

**07 0B IP Control Center 983501**

**Usage of the application program**

Product family:      Communication  
 Product type:        Interfaces  
 Manufacturer:        Siemens AG  
 Name:                 IP Control Center N152  
 Order no.:            5WG1 152-1AB01

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### 1 Introduction

The IP Control Center is a visualization controller. It is a rail-mounting device for installation on DIN top-hat rails. The size is 4 TE.

The IP Control Center can be used for the project planning of fully graphical individual visualizations. These are displayed by an Internet browser.

Up to 250 KNX Objects and an additional 1000 group addresses can be visualized with the IP Control Center. ETS is used for the configuration of the group addresses and for the programming.

ETS is also used for the following:

- The assignment of the group addresses to the communication objects
- The configuration of the network parameters
- The configuration of the access control of the websites and the web editor
- The setting of the device as a time master (synchronization of the time server via IP) or as a time slave (synchronization of KNX telegrams)
- The configuration of a read requirement of the 250 KNX object values following restart/bus reset

A web editor is installed on the device for free design of the websites. The web editor is opened by an Internet browser. The editor can be used to display graphics and images in various web formats such as JIP, JPG, GIF, etc. Drag & Drop is used to connect the programmed group addresses with display and control elements. A library containing display and control elements of the following categories is provided:

- General switching
- Other switching
- Light switching
- General status
- Venetian blinds / slats
- HVAC
- Scenes
- Expanded control elements
- Audio/Video
- Navigation elements

These display and control elements are offered in various designs (styles):

- Black magic
- Blue gray
- Blue transparent

- Creme frame
- Creme ocher
- Creme transparent

Powerful central functions are also provided. The configured group addresses can be used in the following application modules:

- Annual timer for 300 time switch schedules with up to 30 time switch commands per time switch schedule
- Scene modules with up to 5000 scenes or events
- Fully graphical logic module with up to 1000 logic functions
- Alarm function with up to 250 various alarms
- E-mail function with up to 20 contacts

These central functions are also configured with the Web Editor.

A Smart Editor is also located on the device. This can be operated very easily and intuitively. The Smart Visualization projects planned with this have a fully structured display and operating philosophy. The Smart Visualization is optimized for mobile browsers, for all Smartphones and for a room control unit.

Three languages can be selected for operating the two editors.

With a special website, firmware can be uploaded by the network to update the IP Control Center to the latest status.

The IP Control Center additionally offers an Interface to KNX installations via data networks using the Internet Protocol (IP). At the same time, this device offers the communication of KNX devices with PCs or other data processing equipment (KNXnet/IP Tunneling).

#### 1.1 System requirements

The IP Control Center requires a browser such as Internet Explorer, Firefox or Safari for its configuration and usage. Adobe Flashplayer, Version 10 or higher, must also be installed on the project planning PC. Adobe Flashplayer is the basic requirement for editing a project. The IP Control Center can be directly connected by a network cable to a PC or Laptop for the initial start-up. It can also be configured by a remote Client PC in the network.

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**Note**

All that you need to display the visualization is a web browser for the display of HTML pages. No Flash Plug-in is required.

**Web browser**

An Internet browser is required to display the Web Editor, the Smart Editor and the visualization pages. The following browsers have been tested successfully up to now:

**Note**

The usage of other web browsers or versions can lead to errors in the operation and display of the websites and the function is not guaranteed.

Operating System	Version	Web Browser	Version
Win XP	Service Pack 3	Firefox	18.0.2
Win XP	Service Pack 3	Google Chrome	24.0.1312.57 m
Win XP	Service Pack 3	Safari	05.01.2007
Win XP	Service Pack 3	Opera	Nov 64
Win 7 Ultimate	Service Pack 1	IE 9	9.0.8112
Win 7 Ultimate	Service Pack 1	Firefox	18.0.2
Win 7 Ultimate	Service Pack 1	Google Chrome	24.0.1312.57 m
Win 7 Pro	Service Pack 1	IE 11	from 11.0.9600.16476
Win 7 Pro	Service Pack 1	Firefox	from 26.0
Win 7 Pro	Service Pack 1	Google Chrome	from 32.0.1700.107 m
Win 7 Pro	Service Pack 1	Opera	from 15.0.1147.153
Win 7 Pro	Service Pack 1	Safari	from 5.1.7

Win 8.1		IE 11	from 11.0.9600.16476
Win 8.1		Firefox	from 26.0
Win 8.1		Google Chrome	from 32.0.1700.107 m
Mac OS X	10.06.2008	Firefox	17.0.1
Mac OS X	10.06.2008	Google Chrome	24.0.1312.56
Mac OS X	10.06.2008	Safari	05.01.2007
Mac OS X	10.07.2004	Firefox	18.0.2
Mac OS X	10.07.2004	Google Chrome	24.0.1312.57
Mac OS X	10.06.2008	Safari	6.0

iOS (iPhone)	6.0.1	Safari	
iOS (iPhone)	7.0.4	Safari	
iOS (iPhone)	7.0.4	Safari desktop app	
iOS (iPhone)	7.0.4	Google Chrome	from 32.0.1700.20
iOS (iPhone)	7.0.4	Mercury Browser	8.3
iOS (iPhone)	7.0.4	Maxthon Browser	4.5.1
iOS (iPad)	06. Jan	Safari	
iOS (iPad)	7.0.4	Safari	
iOS (iPad)	7.0.4	Safari desktop app	
Android	4.1.2 to 4.4.2	Android Browser	
(Samsung Galaxy S2-S4,	4.1.2 to 4.4.2	Boat Browser	7.2
Samsung Galaxy Note,	4.1.2 to 4.4.2	Dolphin Browser	from 10.2.4
THL W300)	4.1.2 to 4.4.2	Google Chrome	from 32.0.1700.99
	4.1.2 to 4.4.2	Maxthon Browser	4.1.7.2000
	4.1.2 to 4.4.2	Next Browser	1.16



**07 0B IP Control Center 983501****1.2 Usage of umlauts or special characters**

Depending on the country-specific system settings, various unicodes are used for the display of characters. Web applications sometimes use unicodes which do not correctly display umlauts (ä, ö, ü). We therefore recommend that umlauts and other special characters be avoided.

**2 IP Control Center features**

Along with the standard functions and status display, the IP Control Center includes highly complex functions such as scenes and events, annual time schedules, graphic visualization and logic functions for the planning and implementation of KNX projects. Based on Adobe Flash, you can use very simple and elegant elements and functions to achieve the visualization of a KNX system in a very short time. A further advantage is its independence from the operating system used. The IP Control Center is configured by standard browsers in combination with Adobe Flashplayer.

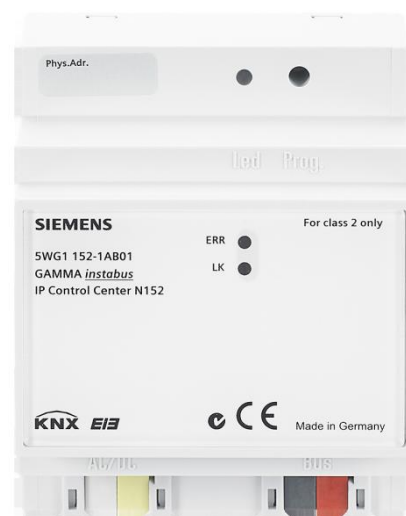
**Note**

All of the functions displayed and described in the following are provided in their full scope starting with Firmware version 2.0.0.

**3 Commissioning****3.1 Scope of supply and commissioning**

The scope of supply of the IP Control Center includes:

- IP Control Center with pre-installed software
- Operating and installation manual



The following is located from left to right on the bottom of the REG housing:

- 24 V DC supply voltage,
- KNX bus terminal
- RJ45 socket for Ethernet.

The factory settings of the IP Control Center

- IP address assignment: manual IP:
- IP Address: 192.168.1.133
- Physical address: 15.15.255
- User password:
- Editor password: Siemens

A KNX project created with the ETS programming software is needed for the initial commissioning. The IP Control Center can then be connected to the network. A web browser of your choice is used for access.

**3.2 Error LED**

The Error LED displays the following errors:

- KNX connection interrupted
- ETS Application not loaded
- E-mail could not be sent
- Internal error

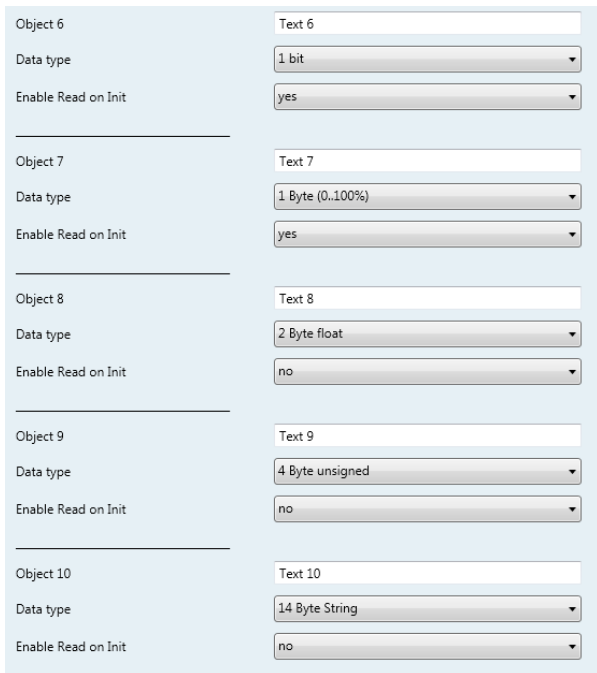
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**4 Quick access**

Please connect the device to a separate 24 V DC voltage source, to the KNX bus and to an IP network. Start the ETS, select the "07 0B IP Control Center 983501" application program and add the IP Control Center to your project. Then open the parameters page and define the general settings (IP address) , password protection, date and time.

Various methods exist for the later visualization of the KNX data points:

1. You can use the ETS to directly configure up to 250 communication objects. You can use them later in the visualization.



This method includes two approaches:

*Option A:*

Do not enter **any object names**, since these can later be entered automatically by an ESF import. An OPC export is first executed with the ETS. This method is easier and faster if you would like to provide plausible descriptions for the group addresses in the ETS. You do not need to adhere to any rules when assigning group addresses, but can rather simply link the desired group addresses.

*Option B:*

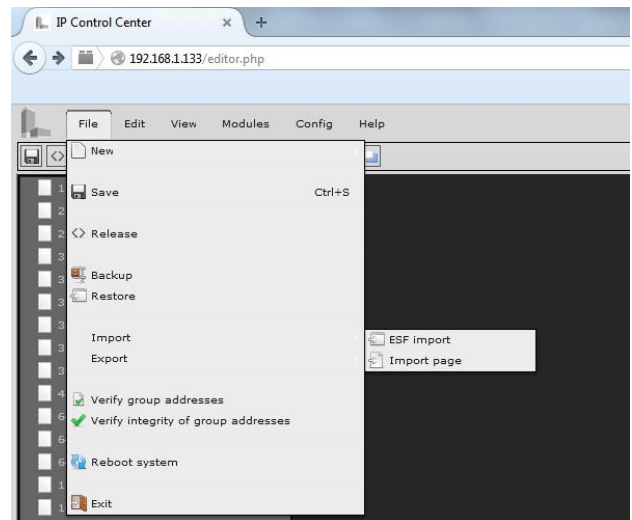
Enter an object name on the parameter page, e.g., "Object 6", which will also be displayed to you later in the visualization editors. You must note this specification, however, when assigning the group addresses. This method is therefore somewhat more time-consuming. Now load the device (application program) with the ETS. You can then use a browser to open the Web Editor or Smart Editor:

Calling the Web Editor with the Link via the standard IP address...(See section 6.2).



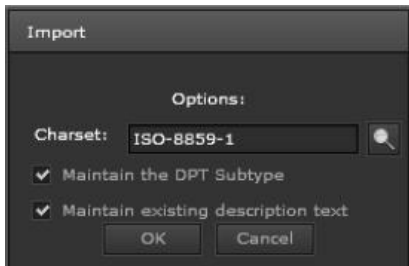
The password, if you have not changed it with the ETS, is **Siemens**.

Select the menu item File → import, ESF import, to now apply the object name from the ETS in accordance with Option A:



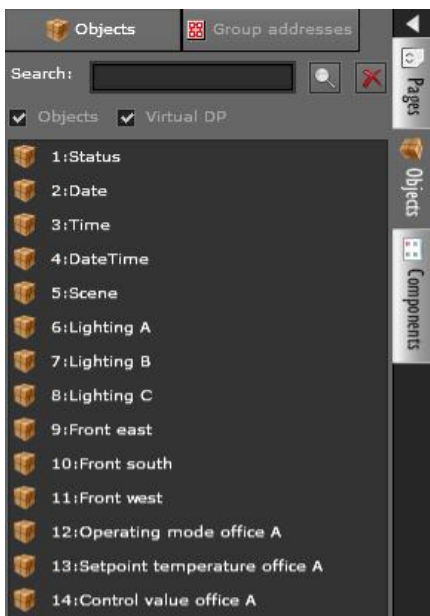
The corresponding character set can be selected if special characters such as Greek or Chinese were used in the ETS.

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The default character set ISO-8859-1 can be adopted if no special character set was used.

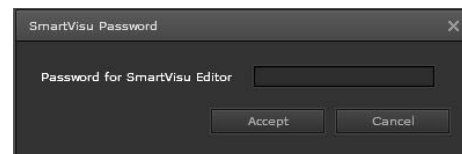
In conclusion, the communication objects are presented in the tree structure typically used in the ETS. The plausible project naming for the objects here was adopted from the group addresses.



Calling the Smart Editor with the Link via the standard IP address...(see section 10).



The Smart Editor's password is also configured in the ETS. It is identical to that of the WEB Editor. The password for the Smart Visualization, which is used by the final user for display and operation, is set in the WEB Editor under menu item Config → SmartVisu Password. No password is entered by default.



If the ESF file in the WEB Editor has already been imported, then the object names from the group addresses of the ETS are provided in the same manner in the Smart Editor in accordance with Option A.

Configuration of the objects within the ETS is not mandatory. This method is typically used when all 1250 objects are required in a full project version.

This is a very fast method:

1. You can integrate up to 1000 additional group addresses directly in the visualization.

An OPC Export from the ETS is executed for this. In this process, all of the group addresses already linked in the ETS project are saved in an ESF file (also refer to Option A of the first method). This ESF file, with the up to 1000 additional group addresses, is imported in the Web Editor.

The group addresses are available in the same way in the Smart Editor as soon as the ESF file has been read.

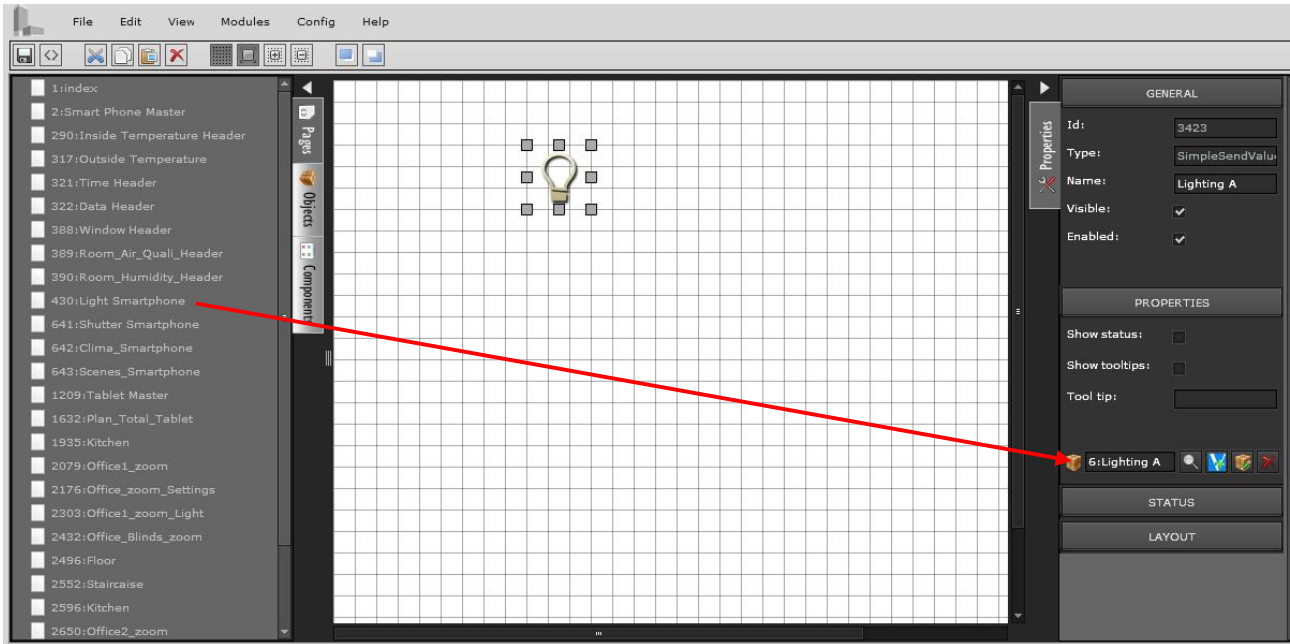
#### Note

The Web Editor and the Smart Editor cannot both be opened at the same time.

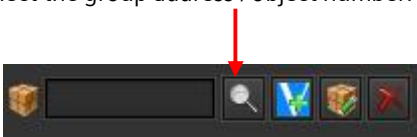
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The objects and group addresses displayed in a tree structure on the left-hand side can now be assigned to their respective display and control elements using Drag & Drop. The keyboard can also be used to directly enter the group address and/or object number into the "Properties" field or the "Search" function can be used to select the group address / object number.




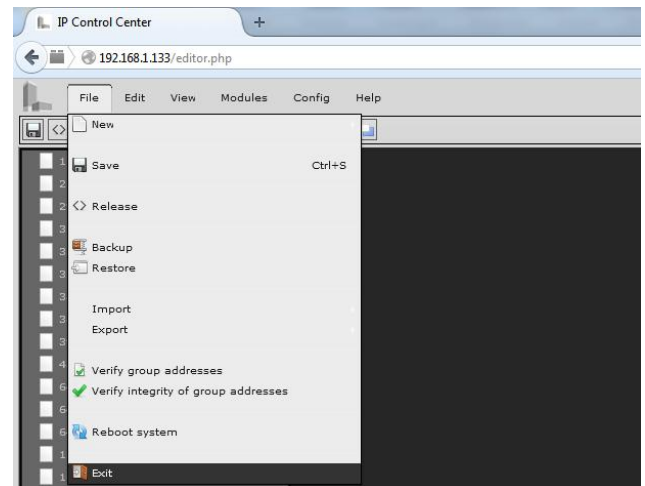
Now create the corresponding websites to create a visualization.

**Note**

The visualization always begins with the **Index** page! This will always be the starting point for the visualization.

In order to generate the index page or all of the other pages to make them available in the browser, you must select the menu item File → <> Release and select all of the HTML pages which need to be generated.

The menu item can also be directly accessed by  in the menu bar.



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The visualization is then available on every browser when it is called up.



## 5 ETS Configuration

This section provides an overview of the available communication objects and parameters.

Maximum number of group addresses: 255  
Maximum number of assignments: 510

ETS can be used to assign the specific parameters and addresses and to transmit them to the bus device. The firmware is installed on the device at the factory and can be updated to the latest version by the network using a firmware upload.

The Engineering Tool Software (ETS), Version ETS3.0f or higher, is required to install the application program.

### 5.1 Parameter

General settings:

Device name (max. 30 char) (do not use blanks!)	IP_Control_Center
IP address assignment	manual input
Startdelay for ReadOnInit	10 seconds
Delay between ReadRequests	200 milliseconds
Webserver Port	80
Password for Website Visualization	
Password for Editor Site	Siemens

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Parameters	Settings
Device name (max. 30 characters)	IP_Control_Center
The device name can be defined here.	
Assignment of the IP address	<b>manual input</b> via DHCP Server
The IP address is either entered manually or can be defined automatically by DHCP.	
Start the query after bus reset in	<b>10 seconds</b> 20 seconds 30 seconds 1 minute 2 minutes 3 minutes 4 minutes 5 minutes
The time delay with which the status object query begins after bus reset can be set here.	
Delay between queries	<b>200 Milliseconds</b> 500 Milliseconds 1 second 2 seconds
The time offset of the individual "value read" queries can be set here.	
Webserver Port	80 (0...65535)
The port number of the installed web server can be defined here. Port number 80 is set by default.	
Password for website visualization	
The password for the Web and the Smart Visualization is defined here. No default password is defined. Up to 8 characters can be entered (0-9, A-Z). Capital and small letters are not differentiated.	
Password for Editor page	Siemens
The password for the web editor is defined here. The default password is defined as "Siemens". This can be changed here. Up to 8 characters can be entered (0-9, A-Z). Capital and small letters are not differentiated.	

**Network Settings:**

IP address (byte 1)	192	↕
IP address (byte 2)	168	↕
IP address (byte 3)	1	↕
IP address (byte 4)	133	↕
<hr/>		
Subnet mask (byte 1)	255	↕
Subnet mask (byte 2)	255	↕
Subnet mask (byte 3)	255	↕
Subnet mask (byte 4)	0	↕
<hr/>		
Gateway address (byte 1)	192	↕
Gateway address (byte 2)	168	↕
Gateway address (byte 3)	1	↕
Gateway address (byte 4)	1	↕
<hr/>		
DNS-Server address (byte 1)	192	↕
DNS-Server address (byte 2)	168	↕
DNS-Server address (byte 3)	1	↕
DNS-Server address (byte 4)	1	↕

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Parameters	Settings
IP Address (byte 1)	192 (0...255)
IP Address (byte 2)	168 (0...255)
IP Address (byte 3)	1 (0...255)
IP Address (byte 4)	133 (0...255)
The standard IP address of the IP Control Center is specified here. If a DHCP mode is set, then this address will be permanently written over by an address assigned by the DHCP server. The IP address 0.0.0.0 is invalid and only meaningful when the DHCP server is active. This parameter is not displayed in the "Assignment of the IP Address" to "via DHCP server" setting.	
Subnet template (byte 1)	255 (0...255)
Subnet mask (byte 2)	255 (0...255)
Subnet mask (byte 3)	255 (0...255)
Subnet mask (byte 4)	0 (0...255)
The standard IP subnet mask of the IP Control Center is specified here. If a DHCP mode is set, then this mask will be permanently written over by the address assigned by the DHCP server. If the device is configured without a DHCP server (Permanent IP address setting), then the device must have the suitable subnet mask in order to function. This parameter is not displayed in the "Assignment of the IP Address" to "via DHCP server" setting.	
Gateway address (byte 1)	192 (0...255)
Gateway address (byte 2)	168 (0...255)
Gateway address (byte 3)	1 (0...255)
Gateway address (byte 4)	1 (0...255)

The standard gateway is used to send telegrams addressed to a computer outside of the local network. If a DHCP mode is set, then this address is always permanently written over by the DHCP server. If the DHCP server itself does not transmit an address for a gateway, it will be assumed that no gateway should be used. If the device is to be configured without Standard Gateway, then the specified (invalid) address must be used (0.0.0.0). This parameter is not displayed in the "Assignment of the IP Address" to "via DHCP server" setting.

DNS Server Address (byte 1)	DNS Server Address (byte 1)
DNS Server Address (byte 2)	DNS Server Address (byte 2)
DNS Server Address (byte 3)	DNS Server Address (byte 3)
DNS Server Address (byte 4)	DNS Server Address (byte 4)

The IP Subnet mask of the DNS server is specified here. If a DHCP mode is set, then this mask will be permanently written over by the address assigned by the DHCP server. If the device is configured with the DHCP server (permanent IP address setting), then the device must have a DNS server address to enable the name resolution, e.g. to reach a time server.

The Standard Gateway is usually also a DNS server. This parameter is not displayed in the "Assignment of the IP Address" to "via DHCP server" setting.

## Setting the clock:

Time Zone	(GMT+01:00) Berlin, Paris, Rome, Mid. Europe
Daylight Setting enabled	yes
Clock Mode for synchronisation	Master (N152 --> KNX)
Select the Time/Date Object Type	Date and Time Object (DPT10, DPT11)
Time Server 1 (SNTP)	ptbtime1.ptb.de
Time Server 2 (SNTP)	
Sending rate for time/date information	1 hour
Refresh Time for NTP Server	12 hours



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Parameters	Settings
Time zone	(GMT-11:00) Midway Island, Samoa (GMT-10:00) Hawaii (GMT-09:00) Alaska (GMT-08:00) Pacific Time (GMT-07:00) Arizona (GMT-07:00) Chihuahua, La Paz (GMT-07:00) Mountain Time (GMT-06:00) Central Time (GMT-06:00) Central America (GMT-06:00) Guadalajara, Mexico City (GMT-06:00) Saskatchewan (GMT-05:00) Eastern Time (GMT-05:00) Indiana (East) (GMT-05:00) Bogota, Lima, Quito (GMT-04:00) Atlantic Time (Canada) (GMT-04:00) Santiago (GMT-04:00) Cuiaba – Brazil (GMT-04:00) Caracas, La Paz (GMT-03:30) Newfoundland (GMT-03:00) Brazil (GMT-03:00) Montevideo (GMT-03:00) Cayenne, Fortaleza (GMT-03:00) Buenos Aires (GMT-02:00) Mid-Atlantic (GMT-01:00) Azores, Cape Verde Is. (GMT) Casablanca, Monrovia (GMT) Dublin, Edinburgh, Lisbon (GMT) Monrovia, Reykjavík (GMT) Brussels, Copenhagen <b>(GMT+01:00) Berlin, Paris, Rome</b> (GMT+01:00) Sarajevo, Skopje (GMT+01:00) Belgrade, Bratislava (GMT+02:00) Minsk (GMT+02:00) Cairo (GMT+02:00) Helsinki, Riga, Tallinn (GMT+02:00) Jerusalem (GMT+02:00) Amman (GMT+02:00) Beirut (GMT+02:00) Damascus (GMT+02:00) Harare, Pretorio (GMT+02:00) Athens, Bucharest (GMT+03:00) Baghdad, Kuwait (GMT+03:00) Nairobi (GMT+03:00) Moscow, St. Petersburg (GMT+03:00) Tehran (GMT+04:00) Abu Dhabi, Muscat (GMT+04:00) Yerevan (GMT+04:00) Baku (GMT+04:00) Tbilisi (GMT+04:30) Kabul (GMT+05:00) Yekaterinburg

	(GMT+05:00) Islamabad, Karachi (GMT+05:30) Bombay, Calcutta (GMT+06:00) Almaty Dhaka (GMT+06:00) Astana (GMT+07:00) Bangkok, Hanoi (GMT+08:00) Beijing, Chongqing (GMT+08:00) Perth (GMT+08:00) Kuala Lumpur (GMT+09:00) Osaka, Sapporo, Tokyo (GMT+09:00) Yakutsk (GMT+09:00) Seoul (GMT+09:30) Adelaide (GMT+09:30) Darwin (GMT+10:00) Brisbane (GMT+10:00) Canberra, Melbourne (GMT+10:00) Hobart (GMT+10:00) Vladivostok (GMT+11:00) Magadan, Solomon Is. (GMT+12:00) Auckland, Wellington (GMT+12:00) Fiji, Kamchatka
These parameters are used to set the corresponding time zone for the user's location.	
Daylight saving / Standard time conversion active	no <b>yes</b>
The "yes" setting activates the automatic conversion from daylight savings time to standard time. The "no" setting deactivates this conversion.	
Clock synchronization	Master (N152 -> KNX) <b>Slave (KNX -&gt; N152)</b>
The following options are provided for the synchronization: Synchronization by the device (Master Mode). The time can be synchronized in this mode by a timer server via IP. Synchronization by KNX (Slave Mode). The internal clock is synchronized in this mode by telegrams from the KNX.	
Selection of the date/time object	<b>Date and time object (DPT 10, DPT 11)</b> Date/time Object (DPT 19.001) both types
The time and date information can be sent by 2 different data types, each being a date and time object (DPT 10, DPT 11). Or the date and time information can be sent by a combined object (DPT 19). All three data times are created when "both types" are selected.	
Time server 1 (SNTP)	ptbtime1.ptb.de



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Time server 2 (SNTP)	
<p>A time server (SNTP) can be queried at regular intervals to synchronize the real time clock . Two time servers can be configured for this.                  This parameter is not displayed in the setting "Synchronization of the clock" to "Slave (KNX -&gt; N152)".</p>	
Sending interval of the date/time information	1 minutes 2 minutes 5 minutes 10 minutes 30 minutes <b>1 hour</b> 2 hours 4 hours 8 hours 12 hours 24 hours
<p>The sending interval used to transmit the date and time data to the KNX bus is set here.                  This parameter is not displayed in the setting "Synchronization of the clock" to "Slave (KNX -&gt; N152)".</p>	
Query time for the time server	1 hour 2 hours 4 hours 8 hours <b>12 hours</b> 24 hours
<p>The time interval at which the time server (SNTP) is routinely queried is set here.                  This parameter is not displayed in the setting "Synchronization of the clock" to "Slave (KNX -&gt; N152)".</p>	

Settings of objects 6-10, 11-15, 16-20... 246-250, 251-255:

The screenshot shows a configuration window for objects 6 through 10. Each object has a name field, a data type dropdown, and an 'Enable Read on Init' dropdown. Object 6 is named 'Text 6' and has '1 bit' selected for its data type. Object 7's data type dropdown is open, showing a list of data types including '1 bit', '1 Byte (0..100%)', '1 Byte unsigned', '1 Byte signed', '2 Byte unsigned', '2 Byte signed', '2 Byte float', '4 Byte unsigned', '4 Byte signed', '4 Byte float', and '14 Byte String'. Objects 8, 9, and 10 are all set to 'no object' for their data types and 'no' for their 'Enable Read on Init' settings.

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Parameters	Settings
Object 6	Text 6
<p>This parameter defines the description for the 6th object. It assigns a name to the function connected with this object.                      All of the objects can be configured in this way.  <u>Note:</u> The name can also be imported to the web editor later by an ESF import.</p>	
Data type	1 bit 1-byte (0..100%) 1-byte without sign 1-byte with sign 2-byte without sign 2-byte with sign 2-byte floating point 4 Byte without sign 4 Byte with sign 4 Byte floating point 14 Byte Text <b>No object</b>
<p>This parameter is used to define the data type of communication object 6.                      All of the objects can be configured in this way.</p>	
Activate query at start	no yes
<p>This parameter can be used to define for every object whether a "value read" value query should be sent to the KNX bus when the device is started.</p>	

**Note**

The number and type of available communication objects can vary depending on the parameter settings.

**5.2 Communication objects**

The following communication objects can be selected:

Error status communication object:

Obj	Object name	Function	Type	Flag
1	Device status	Status	4 Bytes	KLÜ
<p>The current service status of the IP Control Center is sent to the bus to implement an automatic device diagnosis running in the background.                      An "unsigned" DPT 4 byte is used for the configuration. This communication object is solely intended for usage as a diagnostic object and may not be used for other tasks. An assigned value (error code) is automatically sent to the KNX bus for every error. This allows for a quick evaluation using the Error Code table. The value 0 is sent to the bus when the error has been corrected.                      0 - no error                      &lt;&gt;0 - error exists</p> <p>Error analysis using masks:</p> <p>Web error: 0x00100000 // Service is not started                      Policy error: 0x00200000 // Service is not started                      FTP error: 0x00400000 // Service is not started                      DNS error: 0x00800000 // DNS is not ok                      SMTP undefined                      User name: 0x01000000 // User input missing                      SMTP undefined                      Password: 0x02000000 // Password input missing                      SMTP incorrect password: 0x04000000 // User or password Not ok                      SMTP interrupted                      Connection: 0x10000000 // Server not accessible                      SMTP Server/Port error: 0x20000000 // Server or Port not ok                      SMTP invalid                      Host name: 0x40000000 // invalid server name                      SMTP error: 0x80000000 // unknown error</p> <p>The status object is restored to 0 if the KNX bus is not connected.</p>				

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Date and time communication objects:

Obj	Object name	Function	Type	Flag
2	Date	Date (DPT 11.001)	3 Bytes	KSA
The current date value is received by the group address for this object. The date is synchronized by telegrams from the KNX bus. This object appears solely in the configuration "Synchronization of the clock" to "Slave (KNX -> N152)" and in the setting "Selection of the date/time object" to "Date/time object (DPT 10, DPT 11)".				
3	Time	Time (DPT 10.001)	3 Bytes	KSA
The current time value is received via the group address for this object. The time is synchronized by telegrams from the KNX bus. This object appears solely in the configuration "Synchronization of the clock" to "Slave (KNX -> N152)" and in the setting "Selection of the date/time object" to "Date/time object (DPT 10, DPT 11)".				
4	Date/Time	Date/Time (DPT 19.001)	8 Bytes	KSA
The current value for the date and time is received by the group address for this combined object. The date and time are synchronized by a telegram from the KNX bus. This object appears solely in the configuration "Synchronization of the clock" to "Slave (KNX -> N152)" and in the setting "Selection of the Date/Time object" to "Date/Time object (DPT 19.001)".				
2	Date	Date (DPT 11.001)	3 Bytes	KLÜ
The current date value is sent to the KNX bus by the group address for this object. The value is queried by the configured time server. This object appears solely in the configuration "Synchronization of the clock" to "Master (N152 -> KNX)" and in the setting "Selection of the Date/Time object" to "Date and time object (DPT 10, DPT 11)" or "both types".				
3	Time	Time (DPT 10.001)	3 Bytes	KLÜ
The current time value is sent to the KNX bus by the group address for this object. The value is queried by the configured time server. This object appears solely in the configuration "Synchronization of the clock" to "Master (N152 -> KNX)" and in the setting "Selection of the Date/Time object" to "Date and time object (DPT 10, DPT 11)" or "both types".				
4	Date/Time	Date/Time (DPT 19.001)	8 Bytes	KLÜ

Obj	Object name	Function	Type	Flag
The current value for date and time is sent to the KNX bus by the group address for this object. The value is queried by the configured time server. This object appears solely in the configuration "Synchronization of the clock" to "Master (N152 -> KNX)" and in the setting "Selection of the Date/Time object" to "Date and time object (DPT 10, DPT 11)" or "both types".				

Communication object: Scene

Obj	Object name	Function	Type	Flag
5	Scene xx	Scene	1-bytes	KSÜ
An 8 bit scene with a configured scene number is sent by the group address for this object. A value ranging from 0...63 is sent to activate a scene ranging from 1...64. This scene is edited in the "Scene control" module, KNX scene 1 to KNX Scene 64.				

Function communication objects: Object 6 – 10 to Object 251 - 255

Obj	Object name	Function	Type	Flag
6... 255	Object 6...255, switching	On / Off	1 bit	KSÜA
The "On" or "Off" switching telegram is sent by the group address for this object.				

Obj	Object name	Function	Type	Flag
6... 255	Object 6...255, Percent	0...100 %	1-bytes	KSÜA
A value (0... 100 %) is sent by the group address for this object.				

Obj	Object name	Function	Type	Flag
6... 255	Object 6...255, 1-byte value	without sign	1-bytes	KSÜA
An unsigned counter value (0...255) is sent by the group address for this object.				

Obj	Object name	Function	Type	Flag
6... 255	Object 6...255, 1-byte value	with sign	1-bytes	KSÜA
A signed counter value (-128...127) is sent by the group address for this object.				

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Obj	Object name	Function	Type	Flag
6...255	Object 6...255, 2-byte value	without sign	2-bytes	KSÜA
An unsigned counter value (0...65535) is sent by the group address for this object.				

Obj	Object name	Function	Type	Flag
6...255	Object 6...255, 2-byte value	with sign	2-bytes	KSÜA
A signed counter value (-32768...32767) is sent by the group address for this object.				

Obj	Object name	Function	Type	Flag
6...255	Object 6...255, 2-byte floating point	Floating point	2-bytes	KSÜA
A floating point value (-671088.0...670760.9) is sent by the group address for this object.				

Obj	Object name	Function	Type	Flag
6...255	Object 6...255, 4 Byte value	without sign	4 Bytes	KSÜA
An unsigned counter value (0...4294967295) is sent by the group address for this object.				

Obj	Object name	Function	Type	Flag
6...255	Object 6...255, 4 Byte value	with sign	4 Bytes	KSÜA
A signed counter value (-2147483648...2147483647) is sent by the group address for this object..				

Obj	Object name	Function	Type	Flag
6...255	Object 6...255, 4 Byte floating point	Floating point	4 Bytes	KSÜA
A 4 Byte floating point value (EIS9) is sent by the group address for this object.				

Obj	Object name	Function	Type	Flag
6...255	Object 6...255, Text message	Text	14 Bytes	KSÜA
A 14 Byte value is sent as a text message by the group address for this object.				

**6 Project planning**

**6.1 Configuration of the IP Control Center**

The network parameters must be set before you can begin the actual configuration process. The corresponding parameters are first set in the ETS application program and then uploaded onto the device. The corresponding settings must also be made on the PC/Laptop to establish the connection to the network.

**6.2 Opening the editor**

The web editor can be separately protected by a password to ensure its secure start-up. The password is assigned in the ETS. The password "Siemens" is entered by default. After input of the IP address preset in the ETS in the web browser.

(e.g. <http://192.168.1.133/editor.php>)

the start screen opens with a virtual keyboard for entering the password. The editor opens if the input is correct.

It is possible to assign a different password in the ETS for opening the configured web pages. By default, no password is entered. The web pages are thus opened without a password request.

**Note**

If the user is to be prevented from accessing the editor in all cases, then two identical passwords must be assigned in the ETS, as a password for the editor screen and as a password for the web visualization. The visualization page always opens in this configuration after the password has been entered.

**Note**

Only alphanumeric characters (A-Z, 0-9) may be entered for the password. Other characters are not accepted.

**Note**

Adobe Flash Player Plug-In (Version 10 or higher) must be installed on your web browser to use the editor. The free download can be accessed at [www.adobe.com](http://www.adobe.com).

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IP Control Center log-on page

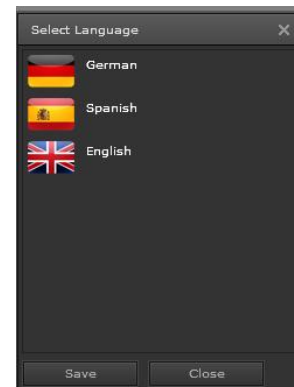
**Note**

The ETS configuration of the application program should be completed before you open the web editor. The web editor will then recognize all of the required communication objects with the assigned data.

The web editor opens the IP Control Center after the editor password is entered.

**Note**

The option exists of externally backing up the configuration data stored in the internal database of the IP Control Center. By default, the project data are **not** stored on the PC/Laptop used for programming.

**6.3 Setting the language**

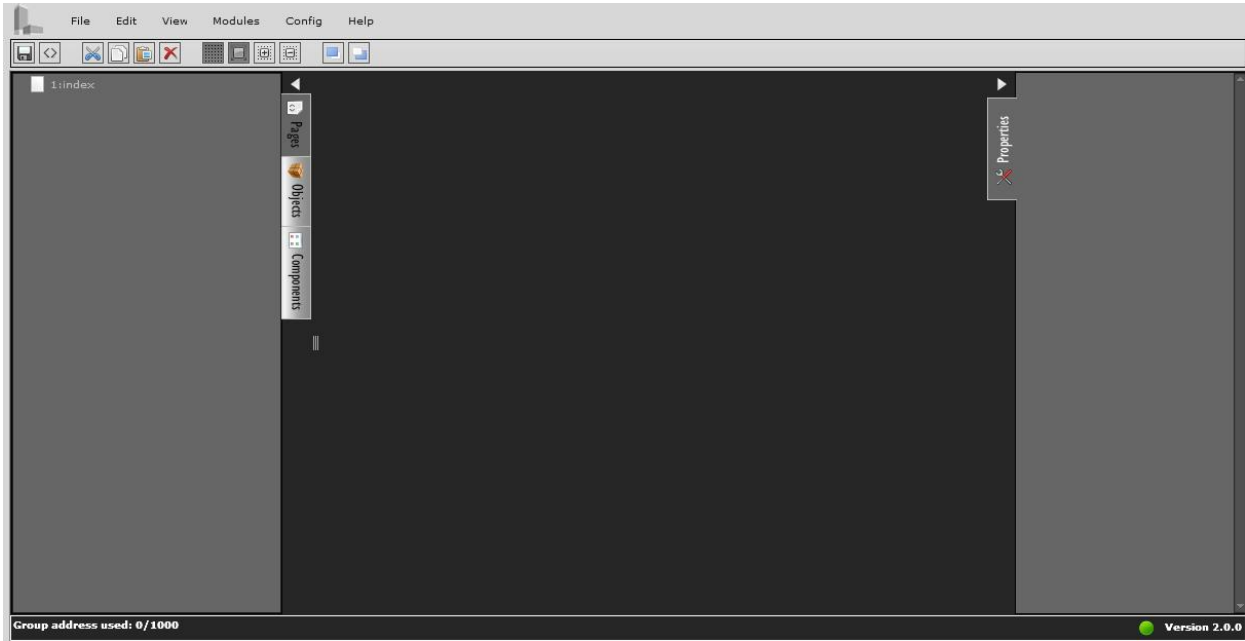
The web editor operating language is set to English in the delivery condition. Please open the selection window in the Menu Config → Select Language. Close the window after selecting the desired language.

The selected language does not become active until the web editor has been restarted. Close the editor for this and log on again via

<http://predefined IP-Address /editor.php>

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6.3.1 Brief description of the menu items



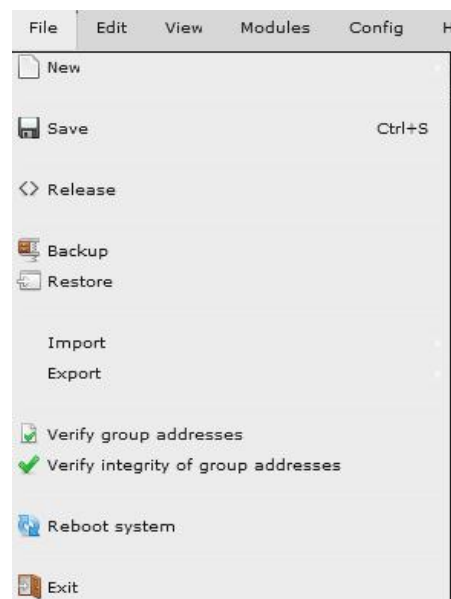
The figure shows the user interface of the IP Control Center web editor. The main menu's title bar is located on the upper edge of the screen. Symbols for the major output functions such as save, delete, copy, cut, etc., are displayed below the main menu. The visualization work area is located in the center of the screen. The functions menu is docked to the left side and the properties menu to the right side.

**Tool bar**



**Main menu functions:**

**The file menu**



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**New:** A new page or a new virtual object is created in the project.

**Save:** Save any changes to the project on the IP Control Center. If the most recent change to the project has already been saved, then it is signaled by the green point in the right-hand corner of the status bar. The red point signals project changes on the work area or in the page properties or display-control elements.

**Note**

If a new project page is created, a new virtual object generated, or a new display-control element placed in the work area, then these changes are immediately saved automatically. The Editor also immediately saves changes in the communication objects and group addresses.

**<> Release:** Creates a visualization in HTML format and saves it in the IP Control Center. The HTML pages to be generated can be selected individually.

**Backup:** The entire project (WEB Editor + Smart Editor) is backed up on the IP Control Center and can then be externally saved on the PC/Laptop.

**Restore:** Restores the complete backed-up project to the IP Control Center. This can cause any possibly existing projects (WEB Editor or Smart Editor) to be written over.

**Import:** ESF Import for reading in all of the group addresses from the ETS. The names used here are also adopted. The ESF file is created in the ETS using the "Export OPC" command. The corresponding character set can be preselected for special characters such as Greek or Chinese. Whether or not preexisting descriptive texts or defined sub-data point types should be overwritten can also be defined.

Since the data length in the ESF Export of the ETS is known, but not the exact data type, the following default setting is made in the Editor.

1 bit → 1bit

1-byte → 1-byte unsigned

2-byte → 2-byte float, SubDPT: DPT\_Value\_Temp

4 byte → 4 byte float

In addition to this, a single, previously exported project page can be imported to the WEB Editor.

**Note**

It is important to configure the ETS application program before importing the ESF file. All of the group addresses should be assigned with a descriptive text. The file will otherwise not be recognized by the web editor.

**Export:** The currently displayed project page can be individually exported and saved on a PC/Laptop.

**Verify group addresses:** The number of group addresses currently used is displayed. A total of 1000 group addresses are available. A message is sent when this number is exceeded.

This display also appears to report the addresses used on the left in the status bar.

**Note**

The group addresses in use are not counted up until the project is saved.

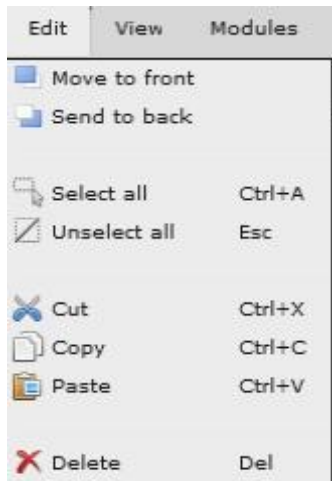
**Verify integrity of group addresses:** This test is used to check whether identical group addresses have different data lengths following a possible repeated ESF import. The new data length is not adopted in this case.

**Reboot system:** The IP Control Center hardware is reset. A booting routine is run. The device is restarted and the log-in window displayed. The project should be saved first.

**Exit:** The web editor is ended. The browser is closed. We recommend using this option before closing the software. The log-in window is used to restart the visualization. The project should be saved first.

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**The edit menu**



**Move to front:** The selected element is placed in the foreground.

**Send to back:** The selected element is placed in the background.

**Select all:** All of the elements on the current page are selected.

**Unselect all:** The selection of all elements of the current page is canceled.

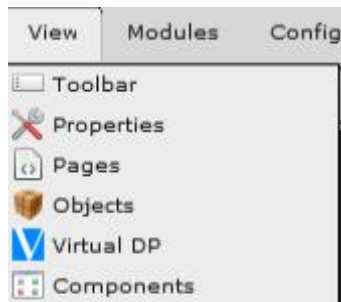
**Cut:** Marked elements are cut and saved on the clipboard.

**Copy:** Marked elements are copied and stored on the clipboard.

**Paste:** The elements are inserted at the current cursor position.

**Delete:** Deletes the selected element.

**The view menu**



**Toolbar:** The upper tool bar is switched to visible/invisible.

**Properties:** Selected elements are accessed directly. Their properties are displayed in a window on the right-hand side next to the work area.

**Pages:** The visualization pages are displayed.

**Objects:** The communication objects are displayed.

**Virtual DP:** The available internal variables (virtual objects) are displayed.

**Components:** The visualization components (operating and display elements) are displayed in the selected style.

**The module menu**



**Scheduler:** The schedule editor opens for the creation of schedules.

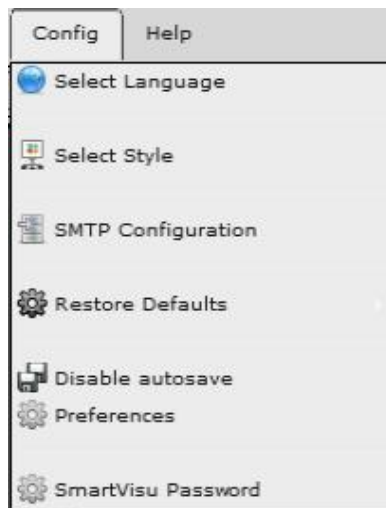
**Logic Control:** The logic editor is opened for the creation of logic plans.

**Scene Control:** The scene editor is opened for setting up scenes and events.

**Alarm Control:** An alarm manager is opened to set up email recipients and to configure alarms.



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**The configuration menu**

**Select Language:** Setting of the user language. German, Spanish or English can be selected. This does not become active until the Web Editor is restarted (refer also to Section 6.3).

**Select Style:** Various icon styles for the control and display elements are stored in the device. The styles are selected here. See Section 13 for more information on this.

**SMTP Configuration:** The settings for your e-mail provider are configured here. See Section 9.4.4 for more information on this.

**Restore Defaults:** The delivery condition can be set in various ways.



**Editor und SmartVisu:** The current projects are deleted here from both the WEB Editor and the Smart Editor. All of the settings made in the WEB Editor and the Smart Editor are reset to the delivery condition.

**Editor:** The current project here is deleted from the WEB Editor. All of the settings in the WEB Editor are reset to the delivery condition.

**SmartVisu:** The current project here is deleted from the Smart Editor. All of the settings in the Smart Editor are reset to the delivery condition.

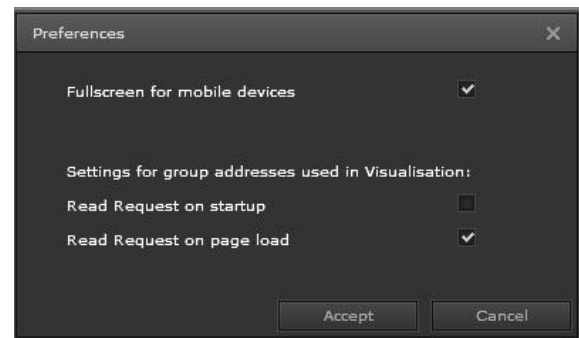
**Disable autosave:** This setting switches the automatic saving (every minute) of the project status to on or off.

If the most recent change to the project was automatically saved, then it is signaled by the green point in the right-hand corner of the status bar. This point is otherwise red.

**Note**

Routine saving of the project is recommended during its creation.

**Preferences:** This menu can be used to make many different settings.



**Fullscreen for mobile devices:** This setting can be used to activate or deactivate the full screen display of mobile devices. Activating the full-screen display causes the visualization pages to be automatically adjusted to the full display size in accordance with its page resolution. Deactivating the full screen display causes the visualization pages to be displayed in accordance with their page resolution. Sometimes only a section is displayed and the rest of the page contents can be seen by zooming.

**Settings for group addresses used in Visualization:** This configuration is used to define the reading behavior of the 1000 additional group addresses. The reading behavior of the 250 possible communication objects is set in the ETS (also refer to Section 5).

**Read Request on startup:**

This setting is not active by default. If this setting is selected, then all of the group addresses in use which are set to "Read" will be read when the device starts up. In this case, the delay times between the read requests are taken from the ETS configuration. No read request is sent to the KNX if a valid value is already available.

**Read Request on page load:** This is the default setting. In order to prevent the extreme case of 1000 group addresses being queried on the KNX bus when the device is started, the option exists of not sending this read request until the corresponding visualization page, to which this group address is linked, is initially opened. It

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also applies here that no read request is sent to the KNX if a valid value is already available.

**SmartVisu Password:** The separate Smart Editor can be assigned its own password here (also see Section 10). No password is entered by default.

**Note**

The Web Editor password is set with an ETS parameter.

**The help menu**



**Visit Website:** The web site for the product database of GAMMA building control is opened. The language setting can be selected to German, English, French, Italian or Spanish.

**OSS licenses:** The software licenses (open source software) used in the IP Control Center are listed.

**System Info:** The "System Info" menu item provides information on the current device's memory utilization, the software version (firmware), the operating time since the last start and the date and time.



**Note**

The firmware version is displayed up to the second digit, e.g. V 2.0, on the sticker of the IP Control Center housing. The complete three-digit firmware version is only displayed in the system information of the web editor. The third digit reflects negligible functional adaptations and possible fault clearances. Please contact our support with any questions in this regard.

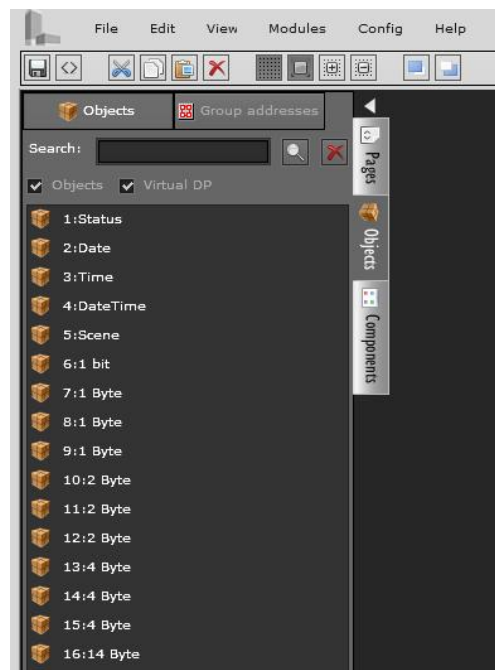
**6.4 KNX Objects and virtual objects**

Two types of objects can be used in the web editor.

- KNX communication objects
- Virtual objects (variables)

Both types of objects can be accessed using the register's object tab.

250 communication objects and 745 virtual objects (variable) are available.

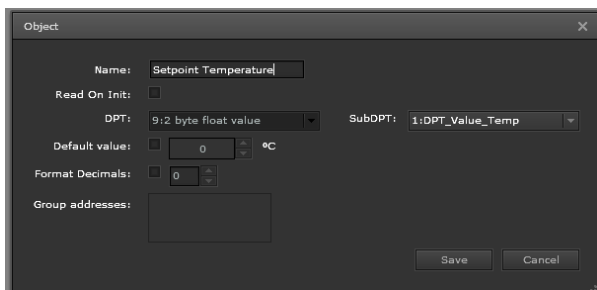


An alphanumerical search text can be entered in the "Search" window to selectively filter out communication objects or virtual objects.

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### 6.4.1 KNX communication objects

The imported communication objects are displayed with parameters stored in the ETS. Placing a checkmark in front of the "Objects" designation adds this to the list. Double-clicking on the respective communication object or clicking with the right mouse button and selecting the "Edit" command opens the configuration window of the communication object:



The properties of the communication object are displayed.

**Name:** the object description created in the ETS can be written.

**Read On Init:** Read requirement (cannot be modified in the Editor) is configured in the ETS.

**DPT:** the data point type defined in ETS, cannot be modified in the Editor.

**SubDPT:** Data point sub-type which can be modified in the Editor for correct display in the visualization.

**Default value:** can be modified in the Editor to work with a predefined value if no valid value exists in the KNX. A check-mark must be placed on the left side for editing.

**Format Decimals:** can be modified in the Editor to define the decimal points to be displayed for analog values. A check-mark must be placed on the left side for editing.

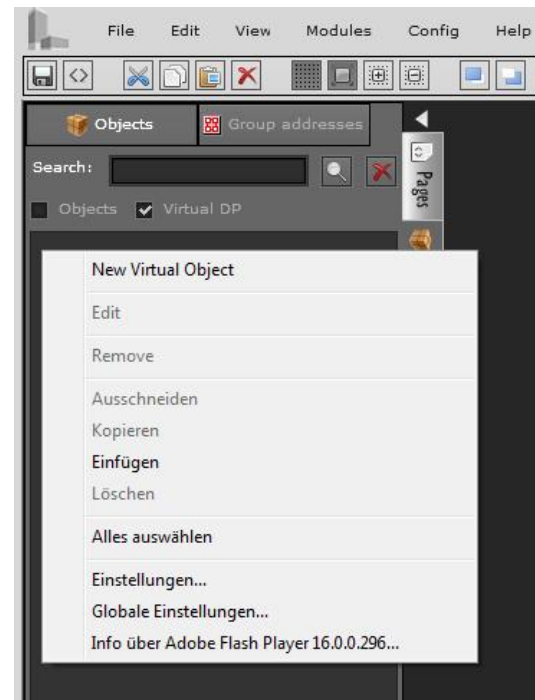
**Group addresses:** the group addresses defined for this object in the ETS; cannot be modified in the Editor.

The object properties must be saved after they are edited.

### 6.4.2 Virtual objects

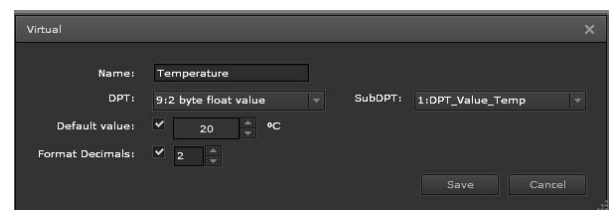
The virtual objects allow data and parameters to be exchanged among the visualization, logic, schedule function, scene control and alarm modules. Placing a checkmark in front of the "Virtual DP" designation adds this to the list.

Click with the right mouse button in the list field of the virtual objects to create a new virtual object.



The following window opens when the "New Virtual object" command is selected:

The following properties can be configured in the now open window:



The properties of the virtual object are displayed.

**Name:** Name of the virtual object. This can be written over.

**DPT:** the data point type can be freely defined,  
**SubDPT:** The data point type can be edited to correctly display values in the visualization,

**Default value:** Standard value default setting before current data is assigned to the object. A check-mark must be placed on the left side for editing.

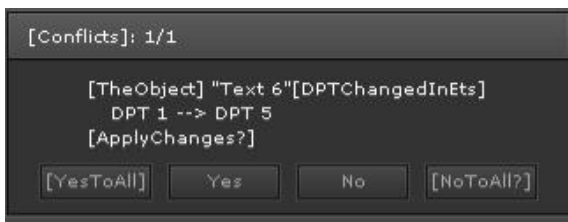
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**Format Decimals:** can be modified in the Editor to define the decimal points to be displayed for analog values. A check-mark must be placed on the left side for editing.

The object properties must be saved after they are edited.

6.4.3 Conflicts due to different data points

The web editor checks the data points assigned by the ETS every time the ETS downloads the application program. The change must be confirmed when differences are found between existing and newly assigned DTPs.

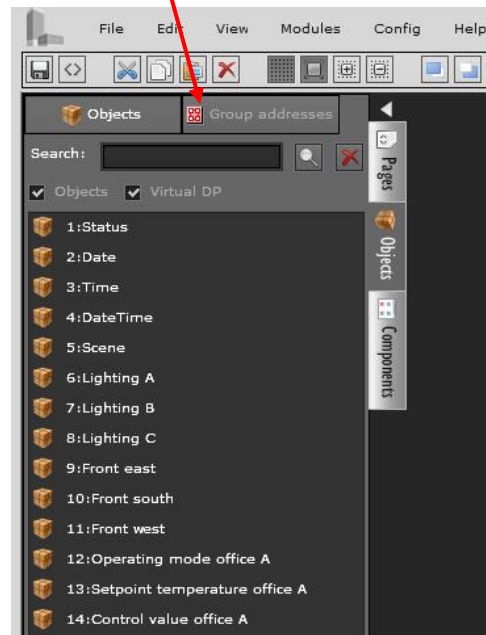


The DTPs are updated in all of the linked objects if the change is confirmed. All of the linked objects are deactivated if the change is rejected.

The procedure is repeated when the web editor is restarted.

6.4.4 Group addresses

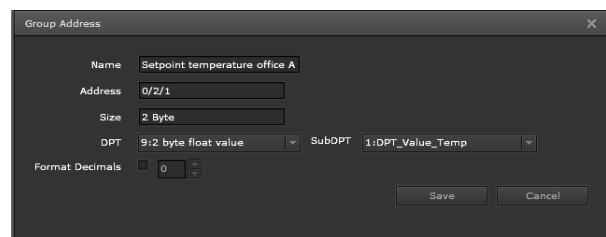
The group addresses are provided after the ESF file has been imported from the ETS. The "Group addresses" are displayed in a tree structure after they are selected.



This tree structure identically reflects the structure of the group addresses from the ETS. Even the naming of the ETS main group, middle group and group addresses is adopted during import. The data point length is defined by the communication object linked with the group address in the ETS.

An alphanumeric search text can be entered in the "Search" window to selectively filter out group addresses.

Double-clicking on the respective group address or clicking with the right mouse button and selecting the "Edit" command opens the configuration window of the group address:



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The properties of the group address are displayed.

**Name:** Name of the group address. This can be written over.

**Address:** the group address defined in ETS. It cannot be modified in the Editor

**Size:** Length of the data point type linked by the ETS. It cannot be modified in the Editor

**DPT:** the data point type can be defined in accordance with the data point length.

**SubDTP:** The data point subtype can be edited to correctly display values in the visualization,

**Format Decimals:** can be modified in the editor to define the decimal places to be displayed for analog values. A check-mark must be placed on the left side for editing.

The address properties must be saved after they are edited.

## 7 Creating a project in the WEB Editor

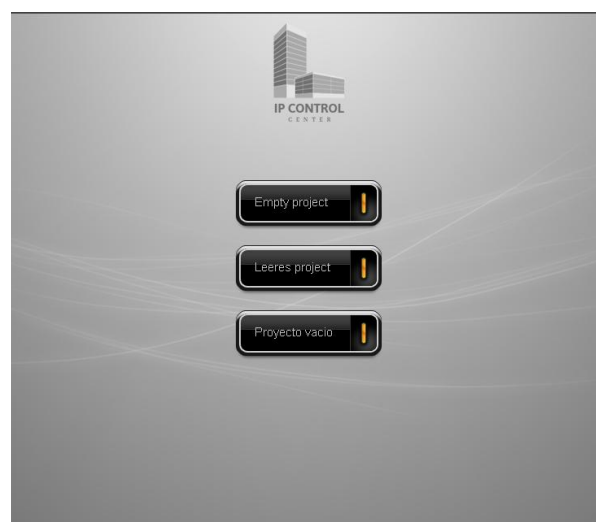
Visualizations with the IP Control Center are always linked to a project. The current project is opened immediately after the web editor is started.

If the most recently edited project is not intended for further use as a template, then the entire project can be deleted. Click on "Restore defaults" in the Config menu for this. Individual configurations or even all of them are deleted in accordance with the selection!

The Siemens sample project is loaded in the Web Editor and the corresponding visualization pages are created in the delivery condition of the IP Control Center.

A visualization always starts with the index page. This is the starting point for initializing the start page of the visualization.

The IP Control Center starts with the following visualization page if no visualization has been generated yet or if the default settings have been restored.



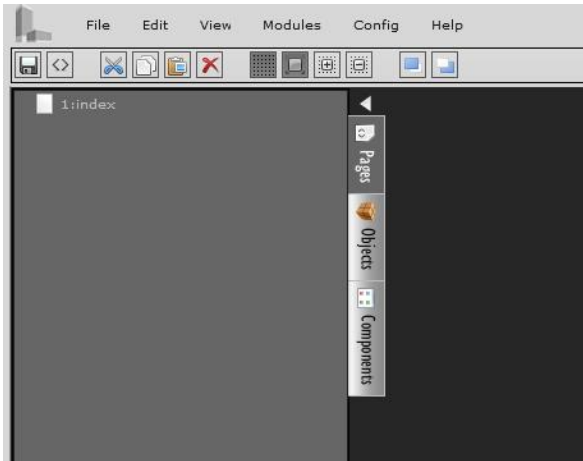
### 7.1 Creating a visualization page

The basis for configuring a visualization is the creation of a visualization page. This page consists of a combination of images and display and control elements.

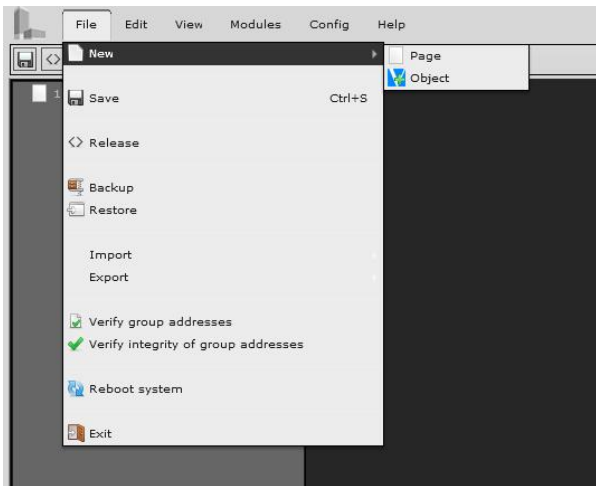
Select the "Page" tab in the left vertical menu to create a new page.

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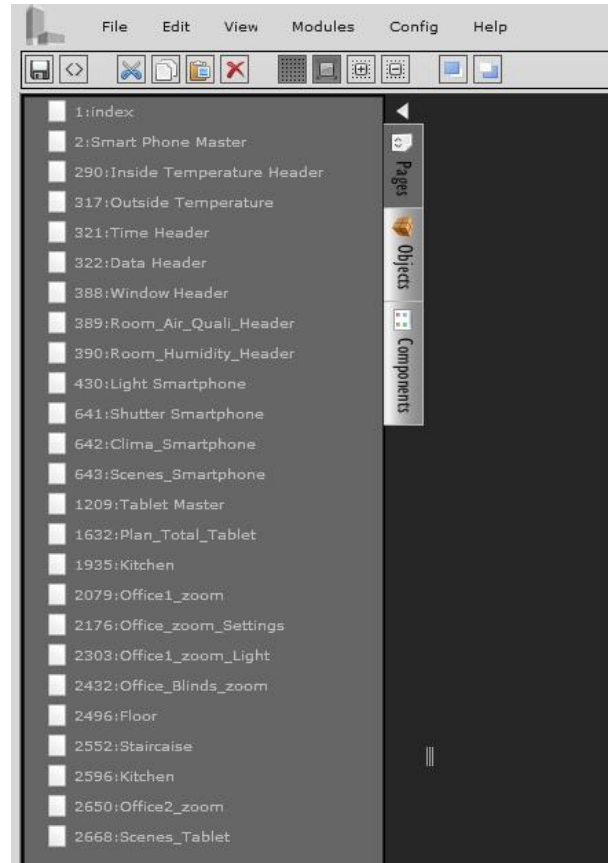
An empty project is displayed as follows:



Right click in the list field of the pages. A new visualization page is created when the "New page" command is selected. The creation of a new visualization page is also possible using the main menu "File" / "New" / "Page".



If a visualization project has already been created, then all of its available pages are displayed in the left list field.



A menu with the page properties is displayed for the selected page on the right side of the editor area.

The following properties window appears after a new page has been created:

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**General settings:**




**ID:** Page ID number  
**Type:** Element property  
**Name:** Page name. The default name is "NewPage". The name can be edited. Any new name assigned should make reference to the project.

**Style:**

The appearance of the visualization page is set here.

**Background:** Selection of the background color

**Back transparent:** visible/invisible

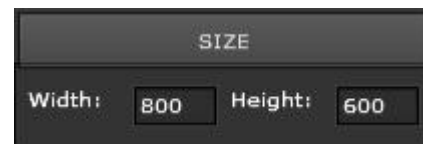
**Image:** Selection of the background image. By clicking the  icon, images are selected and saved in the device. Images saved in the Flash memory can also be deleted. Background images are loaded using the  icon. Background images can be deleted by clicking .

**Scale:** The default resolution setting is automatically assigned to this image.

**X:Y Ratio:** The width/height ratio is retained in the scaling.

**Size:**

The page size is defined in the "Size" menu. The width and height are specified in pixels.

**Note**

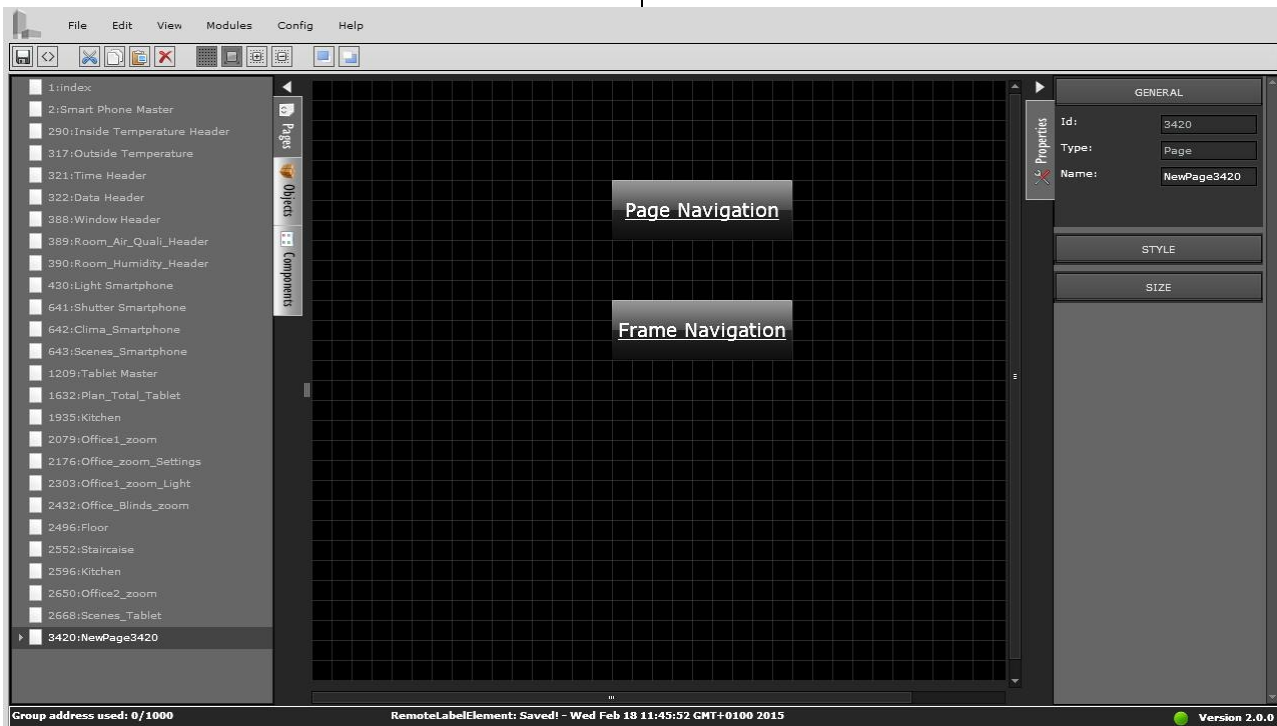
The precise size input of the visualization page is important for this page to fit correctly on the respective terminal device such as a tablet or a smartphone. This should already be noted when configuring the index page and applied accordingly in the same way to all of the additional pages.



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**7.2 The page navigation concept**

Two different navigation concepts are provided for the planning of a visualization project. Before planning the project, a decision should be made as to how other pages will be accessed.



**Variant 1: Page navigation**

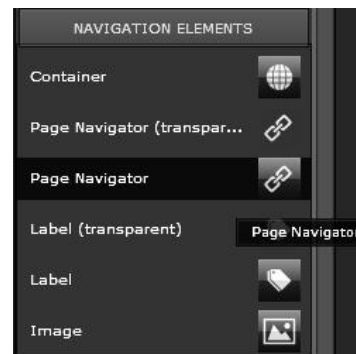
In this variant, the current page is replaced by a different one. This means that the complete page is replaced. All of the pages should be the same size and all contain the navigation buttons. A button for jumping back to the previous visualization page or jumping to the index page should especially be configured.

**Variant 2: Frame navigation**

In this variant, the other pages are opened in a frame (container) of a main page already opened. This means that the main page with the navigation buttons always remains active and the desired pages opened in a frame.

**Variant 1:**

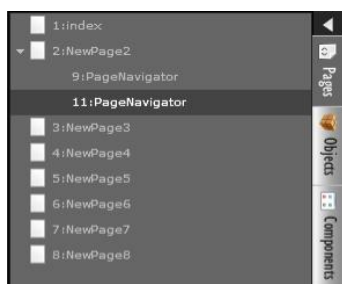
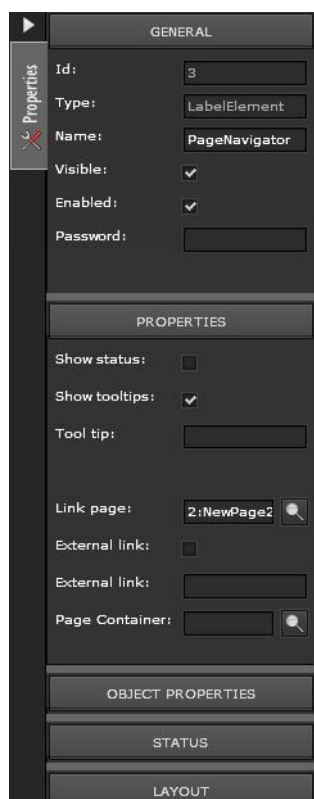
In the page navigation, 2 buttons (page navigator) are faded in on the main page (1: Index) to open other pages. The page navigation is set up with the navigation button "Page navigation" from the "Navigation elements" category.



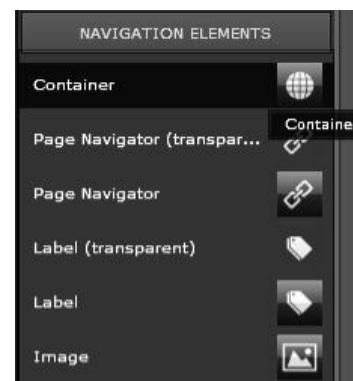


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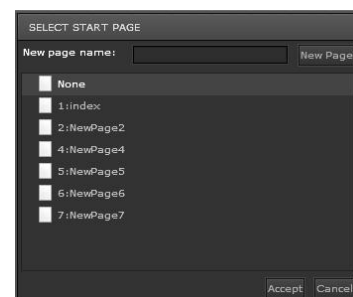
Only the pages to be opened are specified in the settings page, properties window, for these control elements: 2:NewPage2. The entry in the page container remains empty. This means that this page should not be opened in a container but should rather replace the current page.

**Variant 2:**

In the frame navigation, a frame (container) is also set up within the main page in addition to the buttons (Page navigator). The additional pages are displayed later in this container. The frame navigation is additionally set up with the "Container" navigation button from the "Navigation elements" category.

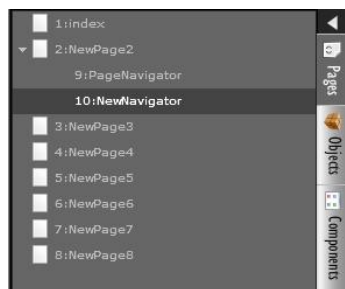
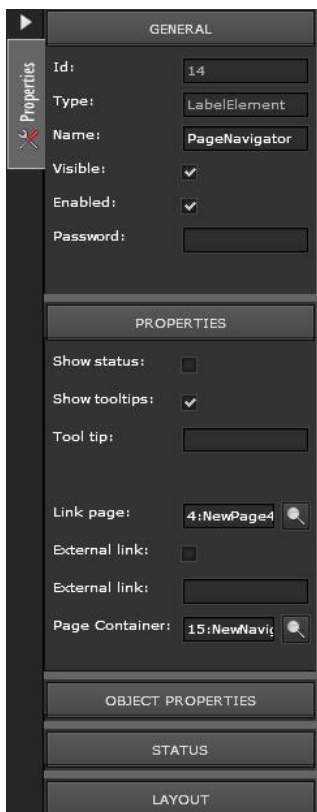


The following window opens if the "Container" element is moved by drag & drop to the work area of the visualization page:



The page to be displayed in the container is selected in this window. If the "none" setting is chosen, the container will not be displayed until the navigation button is pressed.

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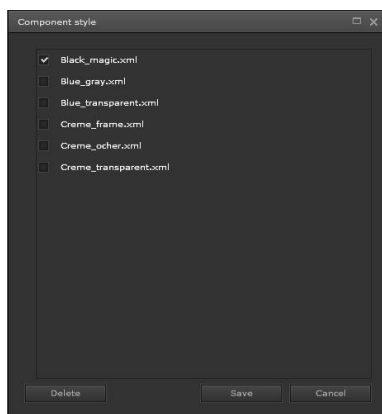
The page to be opened in the container is specified on the settings page for these control elements "Properties" and additionally the entry in the page container. The frame to be displayed is selected in the page container.

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## 8 Display and control elements

### 8.1 Selection of a style

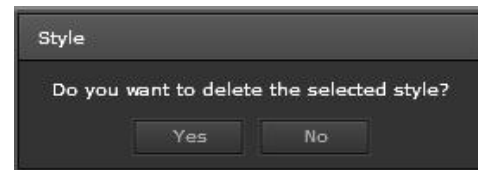
Six different styles can be selected for the configuration of the display and control elements. These are already pre-defined and stored in the IP Control Center upon delivery. The menu item Config → Select Style lists all of the installed styles which can be selected:



- Black magic
- Blue gray
- Blue transparent
- Crème frame
- Crème ocher
- Crème transparent

All of the styles are described in Section 13.

Press the "Delete" button to delete styles from the device. The following message appears:



Please note that the style definition is linked to its corresponding images. This can and must be deleted separately by the IP Control Center to release storage space in the device (refer also to Section 8.3.3).

### 8.2 Control elements in the component list

The IP Control Center offers a series of display and control elements for the configuration of the visualization control functions and for navigation in the visualization.

The selected display and control elements can be moved from the components tab to the work area by drag and drop. The "Components" tab is located in the left, vertical menu at the lowest point.



The various display and control elements are divided into categories based on their functions and properties:

- Switching General
- Switching Miscellaneous
- Switching Light

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- Status General
- Shutter/Blind
- HVAC
- Scenes
- Advanced Elements
- Audio/Video
- Navigation Elements

The properties of the marked element are displayed if the desired display or control element has been placed in the desired position on the visualization page.

The properties of the selected element are edited in the Properties menu to the right of the work area of the visualization page.

Two types of properties can be assigned to the display and control elements.

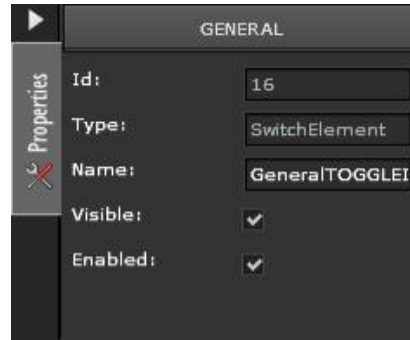
- General properties
- Individual properties

General properties are the same for all of the display and control elements and are described in the following section. The following explanation of the properties which can be edited serves as an example for all of the other display and control elements. The individual properties differ depending on the display and control element and category and are explained in the respective section.

**8.3 General properties**

8.3.1 General

- ID:** Internal ID number  
**Type:** Element property  
**Name:** Name of the control element, corresponds to the function. The name can be edited. Any new name assigned should make reference to the function.  
**Visible:** Display of the element in the visualization  
**Active :** Activation of the switching functions. When deactivated, only the status information is displayed.

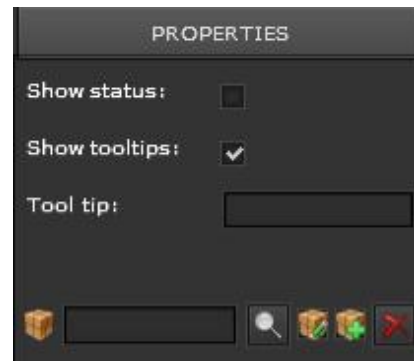


8.3.2 Properties

**Value status:** The current status of the elements is displayed (not for input values and text)


**Show tool tip:** A window with help information opens when it is touched by the mouse.

**Tool tip:** Input field for the tool tip to be displayed.




A process point is assigned to the display and control element in the lower "Search" window.

This can be a KNX communication object, a virtual data point or a group address. The objects and group addresses displayed in a tree structure on the left-hand side can now be directly moved to the "Search field" using Drag & Drop. The keyboard can also be used to directly enter the group address and/or object number into the "Search" field or the "Search" function can be used to select the group address / object number.


The  icon enables the direct selection of an object or a group address from a list containing all of the available communication objects and group addresses.. Up

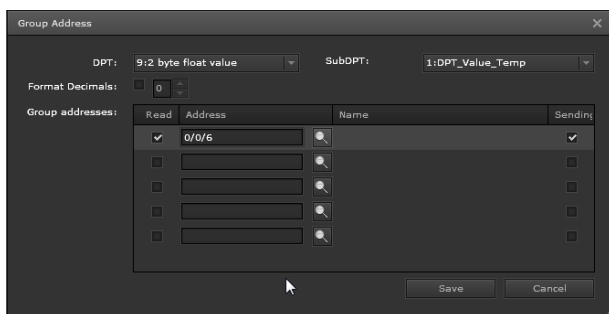
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to 5 group addresses can be assigned to a display and control element.

The  icon is used to add a new, virtual object. The name, data point type, data point subtype and a predefined value can be edited.

The number of decimal places can be defined for floating point values.


The  icon can be used to edit the communication object or the group addresses. The object name can be changed. The data point type can be set for a correct value display. It can be a predefined value. The number of decimal places can be defined for floating point values. (see Section 6.4.1) This dialog appears when one or more (up to five) group addresses are assigned.



The group address to be read upon device start-up or when the page is opened is defined in the first column "Read". One of the up to 5 group addresses can be defined for this. The corresponding group address is set and/or the function displayed in the "Address" and "Name" columns. The group address to be used as a sending address is defined in the last column "Sending". All of the other group addresses are listening.

### Note

The description of the group of addresses and the data point type can also be changed later. In the case of ESF-File Import, an option flag can be used to decide whether this text should be written over by the text from the ETS and/or whether the data point type should be adopted.

The  icon deletes the assigned process point from the display and control element.

### 8.3.3 Status

**Value:** Setting of a predefined object value which is sent or received as a status when activated, depending on the data point type.

**Text in front of the status:** Input of a text to be displayed in front of the status.

**Text following the status:** Input of a text to be displayed following the status.

**Font type:** Selection of the font type, font size and formatting (bold, italic, underlined). All of the font types installed on the computer are available.

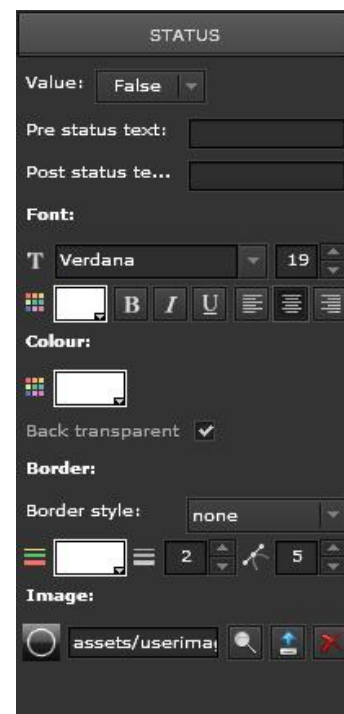
**Text color and formatting:** Selection of the text color, display and arrangement

**Background color:** Selection of the background color

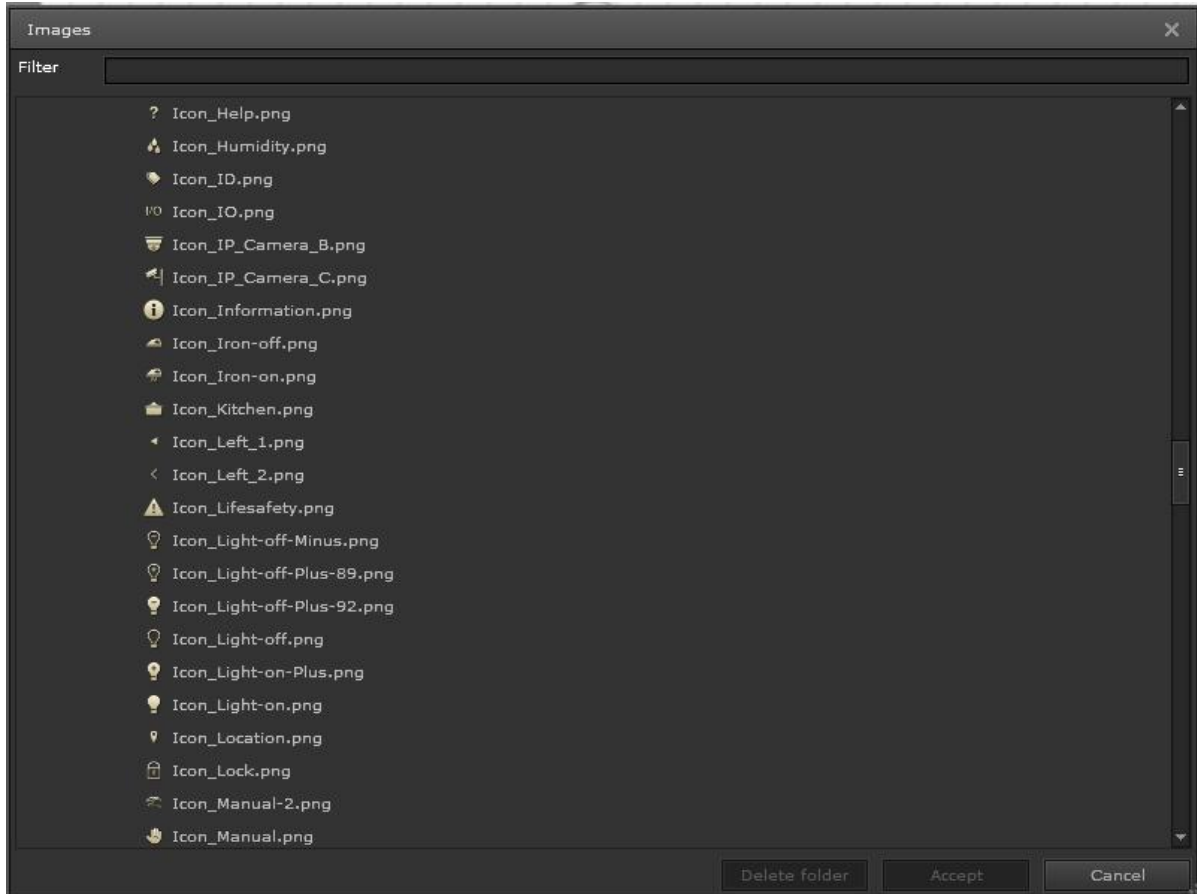
**Transparent:** should the background be displayed or hidden




**Frame:** Selection of a frame, frame type and its formatting features (color, thickness and corner radius)

**Image:** Selection of a background image for the control element for this status.



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The  icon is used to select an image from an existing list. An icon is preset in the selected style here corresponding to the selected display and control element. This dialog can also be used to delete the individual images from the device. The  icon is used to load a new background image. The  icon can be used to delete background images.

**Note**

If an entire style component is deleted in the configuration, then the images assigned to the style must be deleted individually from the IP Control Center directory.

8.3.4 Layout

The size and position of the display and control element are specified here.

**Width:** The width of the element is defined here.

**Height:** The height of the element is defined here.

X: left clearance of the element from the edge of the page

Y: top clearance of the element from the edge of the page

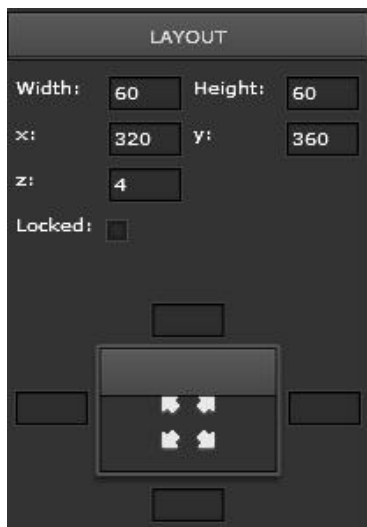
Z: the position of the layer (foreground/background) is displayed here. This field cannot be edited. The menu selections "Edit" and "To the foreground" or "To the background" can be used to move the marked element.

**Locked:** The element is locked and can no longer be moved by the editor.

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Clicking on the center of the field scales the display and control element to the window size. Edge clearances can also be defined.



## 8.4 Standard and basic functions of the display/control elements

### 8.4.1 General switching / Miscellaneous / Light / Status

This category primarily contains elements for inputting values via On/Off telegrams. The icon display is prepared for the selection of the 1-bit DPT data point type. Elements exist, for example, for

Switch ON



Switch OFF



or for TOGGLE



For the "Switch ON" element, the value: "True" (Value = 1) is predefined in the "status" properties. The relevant icon reflecting the ON status is already preset accordingly.

For the "Switch OFF" element, the value: "False" (Value = 0) is predefined in the "status" properties. In accordance

with this, the relevant icon reflecting the OFF status is already preset.

The TOGGLE element requires a status value when it is displayed for the first time so that the inverted value can be transmitted when it is activated. The TOGGLE element can receive the current value directly from the assigned communication object in order to configure it. If this value was not received, the element remains in an undefined status and displays only a question mark as an icon without the current switching position (ON/OFF).

The value: "False" (Value=0) is predefined in the properties for the "first status" and for the "second status", the value "True" (Value = 1) is predefined in the "status" properties. The relevant icons which reflect the OFF or ON status are already preset accordingly.

Elements for the pure status display are also provided. The switching function for these is deactivated in the properties.

### 8.4.2 General status

The most diverse elements for the pure status display are provided in this category. The predominant part of the elements offers icons for displaying the ON or OFF states. The current value of a data point type DPT, typically 1 bit, is displayed, e.g.

Socket outlet status ON



Socket outlet status OFF

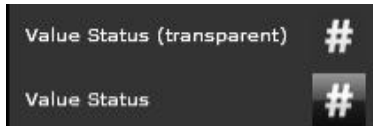


The value: "False" (Value=0) is predefined in the properties for the "first status" and for the "second status", the value "True" (Value = 1) is predefined in the "status" properties. The relevant icons which reflect the OFF or ON status are already preset accordingly.

If this value was not received, the element remains in an undefined status and displays only a question mark as an icon, without the current switching position (ON/OFF). The switching function is deactivated for these properties.

The value is displayed as numbers for the elements Value Status (transparent) and Value Status. No special icons are displayed. These elements are suitable for the display of data point types 1-byte, 2-byte, 4 Byte etc.

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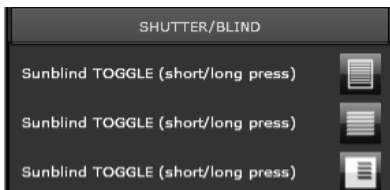


8.4.3 Venetian blinds / slats

This category provides elements for the control, drive or stop commands of roller blinds, venetian blinds, the most diverse curtains, windows, doors, gates, etc. These applications are represented by a wide range of different icons.

A differentiation is made between the various general functions in the control unit:

Venetian blinds / slats – One-button operation



Pressing and holding down one button can move the sunshade up or down (the travel direction changes each time the button is pressed again and held down). This directional change for the travel command is predefined in the properties.

The movement can be ended by tapping the button or the slats opened or closed by one step. Tapping the button stops a downward moving drive and opens the slats step-by-step each time it is tapped again. An upward moving curtain is Stopped by tapping the button and the slats gradually closed each time the button is tapped again.

For example,  
Venetian blinds / slats UP – One-button operation



Pressing and holding down one button can raise the sunshade. The travel command "upwards" is predefined in the properties. The movement can be ended by tapping the button or the slats closed by one step.

For example,  
Venetian blinds / slats DOWN – One-button operation



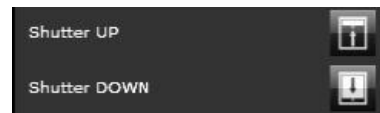
Pressing and holding down one button can lower the sunshade. The travel command "downwards" is predefined in the properties. The movement can be ended by tapping the button or the slats opened by one step.

For example,  
Slats UP  
Slats DOWN



This button can be pressed to open or close the slats. For the Open command, the value: "False" (Value = 0) is predefined in the properties. For the Close command, the value: "True" (Value = 1) is predefined in the properties.

For example,  
Roller blinds UP  
Roller blinds DOWN



This button can be pressed to raise or lower the roller blinds. For the UP command, the value: "False" (Value = 0) is predefined in the properties. For the DOWN command, the value: "True" (Value = 1) is predefined in the properties.

STOP command



This button can be pressed to stop the curtain travel command. For the STOP command the value: "False" (Value = 0) is predefined in the properties.



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## 8.4.3.1 Special properties of the venetian blinds / slats

Two communication objects and additional settings are required to configure the one-button operation in the venetian blind / slat category.

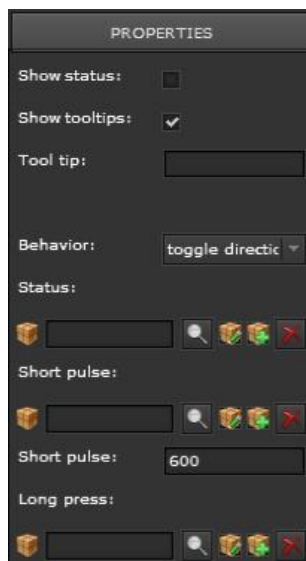
**Behavior:** It is possible to select the respective action of the switching elements (up, down, change).

**Status:** The current position of the communication object for transmitting the status.

**Short pulse:** This object is used to send the telegram for the slat adjustment /stop command when the button is tapped.

**Short pulse:** This time in milliseconds until the signal is interpreted as a longer button hold-down.

**Long press:** This object is used to send the telegram for the Up/Down command when the button is held down.



Only one communication object is required for the configuration of the UP / DOWN / STOP commands in the venetian blind / slat category. Since only one group address is sent here, please ensure that the travel command address is selected. In contrast, the slat control address must be selected for the stop command.

## 8.4.4 HVAC

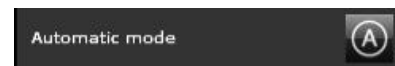
Elements particularly designed for the heating / ventilation / air conditioning maintenance group are offered in this category. The value input is typically the 1 bit DPT data point type, for example.



This button can be pressed to set the manual operating mode.

For the "Manual mode" element, the value: "False" (Value = 0) is predefined in the properties. The relevant icon reflecting the "Manual mode" status is already preset.

For example,



This button can be pressed to set the automatic operating mode.

For the "Automatic mode" element, the value: "True" (Value = 1) is predefined in the properties. The relevant icon reflecting the "Automatic mode" status is already preset accordingly. Elements for the pure status display are also provided. The switching function for these is deactivated in the properties.

For example,



The value: "False" (Value=0) is predefined in the properties for the "first status" and for the "second status", the value "True" (Value = 1) is predefined in the properties. The relevant icons which reflect the cooling or heating status are already preset accordingly.

## 8.4.5 Scenes

The elements offered in this category are suitable for calling up scenes. The most diverse icons are stored for this purpose. The value input is typically the data point type 1 bit DPT. This default setting is used to retrieve or save 1 bit scenes. 8 bit scenes can also be retrieved or saved when the data point type is changed accordingly to 8 bit. The scene number can be set accordingly.

For example,



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The "meeting" scene can be retrieved by pressing this button.

For the "Meeting scene" element, the value: "True" (Value = 1) is predefined, also refer to Section 9.2.1. The relevant icon reflecting the meeting scene is already preset accordingly.

8.4.6 Expanded control elements

Various display and control elements for setting and specifying values are listed in this category.

8.4.6.1 Special stepper properties

The elements such as "Level + / Level -", "Fan level + / Fan level -", "Lighting + / Lighting -", etc., are used for the step-by-step increase or decrease of a value. They are used, for example, for the usage of thermostats, the setting of temperatures or for dimming the lights.

For example,



This button can be tapped to increase or lower a value by one step. Holding down the button in each case increases or lowers the values by correspondingly multiple steps until the maximum or minimum value has been reached. The "upwards" direction is predefined in the properties of the "Level +" element. The "downwards" direction is predefined in the properties of the "Level -" element.

**Behavior:** Selection of the switching behavior ( increase/ lower / toggle).

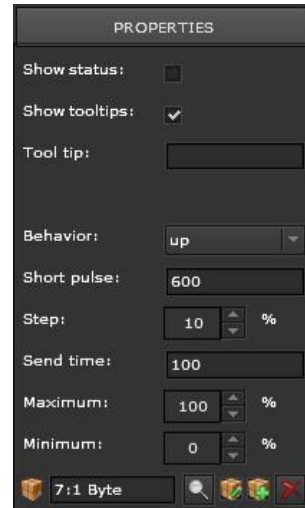
**Short pulse:** This time in milliseconds until the signal is interpreted as a longer button hold-down.

**Step:** Step length for the next value sent to the bus.

**Send time:** This shortest time for evaluating the value sent to the bus.

**Maximum:** The greatest value which can be sent to the bus.

**Minimum:** The lowest value which can be sent to the bus.



8.4.6.2 Special slider properties

The slide controller element can be used for the stepless setting of values such as the setting of dimming values. It works like an input value sending element and therefore requires a constant communication object such as 0 – 100%, 0 – 255 etc. to present a value. Different variants are available for these sliders, in a horizontal or vertical arrangement.



The slider is moved on the user interface to the corresponding point for the value to be sent. This value is displayed within the bar.

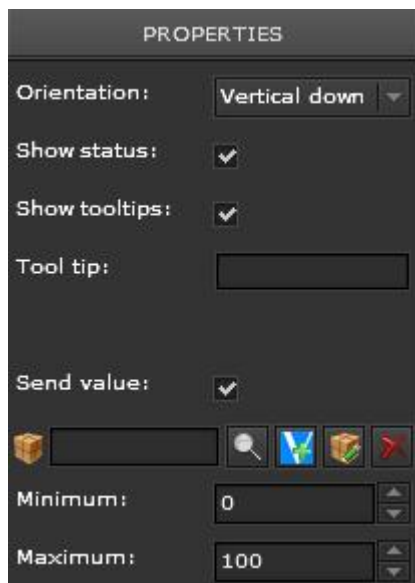
**Orientation:** horizontal or vertical arrangement of the slide control. Whether the minimum top or minimum bottom value should serve as a basis can also be defined for the horizontal arrangement.

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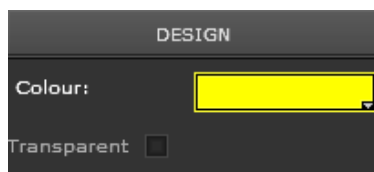
**Show status:** The current value is displayed within the slide control.

**Maximum:** The greatest value which can be sent to the bus.

**Minimum:** The lowest value which can be sent to the bus.



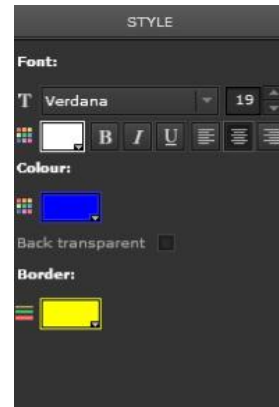
**Color:** Color setting for the bar, which represents the numerical value within the entire slide control. For slider 1 only.



**Font type:** Selection of the font type, font color, font size and formatting (bold, italic, underlined) for the current value display. All of the font types installed on the computer are available.

**Color:** Background color setting for the entire slide control. For slider 1 only

**Frame:** Frame color setting for the entire slide control. For slider 1 only



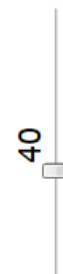
The following visualization views can be used in the project planning:

e.g., Slider 1 horizontal, for setting a dimming value



e.g., Slider 1 vertical, for the setting or display of a curtain position

e.g., Slider 2 horizontal, for setting a dimming value



e.g., Slider 2 vertical, for the setting or display of a curtain position

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**Note**

The "vertical up" selection means that the minimum value starts at the top. This can particularly be used for Venetian blind actuators which are equipped with absolute positioning or a position status.

8.4.6.3 RGB control

This element can be used to set RGB values via group addresses. This makes colored light control possible.



**Red:** Selection of the object or group address for the red color channel (Values 0..100%)

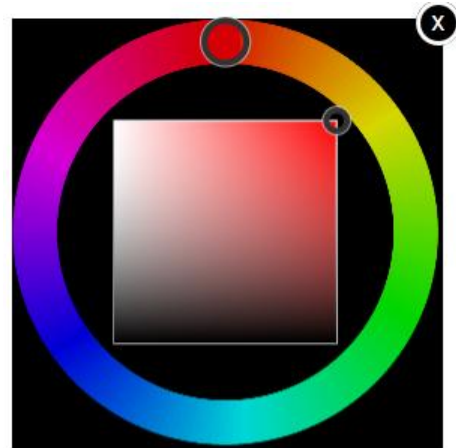
**Green:** Selection of the object or group address for the green color channel (Values 0..100%)

**Blue:** Selection of the object or group address for the blue color channel (Values 0..100%)



The following RGB control element appears in the visualization view when the  icon is clicked on:

The color is selected in the external color wheel. The color intensity and the brightness are set in the inside square.



The saturation is changed in the horizontal direction and the brightness set in the vertical direction.

8.4.6.4 Display of analog values

This element can be used to display and/or graphically display the most diverse analog values. Up to 4 threshold levels can be displayed in various colors within the value range.



**Show number:** This displays intermediate values numerically within the value range.

**Number of ticks:** This is used to set the number of subdivisions and intermediate values within the value range. A maximum of 25 intermediate values are possible.

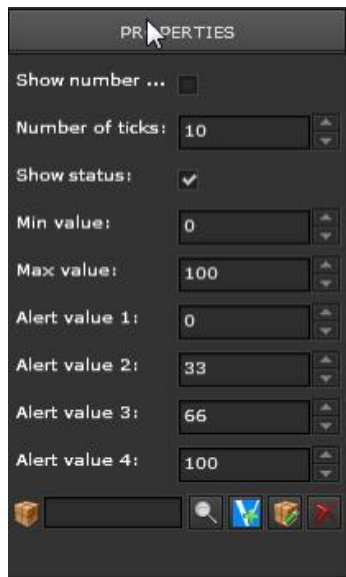
**Show status:** The current analog value is presented as a numerical status when the current analog value is activated.

**Min value:** lower value of the value range being graphically displayed. This value depends on the data point type of the linked object or the group address.

**Max value:** upper value of the value range being graphically displayed. This value depends on the data point type of the linked object or the group address.

**Alert value 1...4:** Up to 4 threshold values can be configured within the set minimum and maximum values. These threshold values thus also depend on the data point type of the linked object or group address. The ranges between these threshold values can be presented using various colors. They can serve as warning or alarm values.

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The style is used to set the colors of the various elements within the analog value display.

**Background colour:** The background color of all of the round elements is defined. The numerical value behind this color setting is used to set the transparency. Values from 0 to 1 are possible. The value 0 means absolute transparency of the background color. The value 1 means no transparency of the background color.

**Indicator color:** The pointer color is defined. The numerical value behind this color setting is used to set the transparency. Values from 0 to 1 are possible. The value 0 means absolute transparency of the pointer color. The value 1 means no transparency of the pointer color.

**Tick:** The color of the subdivisions is defined. These subdivisions result from the configuration of the intermediate values. The numerical value behind this color setting is used to set the transparency. Values from 0 to 1 are possible. The value 0 means absolute transparency of the color. The value 1 means no transparency of the color.

**Alert colour 1...4:** Various colors can be used to display the ranges between the configured threshold values. The threshold 1 color displays the range between threshold 1 and threshold 2. The threshold 2 color displays the range between threshold 2 and threshold 3. The threshold 3 color displays the range between threshold 3 and threshold 4. The numerical values behind these color settings are used to set the transparency. Values from 0 to 1 are possible. The value 0 means

absolute transparency of the color. The value 1 means no transparency of the color.

**Text:** The color of the current analog display value is defined. Any intermediate values which possibly are also set are displayed in this color.

The font type and size of the current analog value can be set.



#### 8.4.6.5 Special matrix element properties

The matrix element can be used to send or display the most diverse values by pressing a button. The display corresponds to a matrix and depends on the number of values to be sent. These values can be configured individually, e.g. within a range of 0 – 255.



The following visualization display results, for example, for a configuration of 5 states with the values 0 – 4:

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State 1: Value 0  
 State 2: Value 1  
 State 3: Value 2  
 State 4: Value 3  
 State 5: Value 4

0	1	2
3	4	

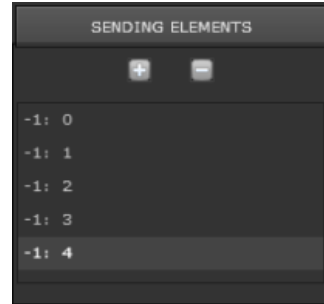
The properties are first defined for this and an object linked with the element.



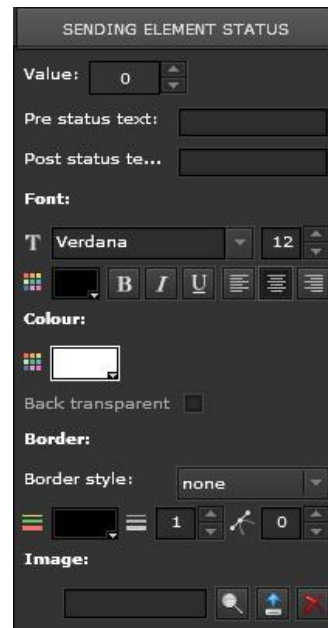
The "no status" parameter can be used to define which state should be displayed if the KNX status is unknown or does not agree with the definition.



The **+** and **-** buttons in the "expanded object properties" field are used to configure the statuses. The **+/-** buttons can be used to create or delete the individual statuses for the expanded object properties.



The status to be configured is marked and the values for the respective statuses can now be defined in the "Field ID value" tab.



**Value:** The value to be sent or which is being checked. The value display can either be configured as a number by text (before and after the value) and value display or also by a corresponding image. A corresponding image is selected under **Image** for this purpose.

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## The matrix elements



offer ready-to-use pre-configured solutions for setting the heating mode types or fan speeds. These elements are matched with communication objects having data point type 1-byte, 0 – 255.

The following visualization displays can be used with this:

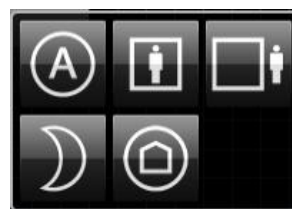
## Temperature control with the operating modes

- Comfort (Value 1)
- Standby (Value 2)
- Economy mode (Value 3)
- Protection mode (Value 4)



## Temperature control with the operating modes

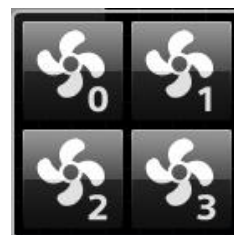
- Automatic mode (Value 0)
- Comfort (Value 1)
- Standby (Value 2)
- Economy mode (Value 3)
- Protection mode (Value 4)



The statuses are not defined by the values but rather by corresponding operating mode symbols.

## Setting 3 fan speeds

- Fan OFF (Value 0)
- Fan speed 1 (Value 33)
- Fan speed 2 (Value 66)
- Fan speed 3 (Value 100)



## Setting 5 fan speeds

- Fan OFF (Value 0)
- Fan speed 1 (Value 20)
- Fan speed 2 (Value 40)
- Fan speed 3 (Value 60)
- Fan speed 4 (Value 80)
- Fan speed 5 (Value 100)



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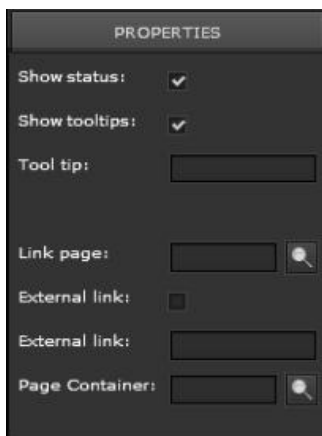
The statuses are not defined by the values but rather by corresponding fan symbols.

8.4.6.6 Special expanded element properties

This element is multi-functional and the most diverse applications can be realized.



Opening pages or jump to external link:



**Link page:** A popup with all currently configured pages and modules is displayed here and the page to be jumped to selected.

**External link:** This function can be activated to open an external website (e.g. a web camera).

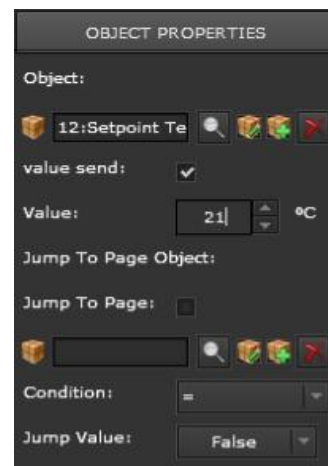
**External link:** The web address (http://...) of the desired external page is defined here.

**Page container:** A selection is made here as to whether this page should be opened in a frame (container) or as a new page (\_self).

Setting the value and opening a page in dependence on a condition:

**Value send:** When this setting is selected, the value set in the **Value** field is sent when the button is pressed.

**Jump to Page:** If this setting is selected, an object can be defined as a trigger for a page change. The **condition** can additionally be entered as well as the **value** for comparison with this condition.



8.4.6.7 Send special value properties

This element is used to send a telegram with a set value. A different display appears, depending on the selected data point type DPT for the communication object to be sent:



The element is displayed as follows on the visualization page when the 1-bit DPT data point type is set:



The element is displayed as follows on the visualization page when the 1-byte, 2-byte, or 4 Byte DPT data point types are set:

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Arrow keys can be used to change the values. The values in the input field can also be entered directly by the keyboard. The values are sent following a short delay after they are changed. Pressing the SEND button also sends the set values.

The element is displayed as follows on the visualization page when the 14 byte DPT data point type is set:



Pressing SEND sends the text (value) displayed in the visualization to the KNX bus.

#### Note

No more than 14 characters are permitted in the 14 Byte format. Excess characters are automatically truncated.

#### 8.4.6.8 Special alarm status properties

This element is used to signal an alarm status. Various value contents can be displayed with different alarm symbols such as Alarm ON or Alarm OFF (the function can be compared to the elements in the "General status" category).



#### 8.4.7 Audio/Video

Elements are offered in this category which are specially used to control audio or video devices. In this regard, the corresponding data point type DPT for the value input can be set in any way desired, e.g. switch on, sound ON or sound OFF with 1 bit DPT. Suitable icons are pre-assigned for the most diverse functions.

For example,



The device can be switched on by pressing this button. For the "Switch-on" element, the value: "True" (Value = 1) is predefined in the properties.

#### 8.4.8 Navigation elements

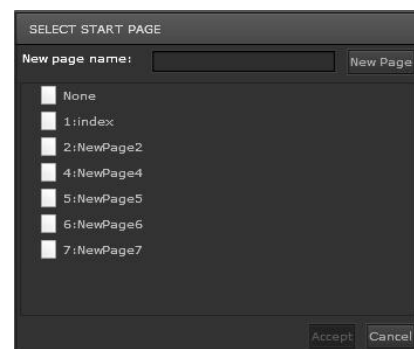
Different control elements for navigation, labeling and image display are listed in this category.

##### 8.4.8.1 Special container properties

A page container is a frame which other pages can be faded into.



The following window opens if the "Container" element is moved by drag & drop to the work area of the visualization page:



The page to be displayed in the container is selected in this window.

This selection, however, can also be made later.

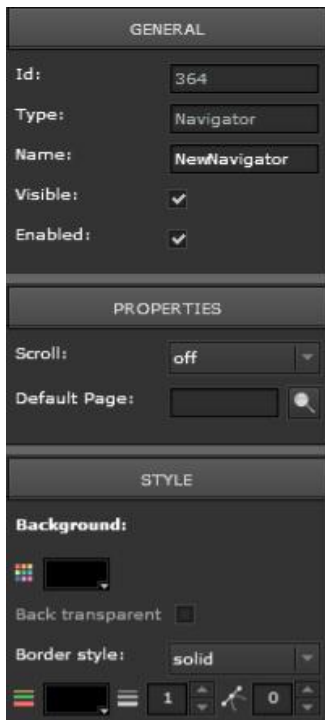
Although this container has a default size of 600x480 pixels, the size can be adjusted at any time.

Among other things, this container is used together with the "Page navigation" control elements which are used to open web pages (navigation) or external inter-

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net pages in this container; also see section 7.2 Page navigation concept.

This container can therefore serve as a tool for setting up a frame within a web page to display other pages in it.



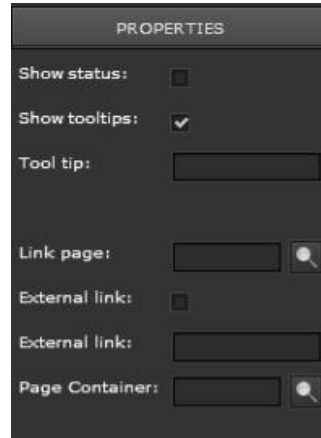
**8.4.8.2 Special page navigation properties (transparent)**

This element is used to open other pages either in a container or on a new web page; also see section 7.2. Page navigation concept.



This element is displayed transparently without its own background.

**Opening pages or jump to external link:**

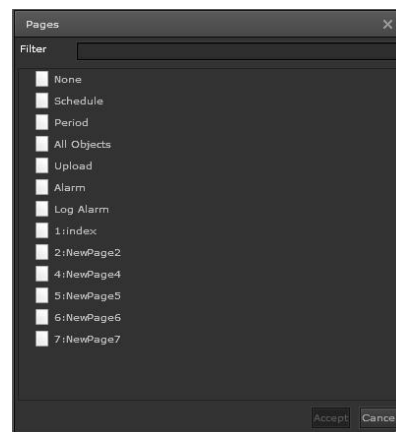


**Link page:** A popup with all currently configured pages and modules is displayed here and the page to be jumped to selected.

**External link:** This function can be activated to open an external website (e.g. a web camera).

**External link:** The web address (http://...) of the desired external page is defined here.

**Page container:** A selection is made here as to whether this page should be opened in a frame (container) or as a new page (\_self).



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Not only visualization pages already configured are listed when the page is selected, but also all of the pages possibly preset by the device such as:

- *Scheduler*
- *Periods*
- *All objects*
- *Downloading*
- *Alarms*
- *Alarm history*

**Note**

The "\_self" option is provided solely for external links when the page container is selected.

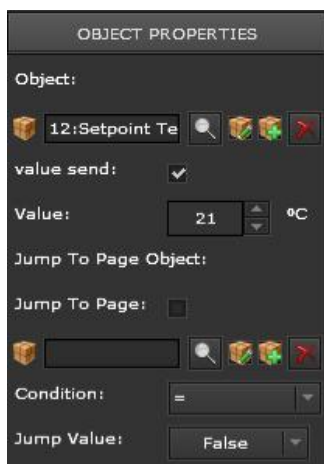
**Note**

The "\_self" option opens a new window in Internet Explorer or a new tab in Firefox.

**Setting the value and opening a page in dependence on a condition:**

**Value send:** When this setting is selected, the value set in the **Value** field is sent when the button is pressed.

**Jump to page:** If this setting is selected, an object can be defined as a trigger for a page change. The **condition** can additionally be entered as well as the **value** for comparison with this condition.

**Note**

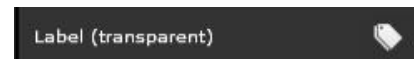
This element is identical to the "expanded element" from the "Expanded control elements" category with the difference that the text "reference" and not "value" is displayed. It is therefore used with the text as a link element for opening other pages. The switching function is activated.

**8.4.8.3 Special page navigation properties**

This element is identical to the "Page navigation (transparent)" element with the difference that a background is already predefined to display the appearance of a navigation button.

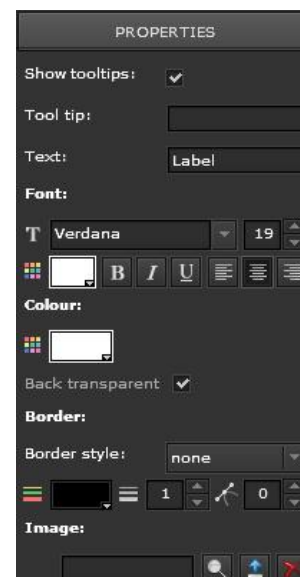
**8.4.8.4 Special identifier properties (transparent)**

This element is used to describe a different element. It is a labeling element.



This element is displayed transparently without its own background.

The description is entered in the **Text** field provided.



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**Note**

In order to prevent an incorrect text display, no backslash characters should be used.

8.4.8.5 Special identifier properties

This element is identical to the "Identifier (transparent)" element with the difference that a background is already predefined.



8.4.8.6 Special image properties

This element is used to display images, in particular project-specific background images such as floor plans, building views, etc.



**Background:** Selection of the background color  
**Back transparent:** The background color is transparent when this is activated

**Image:** The icon is used to select an existing image from a list. The icon is used to load a new image. The icon can be used to delete the current image from the application.

**Scale:** The default resolution setting is automatically assigned to this image.

**X:YRatio:** The width/height ratio is retained during scaling.



**Note**

and then "Delete image" can be used to delete images from the Flash memory which have already been uploaded.

8.4.8.7 Special settings for the touch displays

This element serves as a special page access for system settings. It is used when the IP Control Center takes on the role of a WEB Server together with a Siemens room control unit QMX7 or the Siemens touch panels PXM40 and PXM50, as WEB clients.

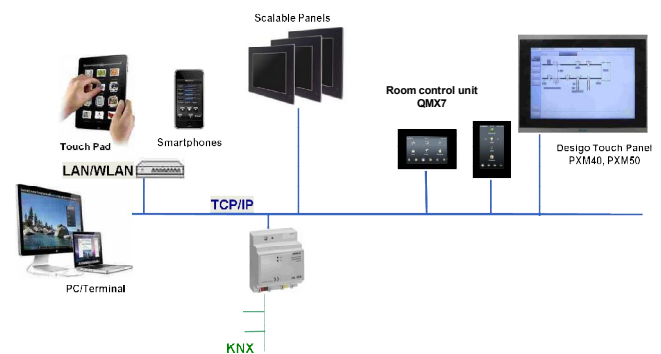


Room control unit QMX7



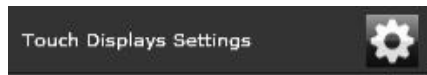
Touch panels PXM40, PXM50

An IP Network is used to connect these WEB clients with the IP Control Center.



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The element is identical to the Page Navigation element.



The page to be accessed on the WEB clients is already preset.

**Page:** "Touch Displays Settings"

 A screenshot of a "PROPERTIES" dialog box. It contains several settings:
 

- Show status:
- Show tooltips:
- Tool tip:
- Link page:  with a search icon
- External link:
- External link:
- Page Container:  with a search icon

The WEB Clients' browser is later used to display a System Assistant in the visualization view. This is used to configure the display setup (solely for room control device QMX7), the system language, and the IP settings, (for more information see the product information for the touch displays).

### Note

The assistant for the system settings is only visible on the room control units QMX7 or on the touch panels PXM40, PXM50, and not on PCs with standard browsers or on mobile browsers.

## 9 Modules

The IP Control Center contains a number of central functions and applications to easily and effectively automate a KNX System. Modules are used to provide the automation functions. The selection is made in the Module menu.

*The module menu:*

- *Time jobs*
- *Logic module*
- *Scene control*
- *Alarm configuration*



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**9.1 Time scheduler**

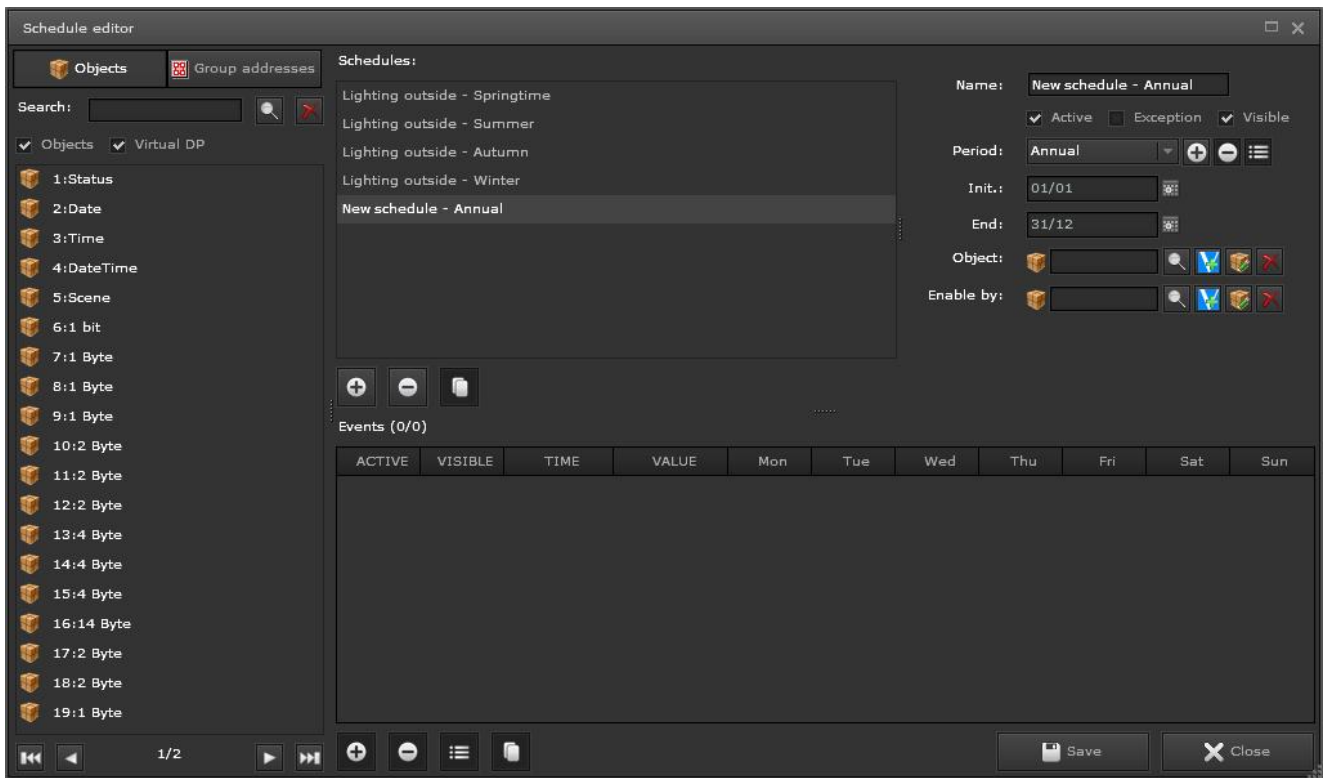
The IP Control Center allows for 300 weekly switching schedules with up to 30 entries per schedule. A timer module is opened in the editor for the configuration. The following image shows the schedule editor window.

The objects, the virtual objects or the group addresses are displayed for selection on the left-hand side. Drag & Drop can later be used to assign them to the appropriate schedules.

The schedules already created are displayed in the center. In this menu section, new schedules can be added and existing schedules doubled or deleted.

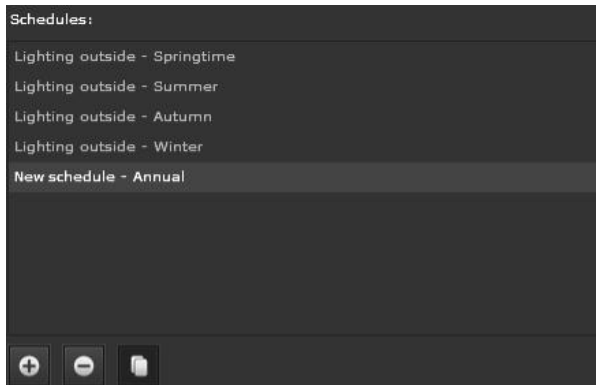
The menu for the basic settings of the selected schedule is located on the right-hand side.

The time commands of the weekly schedules are configured in the lower section.





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Selecting a schedule causes the right side to be filled out in the next step with the individual definitions:

**Name:** Name of the schedule

#### Note

It is a good idea to first assign the object or group address since the name field is automatically filled in with the object name or in the case of a group address, with the group address name.

**Active:** Activation / deactivation of the schedule

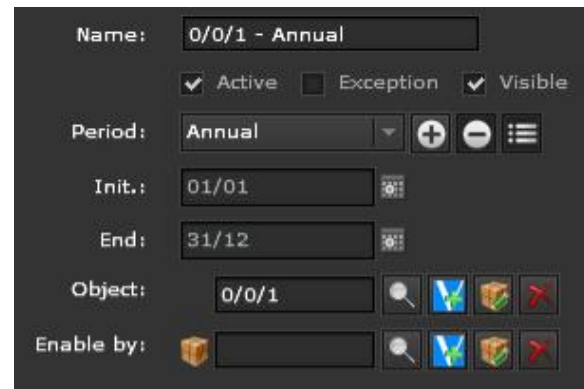
**Exception:** Activating this option causes the periods specified in this schedule to be applied to all other timer schedules linked in the same object.

**Visible:** Activation makes the schedule visible to the user. This provides the user the option of changing the functions.

**Period:** In the default setting, every timer module is set to a yearly cycle. Other time periods can be set by the switches on the right side. New periods can be created. Periods can be deleted or existing periods edited. The start and end of a period are displayed in the **Initialization** and **End** fields. A date calendar is provided for the new setting of a period.

**Object:** The object or group address for which the schedule is created is defined here.

**Enable by:** The schedule can be dependent on the status of another object or group address and then only executed when the value of the enabling object is "1".



The events and time commands of the schedule are set in the following. Up to 30 events per timer schedule are possible.

Events (2/2)		ACTIVE	VISIBLE	TIME	VALUE	Mon	Tue	Wed	Thu	Fri	Sat	Sun
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			07:00	On	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			09:00	On	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

The following command buttons are provided on the lower border:



Add new event

An event is deleted

An event is edited

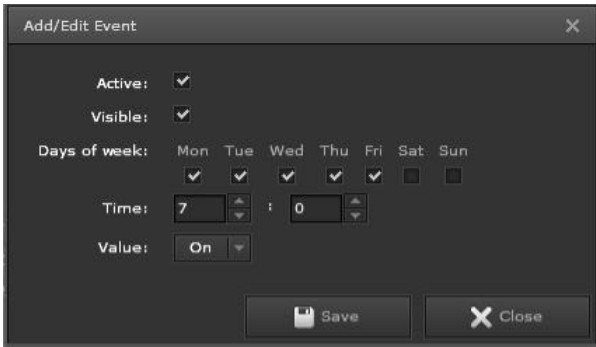
An event is duplicated

The events can either be edited directly in the overview window or by using the Edit command to open the following settings window:

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**Active:** Activation / deactivation of the event  
**Visible:** Activation makes the event visible to the user.  
**Days of week:** Selection of the weekday on which the event will be executed.

**Time:** Selection of the time at which the event will be executed.

**Value:** Value input. The selection field differs depending on the data point type DTP.

9.1.1 Example of a timer schedule

The following example shows the setup of a timer schedule. The name of the sample schedule is "Winter". The object sent has the number 6.

2 events are preset in our example:

1. Monday to Sunday, Object 6, Start at 17:00 (value 1), End 00:00 (value 0)

**Schedules:**

- Lighting outside - Springtime
- Lighting outside - Summer
- Lighting outside - Autumn
- Lighting outside - Winter**
- 0/0/1 - Annual

**Name:** Lighting outside - Winter

Active  Exception  Visible

**Period:** Winter

**Init.:** 21/12

**End:** 20/03

**Object:** 6:Lighting

**Enable by:**

**Events (2/2)**

ACTIVE	VISIBLE	TIME	VALUE	Mon	Tue	Wed	Thu	Fri	Sat	Sun
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	17:00	On	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00:00	Off	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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9.1.2 The web interface for the user: Timer programs

After completing the configuration settings, the user has the option of making adjustments and changes to the visualization page.

A connected access link must be created in the visualization to display the current timer schedule on the visualization page.



**Note**

Changes may not be made by the user unless the "Visible" option is selected in the settings.

The following options are provided on this page:

- Enable:** Activation / deactivation of the timer programs
- Name:** The name of the timer program assigned in the editor. A mouse click opens an additional window for making changes. The timer command can be edited there.
- Periods:** Displays the assigned periods. Other periods can be selected.

Returns to the original visualization page:



Backs up the settings made:



Clicking on the text in the "Name" column opens an additional settings window:



The *period*, the *period name* and the *name of the timer schedule* are specified in the information line.

- Enable:** Activation / deactivation of individual events
- HH:MM:** Drop-Down menu for setting the time at which an event should be executed.
- Day of week:** Activation / deactivation of individual weekdays
- Value:** Allows a value to be changed and sent to the bus.

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**Note**

The settings options depend on the preselection of the data point type DTP in the web editor.

Returns to the timer programs page:

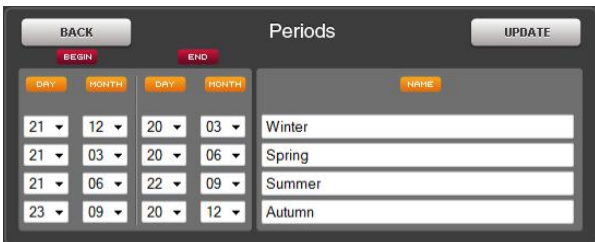


Backs up the settings made:



9.1.3 The web interface for the user: Periods

After completing the period settings, the user has the option of modifying the default settings on the visualization page. An access link must be created in the visualization to connect the current timer program / period to the visualization page.



**Begin:** The starting date of the period.

**End:** The ending date of the period.

**Name:** The designation of the period.

Returns to the original visualization page:



Backs up the settings made:



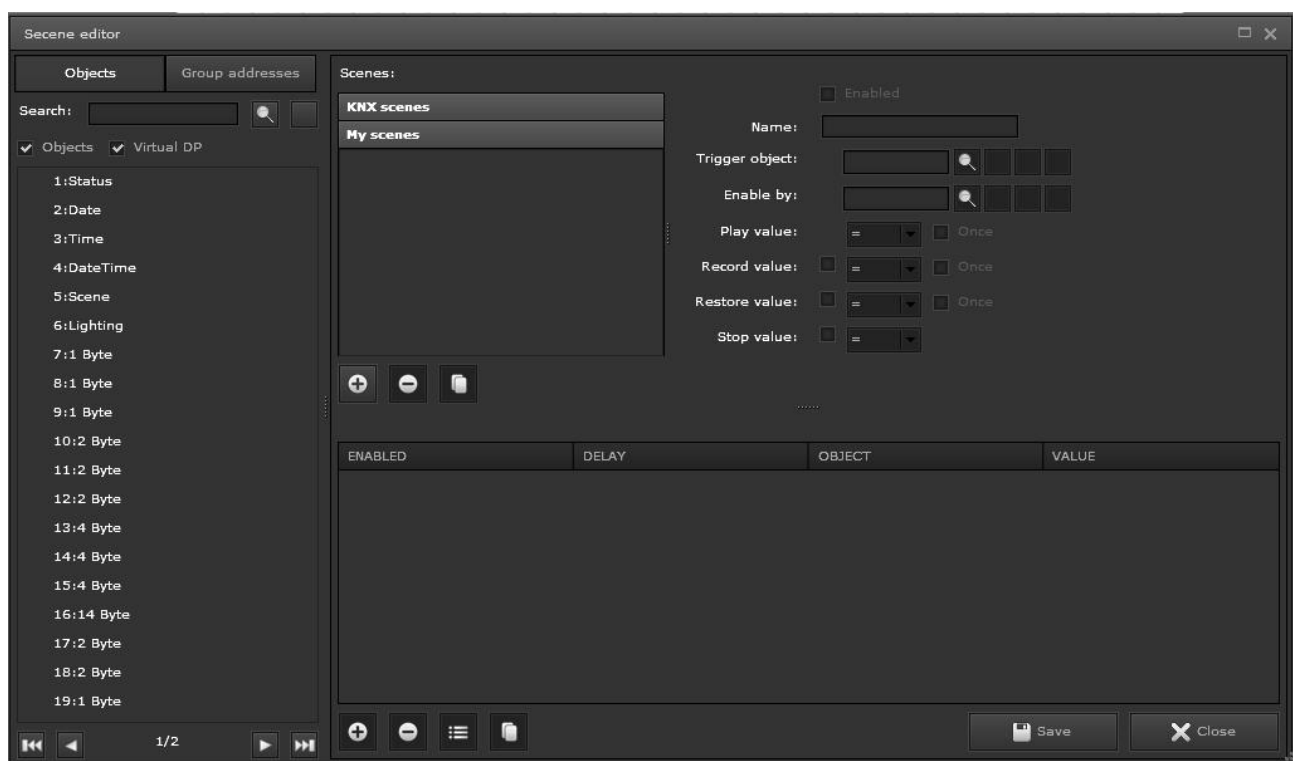
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## 9.2 Scenes

The scenes module of the IP Control Center enables the configuration of up to 5000 scenes or events. It includes 64 KNX scenes. A scene contains a list of events with communication objects or group addresses which are started by a trigger object or a trigger group address. A scene control module is opened in the web editor for the configuration.

The window for the scene configuration receives the objects, the virtual objects or the group addresses on its left-hand side for selection. Drag & Drop can later be used to assign them to the appropriate events.

The upper central part of the scene configuration receives pre-defined scenes under the name KNX scenes (scenes which can be called up by the central scene object) and user-defined scenes with the "My scenes" designation.



## 9.2.1 KNX scenes

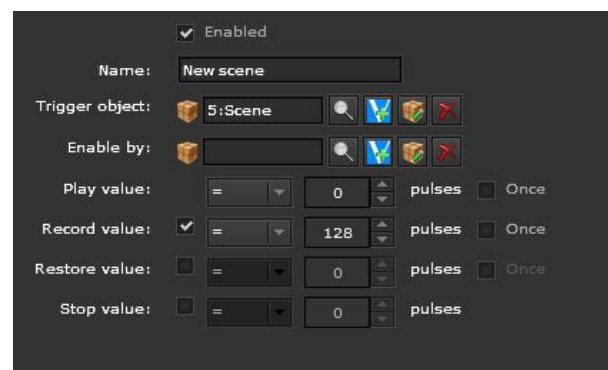
Certain parameters are defined by the KNX standard for the usage of KNX scenes.

**Enabled:** locks / activates a complete scene,

**Name:** Input of the scene name,

**Trigger object:** Designation of the trigger object or the group address. The desired trigger object or trigger group address can be selected from a list or assigned using Drag & Drop.

**Enabled by:** An object or group address can be additionally defined here to activate or deactivate these scenes.



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**Play value:** Selection of the logical trigger condition and the number of trigger pulses required to start a scene, This function is not supported by KNX scenes. The called up scene numbers are displayed in accordance with the selected KNX scene, e.g. scene number 3 is called up for KNX scene 4.

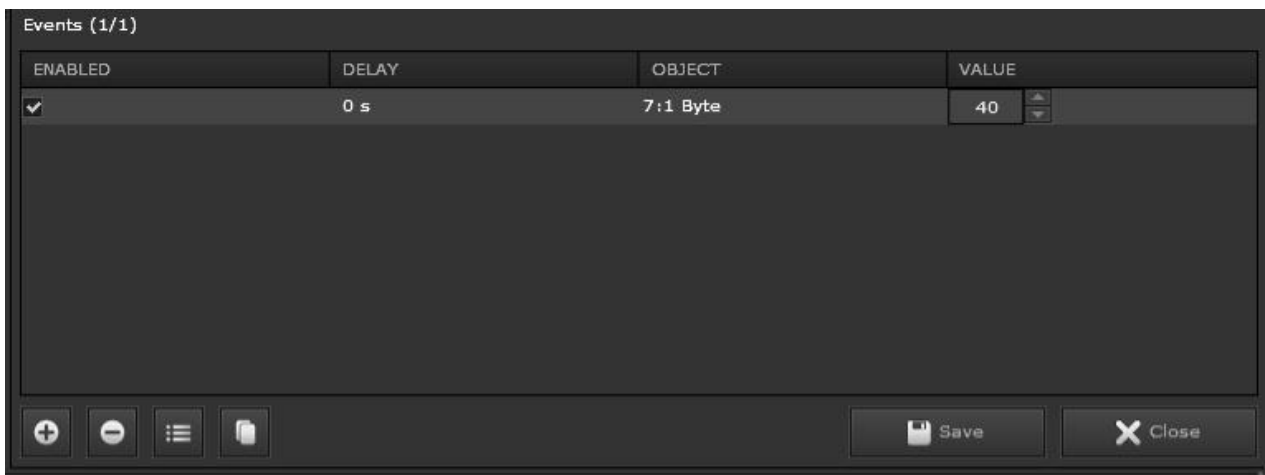
**Record value:** Selection of the logical trigger condition and the number of trigger pulses required to record a scene, This function is not supported by KNX scenes. The value for saving this scene number is displayed in accordance in accordance with the selected KNX scene, e.g. value 131 is additionally sent for KNX scene 4.

**Restore value:** Selection of the logical trigger condition and the number of trigger pulses required to restore a scene. This function is not supported by KNX scenes,

**Stop value:** Selection of the logical trigger condition and the number of trigger pulses required to stop a scene. This function is not supported by KNX scenes.

**Once:** The linked action is only executed one time. The scene is not restarted until a new value is received.

Every scene contains an area for configuring the events:

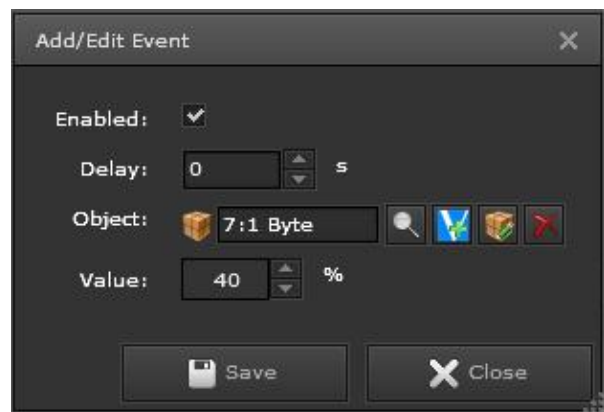


The following command buttons are provided on the lower border:



- Add new event
- An event is deleted
- An event is edited
- An event is duplicated

The events can either be edited directly in the overview window or by using the Edit command to open the following settings window:



**Enabled:** locks / activates a selected event,  
**Delay:** The delay time between the starting of events.  
**Object:** Designation of a trigger object which sends the value to the bus.  
**Value:** Selection of the value sent to the bus. The display depends on the selected data point type DTP.

**07 0B IP Control Center 983501****Note**

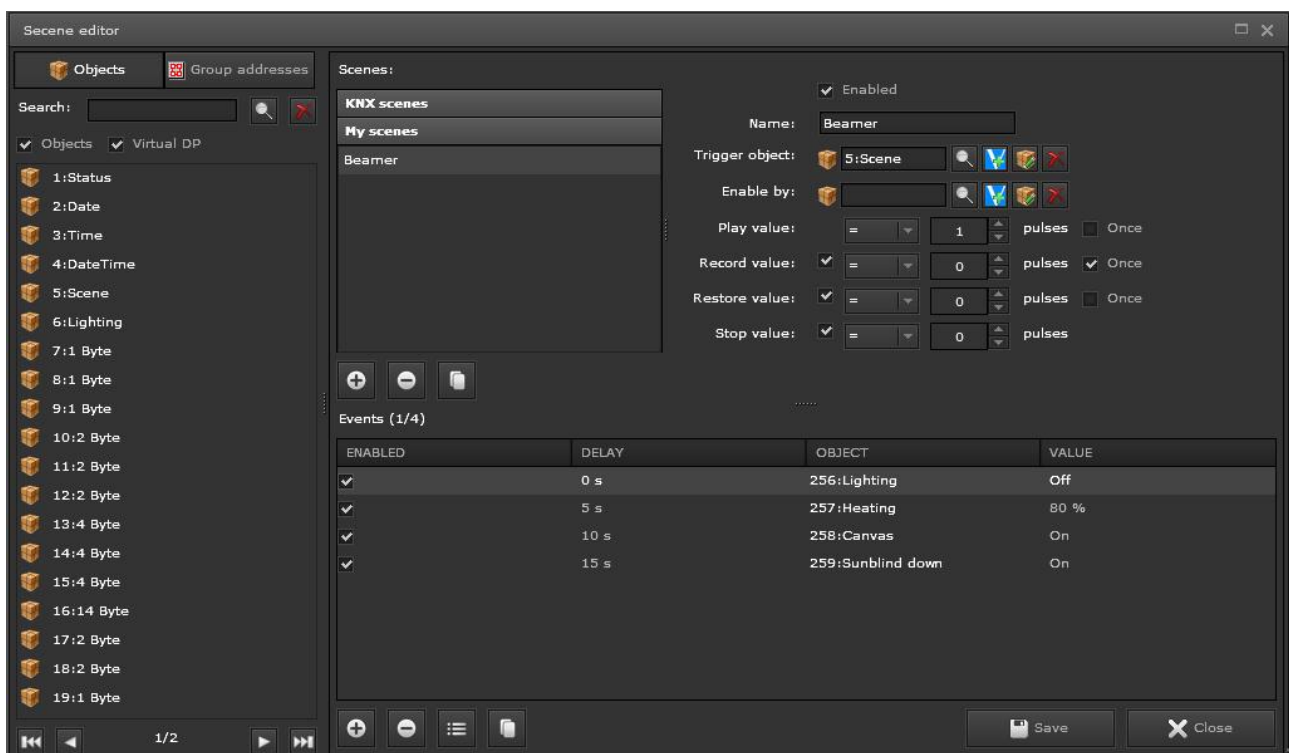
If the scene editor is opened and a scene record simultaneously started within the project, the changed values are applied after the recording in the scene module has ended. If the editor is already opened, then changes in the device will not be displayed until the editor is restarted

**Note**

14 Byte DPTs cannot be used as a scene's trigger object. A scene will not be executed if alphanumeric and numerical characters are used to start it.

## 9.2.2 My scenes

This selection is used to configure the internal scenes of the IP Control Center. An example of a standard scene is shown in the following screenshot:



**Enabled:** locks / activates a complete scene

**Name:** Input of the scene name

**Trigger object:** Designation of the trigger object or the group address. The desired trigger object or trigger group address can be selected from a list or assigned using Drag & Drop.

**Enabled by:** An object or group address can be additionally defined here to activate or deactivate these scenes.

**Play value:** Selection of the logical trigger condition and the number of trigger pulses required to start a scene.

**Record value:** Selection of the logical trigger condition and the number of trigger pulses required to record a scene.

**Restore value:** Selection of the logical trigger condition and the number of trigger pulses required to restore a scene.

**Stop value:** Selection of the logical trigger condition and the number of trigger pulses required to stop a scene.

**Once:** The linked action is only executed one time. The scene is not restarted until a new value is received.



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Drag & Drop can be used to include the objects and/or group addresses in the tabular view. The values can be

changed directly in this view.

ENABLED	DELAY	OBJECT	VALUE
<input checked="" type="checkbox"/>	0 s	256:Lighting	Off
<input checked="" type="checkbox"/>	5 s	257:Heating	80 %
<input checked="" type="checkbox"/>	10 s	258:Canvas	On
<input checked="" type="checkbox"/>	15 s	259:Sunblind down	On

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## 9.3 Logic module

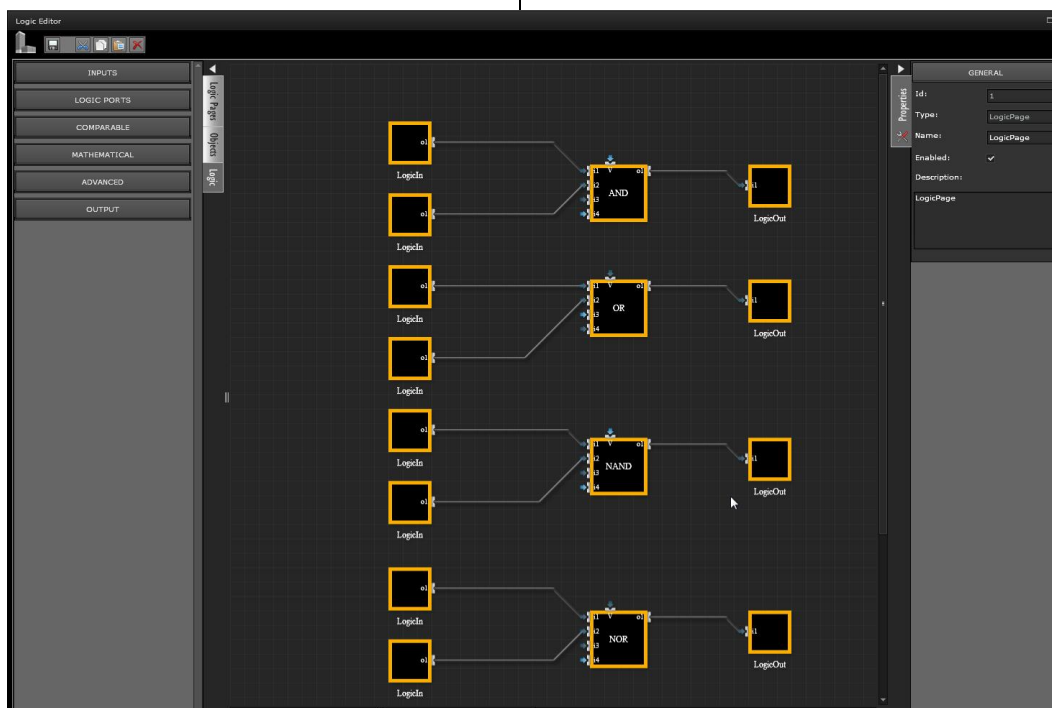
Along with the standard links such as AND, OR, INVERT, the powerful logic module of the IP Control Center also offers comparators, mathematical operations, converters, staircase function, delay elements and other logic gates. The fully graphical interface enables fast and easy configuration, even for complex logic functions.

The logic module is opened in the web editor for the configuration.

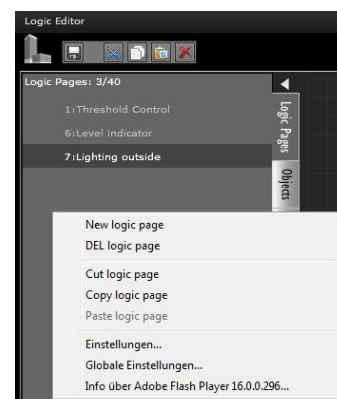
The following image shows the logic editor window

The following functions are located in the tool bar:

-  Back-up the created logic plan
-  Add a copy of a marked element
-  Cut out a marked element
-  Copy a marked element
-  Delete a marked element



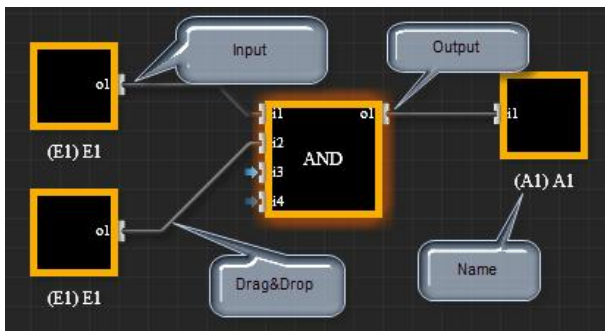
The logic plans can be organized in 40 different folders on the left side. Each of these containers includes a group of functions which can consist of up to 25 logic modules. This allows up to 1000 logic functions to be executed.



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Complete logic pages can also be copied. Click on the desired logic page for this and select "copy logic page" in the context menu. This mouse click can also be used to cut, paste, and delete logic plans.

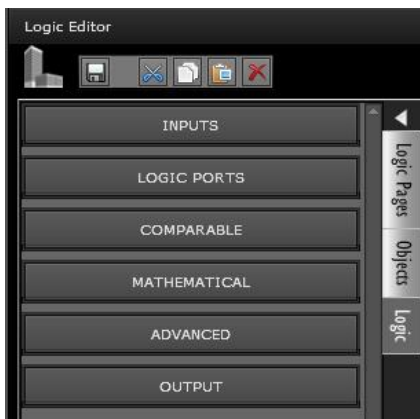
The central element of a logical function is a logic gate with inputs on the left side and outputs on the right. These various elements are selected from the logic menu by the mouse and placed on the logic plan using Drag & Drop. Inputs and outputs can be configured with the associated communication elements. A connection to another port can be made if the port of a logic module is selected with the pressed left mouse button. The line color changes from gray to green if the contact is successful. The list of configuration parameters opens after an element has been selected on the right side of the editor. The general settings are identical to all of the existing logic functions.



9.3.1 Logic inputs and outputs

The menu for the logic modules is vertically docked to the logic plans on the left side.

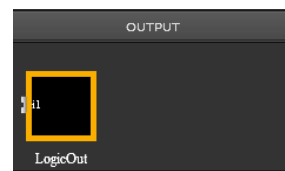
The "Logic" tab is used to open the selection menu for the logic modules.



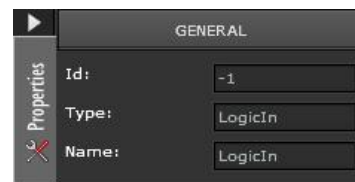
Inputs required for the function are selected from the "Inputs" logic menu and placed to the left of the logic gate on the logic plan.



An output required for the function is selected from the "Outputs" logic menu and placed to the right of the logic gate on the logic plan.



The properties of the marked element are vertically docked on the right-hand side of the logic plan.



**General:**

The **ID** and the **Type** are assigned automatically.

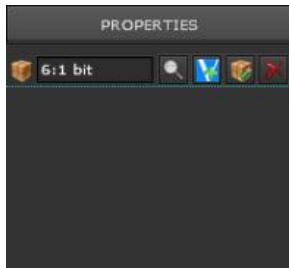
**Name:** The name is later adopted from the assigned object or group address.

**Properties:**

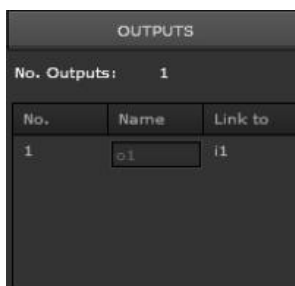
Communication objects and group addresses can be selected for inputs and outputs. These communication objects and group addresses can also be assigned using Drag & Drop. For this purpose, the "Objects" tab is opened and the relevant communication object, the virtual object, or the group address is selected and dragged into the properties field. In this process, the name of the assigned object or group address is simultaneously adopted as the name for the input or output element.

The new name is adopted in the element when the communication object or group address is changed.

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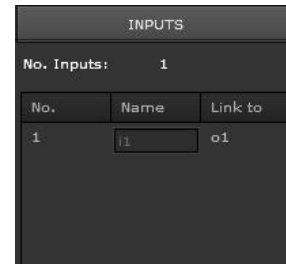
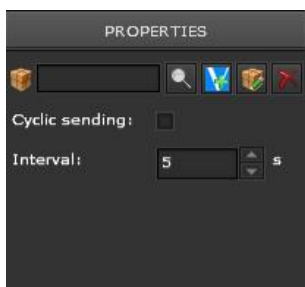
Logical inputs have one input per module. The module input must be selected for the configuration of the corresponding properties.



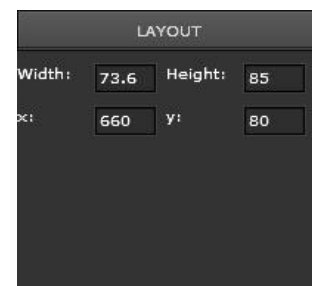
An input element has an internal output (o1) on the right-hand side, which is connected to the logic gate's internal input (e.g. i1).

Logical outputs have one output per module. The module output must be selected for the configuration of the corresponding properties.

A cyclically sending output can be defined for the logical outputs. This property must be activated for this and the interval defined in seconds.



An output element has an internal input (i1) on the left-hand side, which is connected to the logic gate's internal output (e.g. o1).

**Layout:**

The element's position is specified here.

**Width:** the width is permanently defined

**Height:** the height is permanently defined

**X:** left-hand clearance of the element from the edge of the logic plan

**Y:** top clearance of the element from the edge of the logic plan

## 9.3.2 Logic gates

A selection can be made from four groups of logic gates: Binary functions, comparators, mathematical functions and advanced functions.

All of the logic gates can be activated or deactivated for each object or group address by a special activation output **V**. This can be achieved by linking the appropriate input to an object or group address.

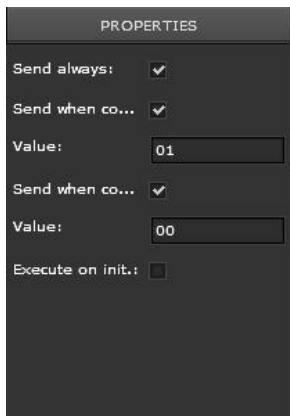
If this input is "1", then this gate is executed. A "0" at the input causes the gate to be deactivated and no signal is processed.

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**Note**

The logic is directly executed when the activation input V is changed from 0 to 1 (activate).

**Properties:**



**Send always:** the trigger condition is evaluated on the input for every event and the result sent to the bus.

**Send when ... (correct):** the condition is correct,

**Value:** the value to be sent,

**Send when ... (incorrect):** the condition is incorrect,

**Value:** the value to be sent,

**Execute on init:** The trigger condition is evaluated and the result sent to the bus after every device download, reset or restart

**Note**

The "initial execution" option assumes that the "Read object values from the bus during restart" parameter was activated.

**Note**

An undefined status exists if inputs do not have a value. The trigger condition is not evaluated in this case.

**Note**

Analog values can also be sent. This enables, for example, a threshold value or temperature value to be sent following a logical evaluation.

**Inputs:**

The properties of the 4 possible internal inputs of a logic gate can be configured.



**Name:** The name i1 to i4 and V is permanently entered in the logic gate and cannot be edited.

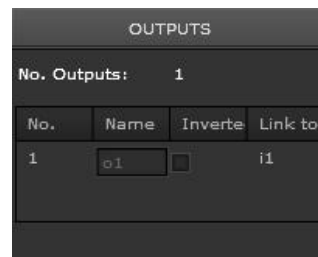
**Invert:** The logic input can be inverted

**Send:** Every input value received causes an evaluation of the trigger condition.

**Link to:** The logic input is connected to the corresponding internal output (o1) of the input element

**Outputs:**

The properties of the internal output of a logic gate can be configured.



**Name:** The name o1 is permanently entered in the logic gate and cannot be edited.

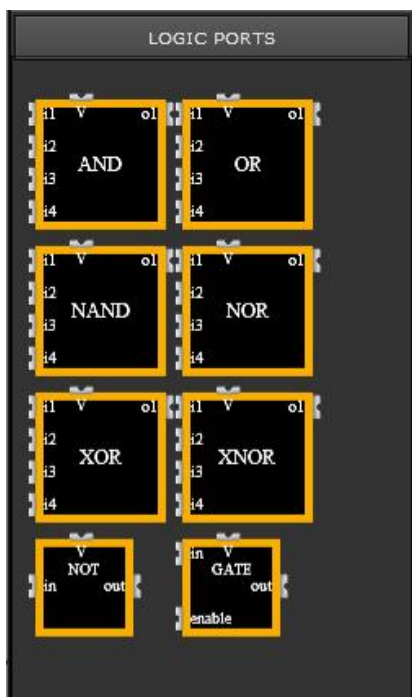
**Invert:** The logic output can be inverted.

**Link to:** The logic output is connected to the corresponding internal input (o1) of the output element.

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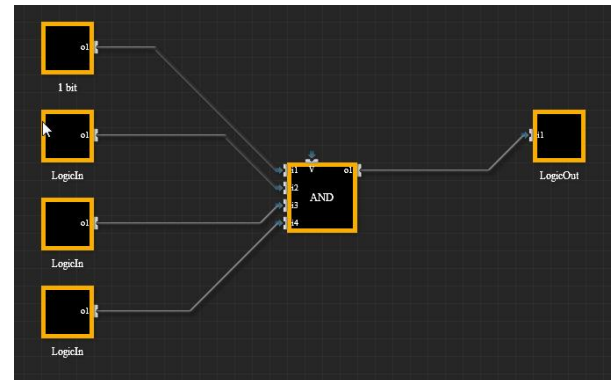
9.3.2.1 Logic ports

The logic gates, AND, OR, NAND, NOR, XOR, XNOR, have 4 internal inputs and one internal output. The NOT and GATE elements have one internal input and one internal output. The corresponding logic gates must be selected for the configuration.



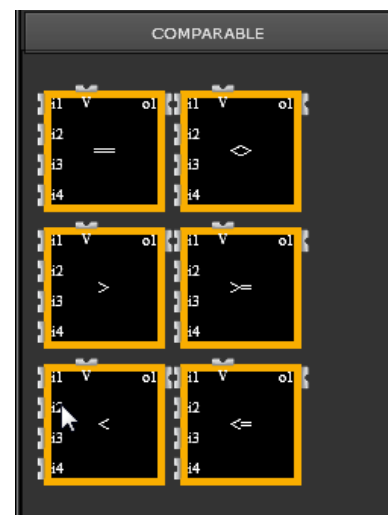
- AND:  $E1 \wedge E2 \wedge E3 \wedge E4 = A1$
- OR:  $E1 \vee E2 \vee E3 \vee E4 = A1$
- NAND:  $E1 \wedge E2 \wedge E3 \wedge E4 = A1$
- NOR:  $E1 \vee E2 \vee E3 \vee E4 = A1$
- XOR:  $E1 \wedge E2 \wedge E3 \wedge E4 = A1$
- XNOR:  $E1 \vee E2 \vee E3 \vee E4 = A1$

Example of an AND logic gate with 4 inputs



9.3.2.2 Comparator

These logic gates compare the value of inputs. All of the comparators have 4 internal inputs and one internal output. The corresponding logic gates must be selected for the configuration.

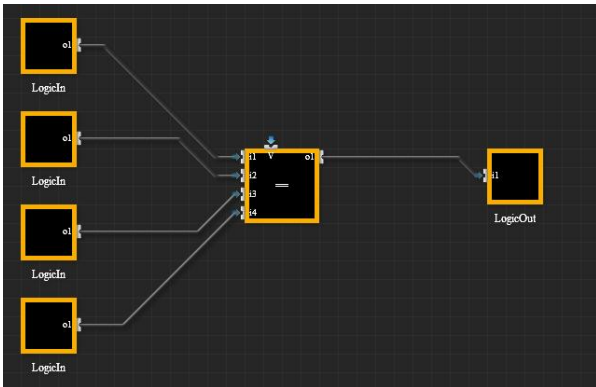


The following comparison functions can be called in the "Comparator" tab:

- EQUAL**  $E1 = E2 = E3 = E4 = A1$
- LESS THAN**  $E1 < E2 < E3 < E4 = A1$
- GREATER THAN**  $E1 > E2 > E3 > E4 = A1$
- NOT EQUAL**  $E1 <> E2 <> E3 <> E4 = A1$
- <=**  $E1 <= E2 <= E3 <= E4 = A1$
- >=**  $E1 >= E2 >= E3 >= E4 = A1$

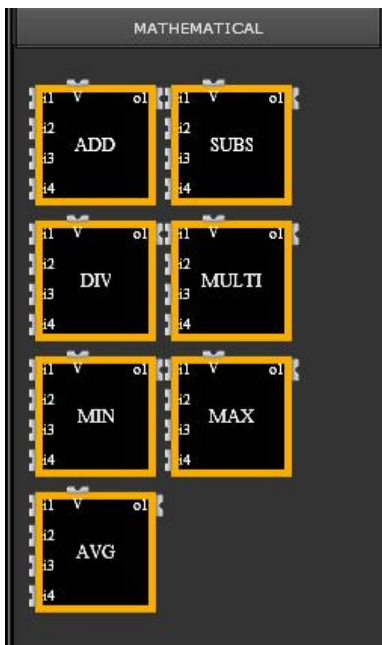
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Example of a comparison operation with 4 inputs.



9.3.2.3 Mathematical functions

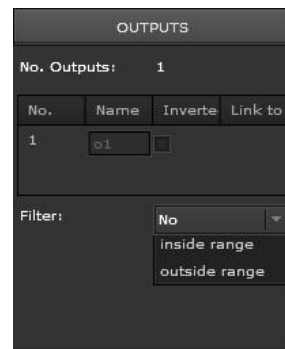
These logic gates perform mathematical computations independently of the values on the 4 internal inputs. The inputs are linked with an operator and sent to the bus as a value following the computation. The corresponding logic gates must be selected for the configuration.



The following mathematical functions can be called in the "Mathematical" tab:

- PLUS:**  $E1 + E2 + E3 + E4 = A1$
- MINUS:**  $E1 - E2 - E3 - E4 = A1$
- MULTIPLIED:**  $E1 * E2 * E3 * E4 = A1$
- DIVIDED:**  $E1 / E2 / E3 / E4 = A1$
- MINIMUM**
- MAXIMUM**
- MEAN**

A filter for the computed output values can be set for the mathematical functions.

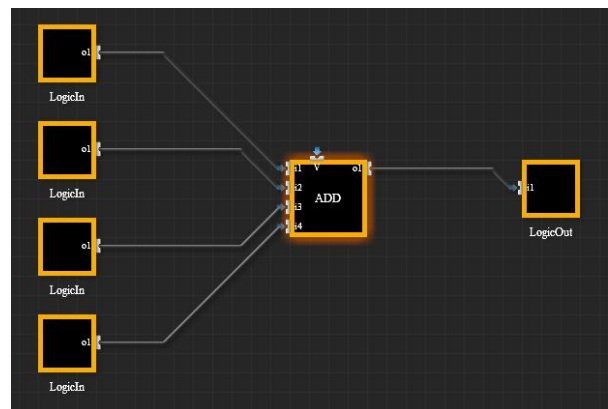


Second values can be used here to define two range limits.



Computed results not matching the filter condition are not output.

Example of an addition of 4 inputs.





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**Note**

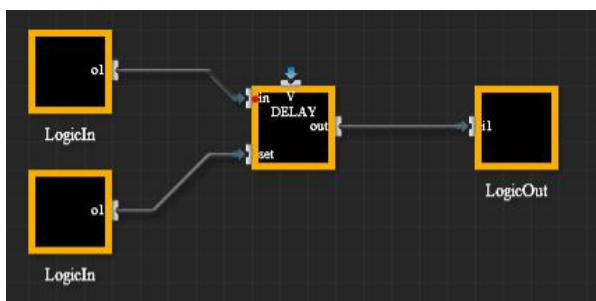
The computation is made in a strictly specified sequence in all of the logic modules. The result of the computation of I1 and I2 is used for the computation of I3. This is used as the basis for computing the final result with I4. This basis must be observed to prevent errors in computations with DIV, SUB, GREATER THAN, LESS THAN, and MEAN.

## 9.3.2.4 Advanced functions

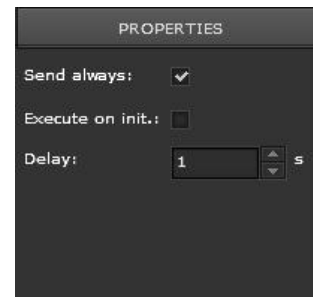
This category includes time and delay elements. These have one internal input and one internal output. These elements also have a special SET input. This special input can be used to set a delay time via a communication object or group address. The corresponding logic gates must be selected for the configuration.



The following functions can be called in the "Advanced" tab:

**Delay function:**

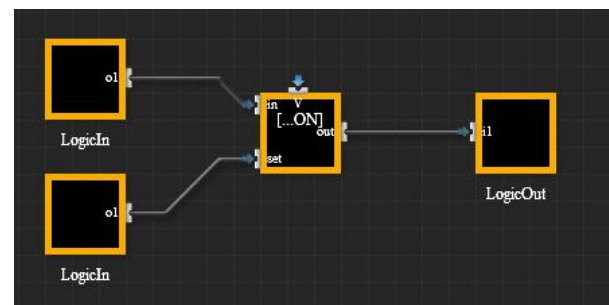
The value on the input [in] is output at the output [out] following a delay time. This delay time is defined in seconds.



The configured delay time is written over by the value from a communication object or a group address.

**Note**

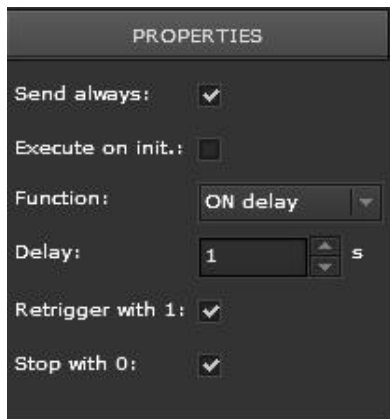
This value is saved persistently, making this change visible and active even following a new start in the Editor.

**On/Off/Staircase function:**

The value on the input [in] is output in different ways at the output [out] following a delay time. This delay time is defined in seconds. The following functions can be selected:

- ON delay
- OFF delay
- Staircase function

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**On function;** Selection of ON delay.  
 The value "1" at the internal input is forwarded to the internal output following a delay equal to the set delay time.  
**Delay:** This delay time is defined in seconds. The configured delay time is written over by the value from a communication object or a group address.  
**Retrigger with 1:**  
 actively set: the delay time is restarted when a "1" is received again on the [in] input  
 deactively set: the delay time is not restarted when a "1" is received again at the [in] input and the value "1" is sent to the output following the initial delay time.  
**Stop with 0:**  
 actively set: the delay can be Stoped immediately when a "0" is received at the [in] input and then the event is not sent to the output.  
 deactively set: the value "1" is still sent to the output following the delay time when a "0" is received at the [in] input.

**Off function:** Selection of OFF delay,  
 The value "0" at the internal input is forwarded to the internal output following a delay equal to the set delay time.  
**Delay:** This delay time is defined in seconds. The configured delay time is written over by the value from a communication object or a group address.  
**Retrigger with 0:**  
 actively set: the delay time is restarted when a "0" is received again on the [in] input  
 deactively set: the delay time is not restarted when a "0" is received again at the [in] input and the value "0" is sent to the output following the initial delay time.

**Stop with 1:**  
 actively set: the delay can be Stoped immediately when a "1" is received at the [in] input and then the event is not sent to the output.  
 deactively set: the value "1" is still sent to the output following the delay time when a "1" is received at the [in] input.

**Staircase function:** Staircase selection,  
 The value "1" at the internal input is immediately sent at the internal output and reset to "0" following the delay time.  
**Delay:** This delay time is defined in seconds. The configured delay time is written over by the value from a communication object or a group address.

**Retrigger with 1:**  
 actively set: the delay time is restarted when a "1" is received again on the [in] input and the internal output is correspondingly not reset until later.  
 deactively set: the delay time is not restarted when a "1" is received again at the [in] input and the value "0" is sent to the output following the initial delay time. Reactivation of this function is not possible until this time has passed.  
**Stop with 0:**  
 actively set: the delay can be Stoped immediately when a "0" is received at the [in] input and the event is then directly sent to the output.  
 deactively set: the value "0" is still sent to the output following the delay time when a "0" is received at the [in] input.

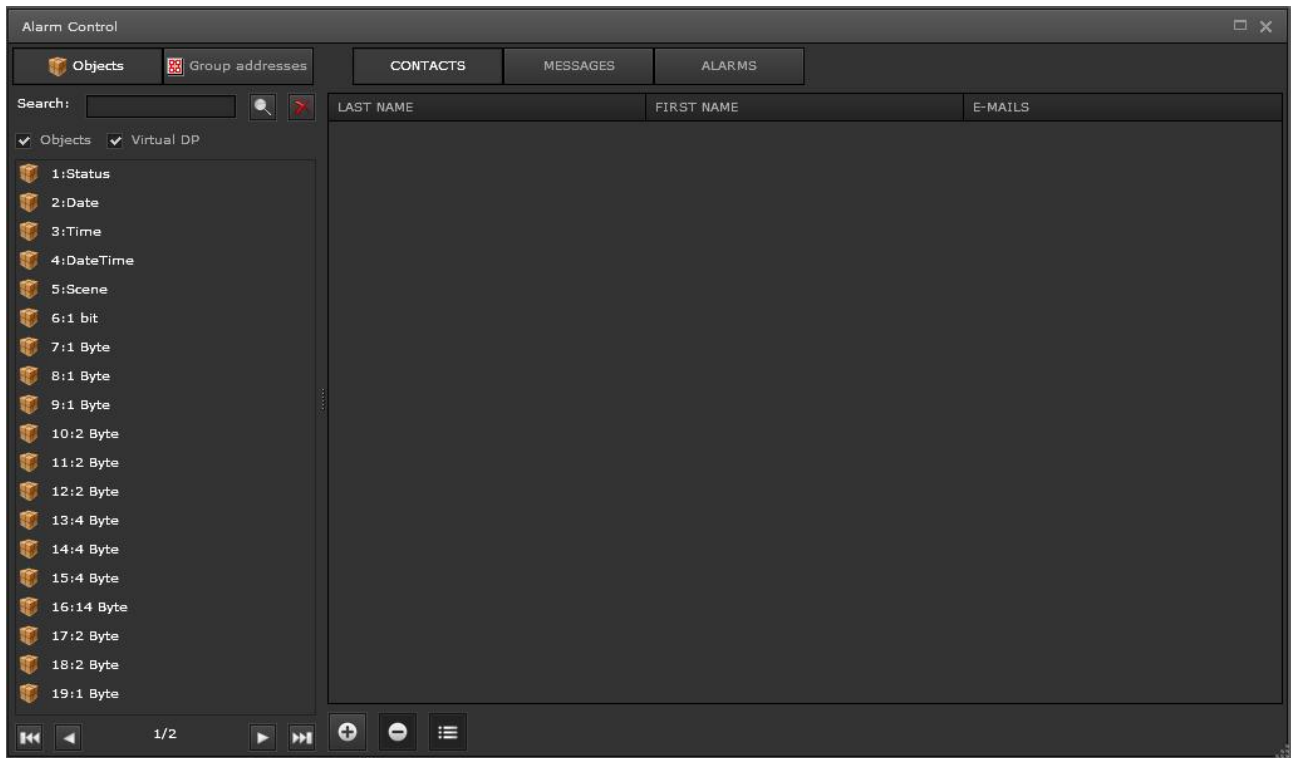
**9.4 Alarm module**

The IP Control Center alarm module offers 250 different alarms, the output of 250 messages, and the creation of 20 contacts with the assignment of two e-mails per contact. An alarm is linked with a communication object which is started by a defined value.

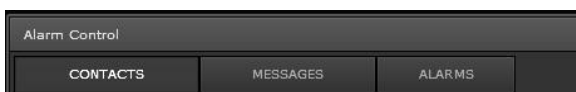
The module records the current alarm statuses and displays them in detail. This can occur by opening a window within the visualization page and/or by sending messages to preset E-mail addresses.

The alarm module is opened in the web editor for the configuration.

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Three settings must be made to configure the alarm module.

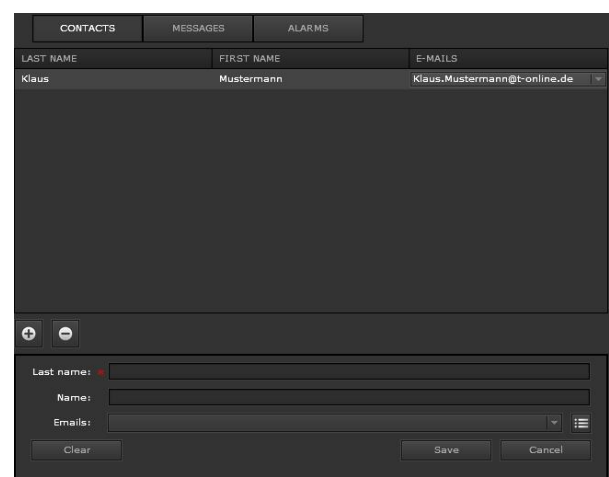


**Contacts:** A list with contacts to be notified when an alarm occurs.

**Messages:** Definition of the message texts and the assignment of E-mail addresses with the corresponding notification text.

**Alarm:** List of conditions for triggering an alarm.

## 9.4.1 Contacts



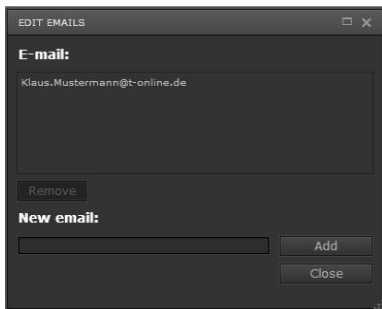
The list of contacts can contain up to 20 addresses, each having two notification texts. The Add button can be used to open a window in which the last name (required field) and the first name of the contact address is as-

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signed. This information must be backed up before the email address is input.



An additional window, where the e-mail address can be entered, opens following a mouse-click on the Edit button. The Add button can be pressed to create the email address.

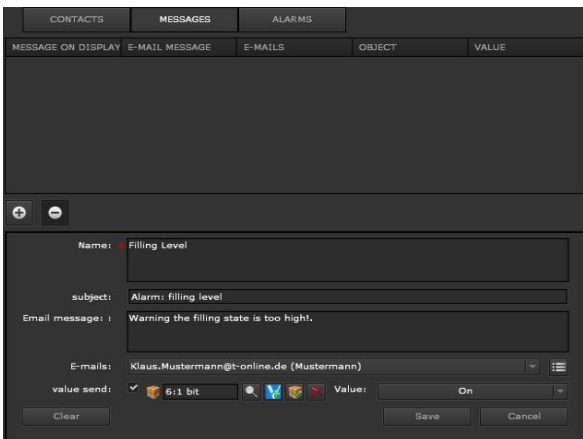


These contacts are used for the later alarm management and the notification of the assigned persons.

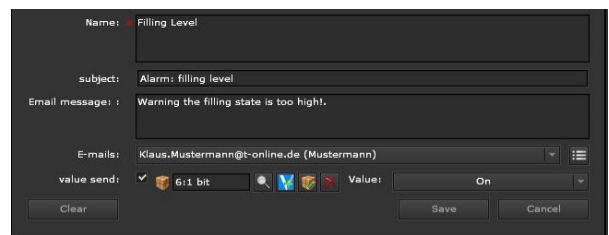
#### 9.4.2 Messages

The messages required for the project are created in this area.

The parameters created are displayed as lines as shown in the following example:



The "Add" buttons are located in the center area of the window. Upon confirmation, a new window is opened where a new message can be created. This can be edited by double-clicking on the alarm bar. The Delete button can be pressed to delete an existing alarm. The fields for creating a new message are displayed in the lower area of the window where messages are also edited.

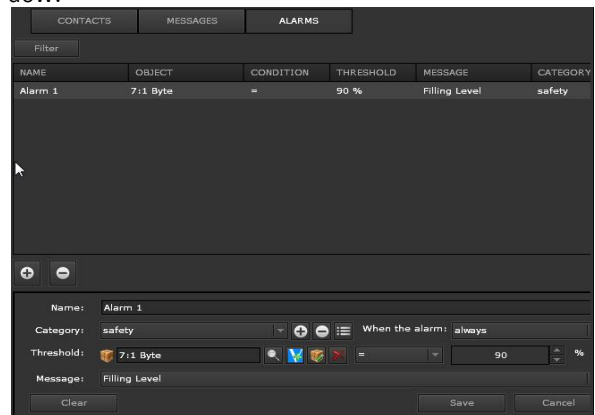


- Name:** Name of the alarm message
- Subject:** the subject of the message. It appears in the subject line of the email.
- E-Mail message:** the notification text sent with the e-mail
- E-mails:** the recipient of the E-mail can be selected and/or edited
- Value send:** allows a value to be sent to the linked communication object or group address.
- Value:** the value sent to the bus

The entries must be backed up by saving after editing. The "Clear" button resets all of the inputs back to their initial values. The window is closed with "Cancel" without the inputs being applied.

#### 9.4.3 Alarm

The alarm condition and the connection with a previously defined message are configured in the alarm window:



**07 0B IP Control Center 983501****The trigger condition of an alarm**

**Name:** Name of the alarm

**Category:** The category in which an alarm is classified. The break-down of the alarms into categories simplifies their administration. Categories can be created or deleted by the +/- buttons. The Edit button can be used to change any categories already created.



**Alarm:** Selecting "always" causes the alarm to be triggered every time the trigger value is reached. Only once with the "first-time" condition.

**Threshold:** the object or group address is defined here along with the comparison criterion and the threshold value

**Message:** Selection of the notification text which was already created in the Messages tab.

The entries must be backed up by saving after editing. The "Clear" button resets all of the inputs back to their initial values. The window is closed with "Cancel" without the inputs being applied.

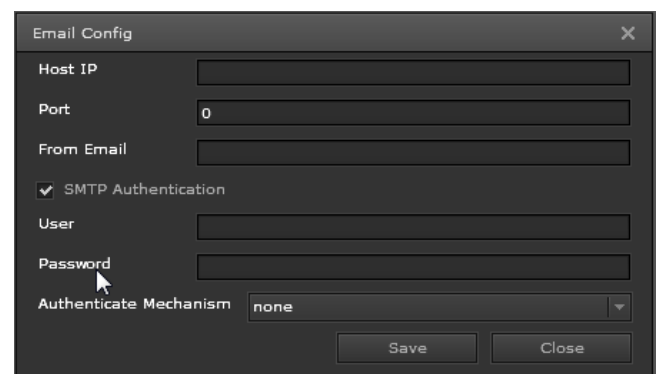
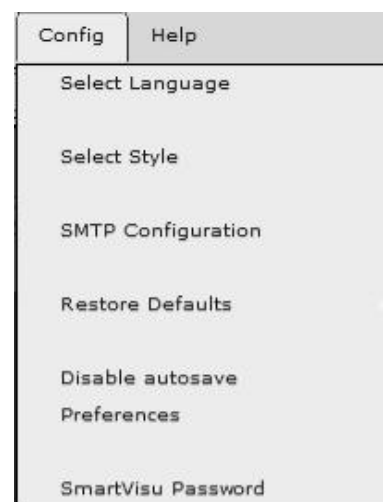
**Note**

The communication object in which the limit value is defined supports solely the following DTP:

DPT\_1\_0XX: // 1-bit Boolean 1 o 0  
 DPT\_5\_001: // 8-Bit Unsigned Value // DPT\_Scaling  
 DPT\_5\_010: // 8-Bit Unsigned Value //  
 DPT\_Value\_1\_Ucount  
 DPT\_6\_010: // 8-Bit Signed Value //  
 DPT\_Value\_1\_Count  
 DPT\_7\_001: // 2-Octet Unsigned Value //  
 DPT\_Value\_2\_Ucount  
 DPT\_8\_001: // 2-Octet Signed Value //  
 DPT\_Value\_2\_Count  
 DPT\_9\_0XX: // 2-Octet Float Value  
 DPT\_12\_001: // 4 -Octet Unsigned Value //  
 DPT\_Value\_4\_Ucount  
 DPT\_13\_001: // 4-Octet Signed Value //  
 DPT\_Value\_4\_Count  
 DPT\_14\_0XX: // 4-Octet Float Value

## 9.4.4 E-mail SMTP server configuration

None of the e-mails defined in the alarm module can be sent unless a valid SMTP Service has been configured. An SMTP server is configured in the menu Config → SMTP Configuration.



**Host IP:** Name of the outgoing E-mail server (e.g. smtp@gmx.de)

**Port:** SMTP server port (e.g. 445)

**From Email:** E-Mail sender

**SMTP Authentication:** this option must be activated if the SMTP-Server requires authentication

**User:** User name (e.g. m\_mustermann@gmx.de)

**Password:** User password

**Authenticate Mechanism:** none and/or SSL or TTLS.

**Application program description**

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**Example: GMail**

**Host IP:** this is the Gmail SMTP Server Address:  
smtp.gmail.com  
**From Email:** its complete Gmail Address  
(e.g. Example@gmail.com)  
**SMTP authentication:** active  
**User:** Gmail SMTP User name:its complete Gmail address (e.g. Example@gmail.com)  
**Password:** Gmail SMTP password: its Gmail password  
**Authenticate Mechanism:** a choice can be made between SSL and TLS:  
 SSL: the **Port** in this setting is the Gmail SMTP Port: 465  
 TTLS: the **Port** in this setting is the Gmail SMTP Port: 587

**Example: Hotmail**

**Host IP:** this is the Hotmail SMTP Server Address:  
smtp.live.com  
**From Email:** its complete Hotmail Address (e.g. Example@gmail.com)  
**SMTP authentication:** active  
**User:** Hotmail SMTP User name:its complete Hotmail address (e.g. Example@hotmail.com)  
**Password:** Hotmail SMTP password: your Hotmail password  
**Authenticate Mechanism:** Select TLS:  
 the **Port** in this setting is the Hotmail SMTP Port: 587

9.4.5 Web user interface

The alarms are managed by a web user interface. This simplifies the administration, even of complex alarm settings.

They are accessed by an assigned link in the visualization or by a popup window on the opened visualization page if an alarm has been triggered.



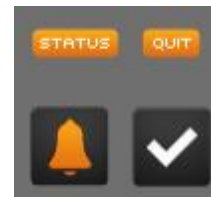
The following information is displayed.

- Category:** the category assigned to the alarm.
- State:** the current alarm status.
- Ack:** Display of whether the alarm was acknowledged or whether confirmation is still pending.
- Date/Time:** Date/time when the alarm was triggered.
- Alarm name / Threshold:** the assigned name of the alarm and the default trigger value.

**Trigger / current:** The default value for triggering the alarm and the current value.

**The available status reports for every alarm:**

Alarm is active and waiting for confirmation:



Alarm is active and was confirmed:



Alarm is no longer active and was confirmed:

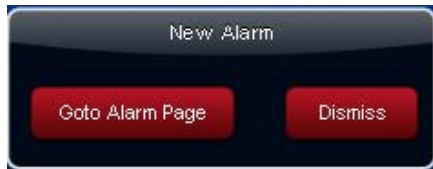


This completed condition is no longer displayed the next time the alarm page is opened.

The alarm is no longer active and is waiting for confirmation:

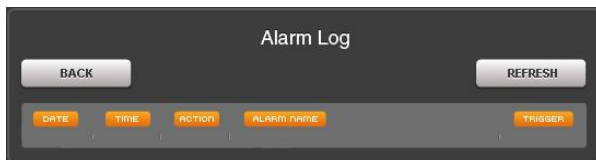


A message is displayed to the user if the popup window is not opened when an alarm occurs:

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#### 9.4.6 Alarm log book

All of the registered alarms are recorded in a log file. This can be displayed on the web user interface



- Date / Time:** Date / time when the alarm event was triggered
- Action:** Change in the alarm statuses:  
NORMAL: The status is normal again  
ALARM: The alarm is triggered  
ACK: The alarm was acknowledged
- Alarm Name:** The name assigned to the alarm
- Trigger:** The value at the moment when the alarm status changes.

#### Note

The log book is not persistently saved and is therefore emptied when the device is restarted.

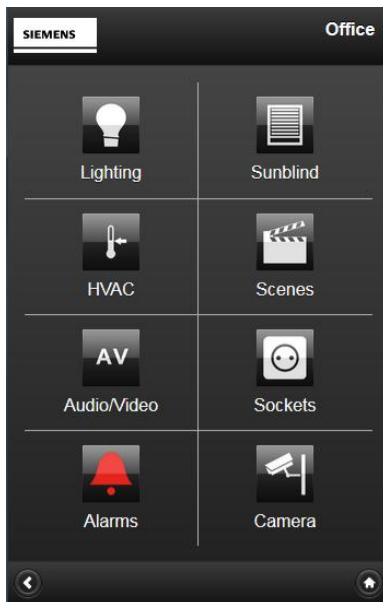


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**10 Project planning with the Smart Editor**

A Smart Editor is also located along with the WEB Editor on the IP Control Center.

This can be operated very easily and intuitively. The Smart Visualization projects planned with this have a fully structured display and operating philosophy. The Smart Visualization is optimized for mobile browsers, for all Smartphones and for a room control unit.



**10.1 Configuration of the IP Control Center**

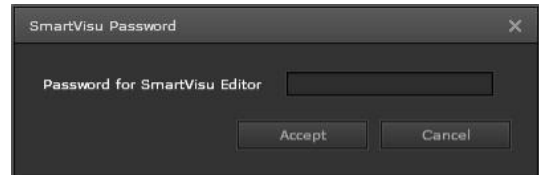
The network parameters must be set before you can begin the actual Smart Editor configuration process. The corresponding parameters are first set in the ETS application program and then uploaded onto the device, also refer to Section 5. The corresponding settings must also be made on the PC/Laptop to establish the connection to the network.

**10.2 Opening the Smart Editor**

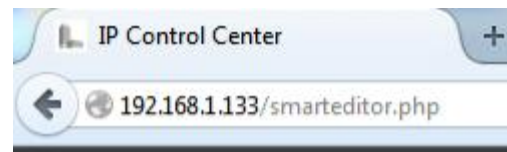
The Smart Editor can be separately protected by a password to ensure its secure start-up.

The Smart Editor's password is configured in the ETS. It is identical to that of the WEB Editor, see Section 5.

The password for the Smart Visualization, which is used by the final user for display and operation, is set in the WEB Editor under menu item Config → SmartVisu password. No password is entered by default.



The Smart Editor is opened after the IP address, which was preset in the ETS, has been input and the "smarteditor" expanded in the Web Browser.



The start screen opens with a virtual keyboard for entering the password.



The Smart Editor opens if the password, e.g., "Siemens", is entered correctly.

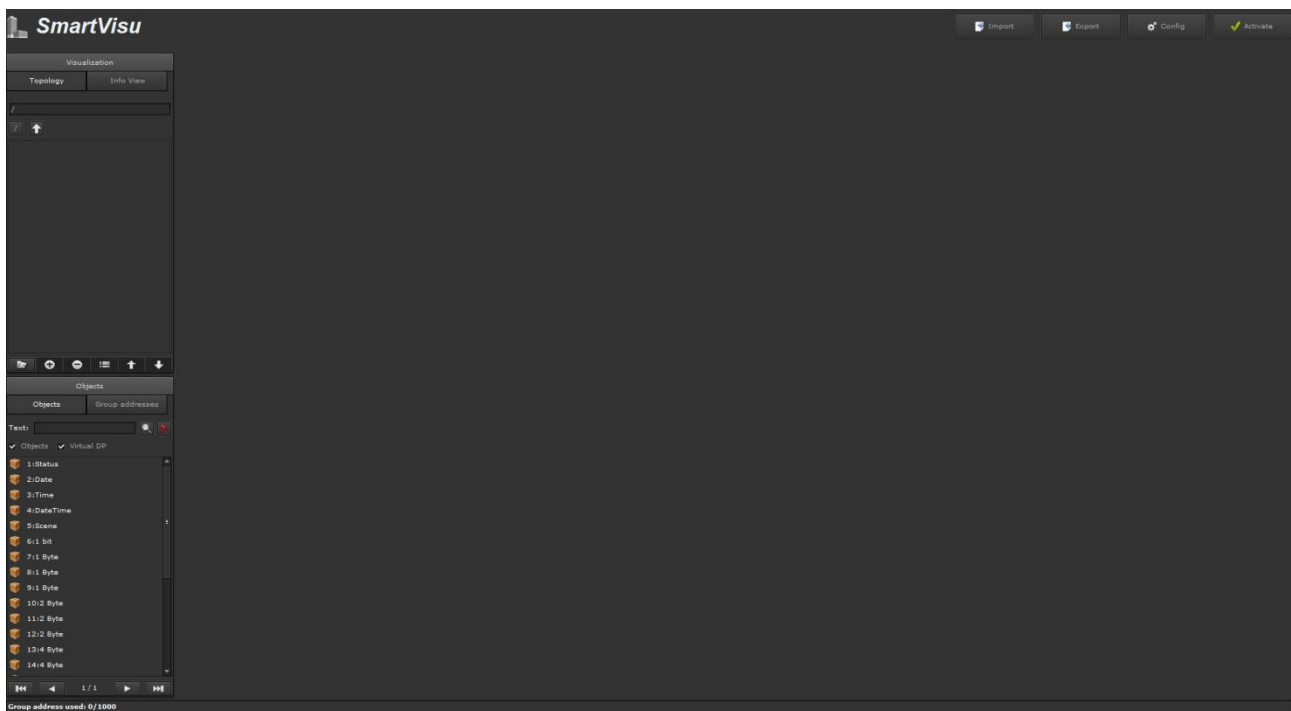
**Note**

No more than one editor can ever be logged on at the same time in Smart Editor. A warning message appears if an additional editor logs on at the same time (e.g. by remote access). This also applies for the WEB Editor.

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### 10.3 Smart Editor

The illustration displays the Smart Editor's operating area:



The function buttons for "Import", "Export", "Config" and "Activate" are located on the right-hand side of the Smart Editor's header.



**Import:** Imports an existing configuration of a Smart Visualization project into the editor. A name for this configuration can be individually defined or the existing name can be changed. Also refer to 10.3.1. for settings involving style, layout and topic.

**Export:** Backs up the configuration of a Smart Visualization project on a local PC.

#### Note

The configuration of the Smart Editor project is a part of the complete WEB Visualization. Any configuration of the Smart Visualization created after a complete backup of the WEB Visualization will be lost following restoration of the WEB Visualization (complete project). This is

because the configuration of the Smart Visualization does not yet contain any data when the complete project backup is created. For this reason, it is recommended that the "Backup" function from the Web Editor be used for a complete project backup.

**Configuration:** Setup of the visualization environment with regard to style, layout and background color and the assignment of a project name

**Activate:** Creates a Smart Visualization in HTML format and saves it in the IP Control Center.

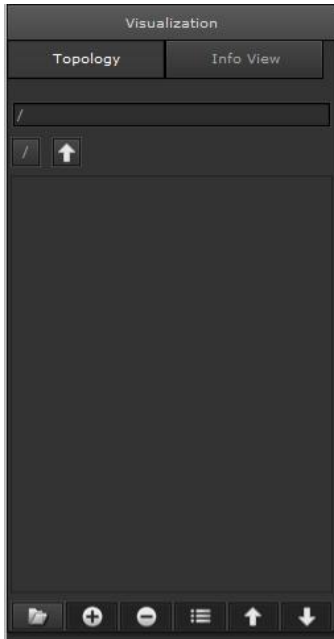
The work area for configuring the Smart Visualization is located in the center area.

The "Topology" and "Info view" registers are located to the left of the work area.

The "Topology" register shows the tree structure of the folders and functions for the current Smart Visualization. The folder reflects the page navigation.

The "Info view" register shows various status values of the installation in a slider window of the visualization. The "Status general" functions can be created.

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- Add folders/icons
- Add function
- Delete function
- Edit
- Navigate up/down



The window with the communication objects, the virtual objects, and the group addresses is located in the lower left-hand corner of the Smart Editor. They must be directly assigned to the respective functions.

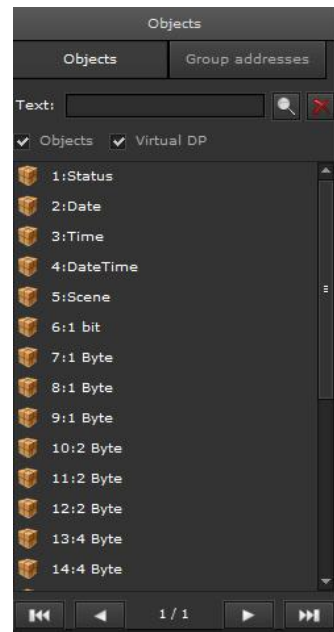
The created functions are displayed in the visualization view in the center of the menu bar.

Example: Time display:



**Note**

Any desired number of folders, subfolders or functions can be created. If not all of the folders (page navigations) and functions can be displayed on the Smartphone visualization pages, then sliders are displayed in the visualization view at the right and at the bottom. This makes it possible to navigate to all existing visualization pages and functions.

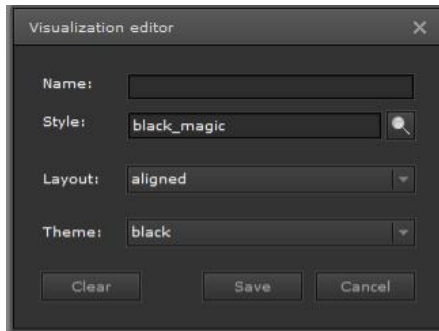


10.3.1 Configuration

A Smart Visualization project begins with the configuration settings made using the function buttons in the header.

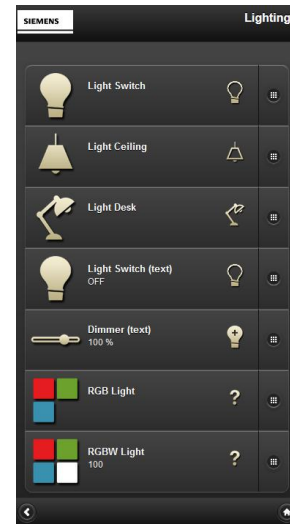
The following function buttons are located beneath these two registers:

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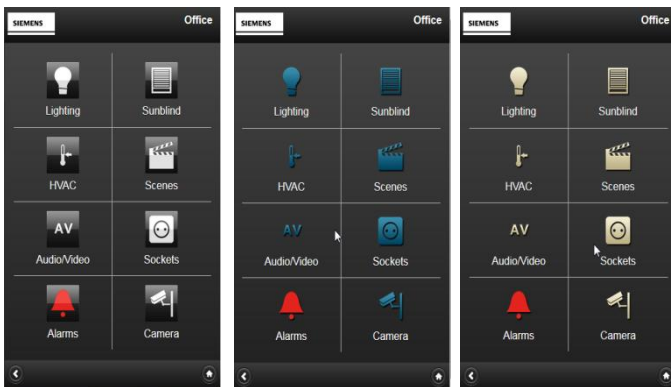
**Name:** The name of the visualization project is entered. This appears in the visualization view in the right-hand corner of the header.

**Style:** One design style can be selected. Three styles are available by default: "black\_magic", "blue\_transparent" and "cream\_transparent".



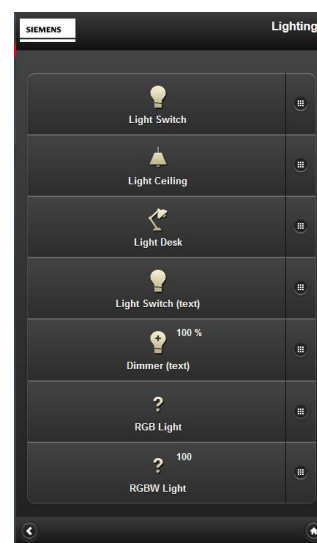
Aligned layout

The function's icon and description are displayed in the center of the function line when the "central" setting is used. The corresponding button on the right-hand side of the function bar is used to display a submenu for the function, e.g. this causes the dimming function to be displayed as a slider and the RGB control unit as a special element. The entire operating line can generally be used to switch simple functions such as On/Off; the submenu is not required.



Black magic      Blue transparent      Creme transparent

**Layout:** A choice can be made between the "aligned" and "central" layouts. This setting refers to the arrangement of the display and operating functions and their icons. The function's icon and description are displayed on the left when the "aligned" setting is used. The corresponding button on the right-hand side of the function bar is used to display a submenu for the function, e.g. this causes the dimming function to be displayed as a slider and the RGB control unit as a special element. The entire operating line can generally be used to switch simple functions such as On/Off; the submenu is not required.



Central layout

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**Theme:** this selection can be used to choose a specific background color for the display and user interface. Five colors – black, blue/gray, white, yellow, red – are available.



black  
blue/grey  
white



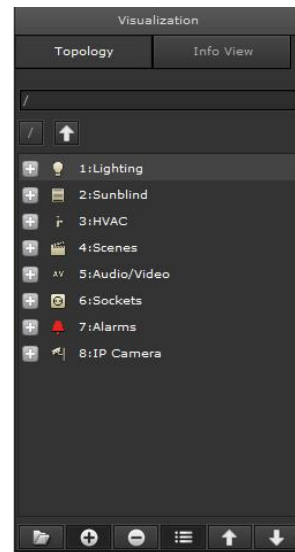
yellow

rot

10.3.2 Functions

The page setup and the Smart Visu project navigation must be defined in the Topology register before the display and operating functions are set up. In addition to this, the functional switch "Add icon" is used to create a page with its designation. This designation is displayed beneath the navigation button for this page. The corresponding display page also includes this caption in the upper right-hand corner. Access to the corresponding page can also be protected by password. This is setup

under "Password". An appropriate icon can be selected behind the image for the page navigation button. This can represent a subsection such as lighting, sun protection or HVAC or a local arrangement such as office 1, office 2, meeting room, etc.



A double-click on the folder or a single click on the plus-symbol in front of the folder takes you to the subfolders, etc., where additional subpages and thus an operating topology can now be defined. The "Add function" function switch is used to create a function. This is displayed on the operating page.

The functions are divided into 9 categories.

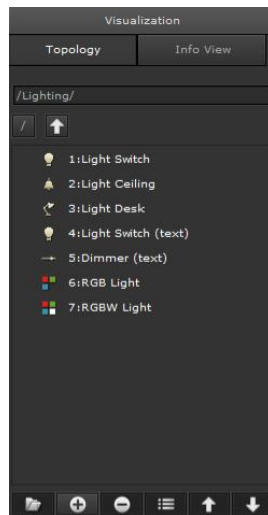
- Lighting
- Switching General
- Status General
- Solar Protection
- Scene / Effect
- Advanced Elements
- HVAC
- Audio / Video
- IP Camera

10.3.2.1 Lighting

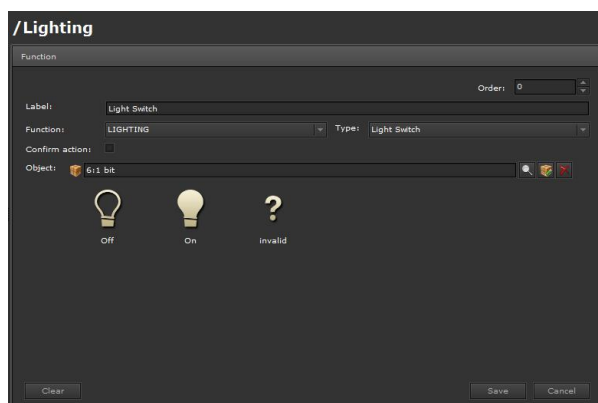
Functions are created by selecting the relevant folder and page in each case and then adding a function. Sev-

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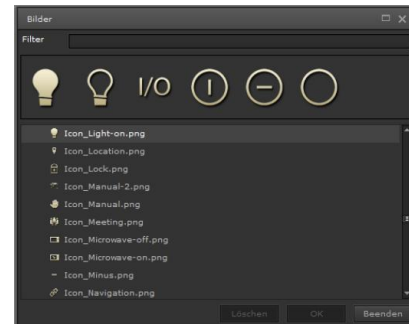
en types can be chosen from when the lighting function is selected:



**Light switch:** This element sends ON/OFF commands. The status is updated by the correspondingly configured object and/or the group address. This is displayed by a specific icon. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is preset and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".



**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. lighting

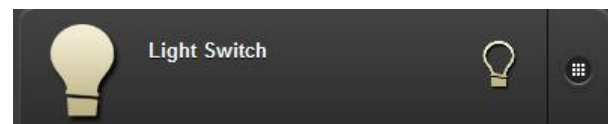
**Type:** Light switch

**Confirm action:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Images:** Images for displaying the action: Off, On, invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the light switch visualization view:**

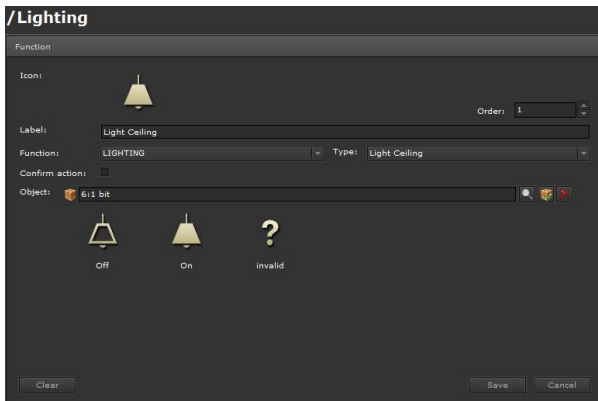


**07 0B IP Control Center 983501**

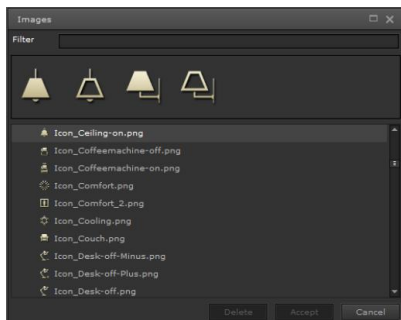
**Light switch visualization view:**



**Light ceiling:** This element sends ON/OFF commands. The status is updated by the correspondingly configured object and/or the group address. This is displayed by a specific icon. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is preset and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".



**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. lighting.

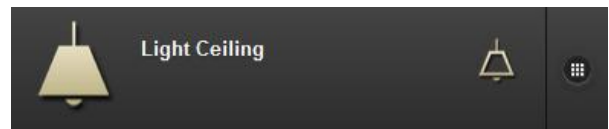
**Type:** Light ceiling

**Confirm action:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Images:** Images for displaying the action: Off, On, invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the Light ceiling visualization view:**



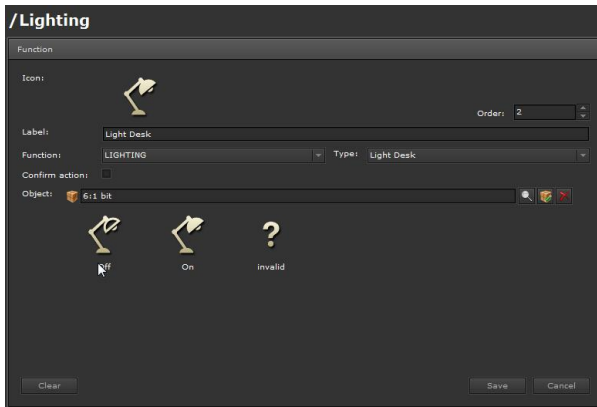
**Light ceiling submenu:**



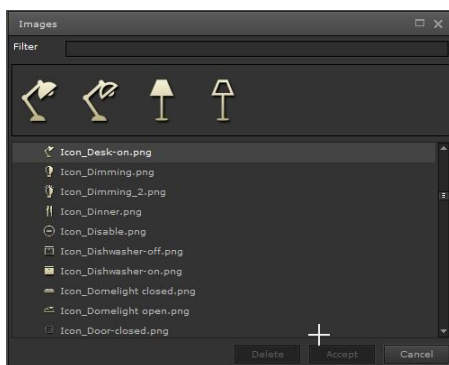
**Light desk:** This element sends ON/OFF commands. The status is updated by the correspondingly configured object and/or the group address. This is displayed by a specific icon. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



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**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".



**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. lighting

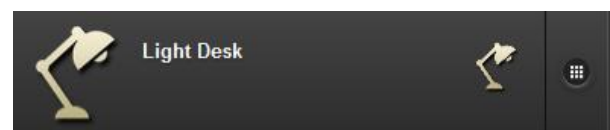
**Type:** Light desk

**Confirm action:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

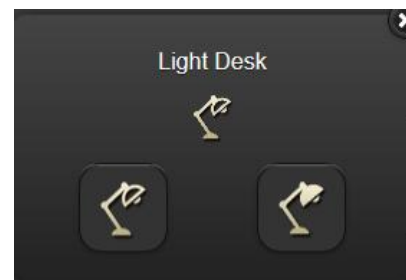
**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Images:** Images for displaying the action: Off, On, invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the Light desk visualization view:**

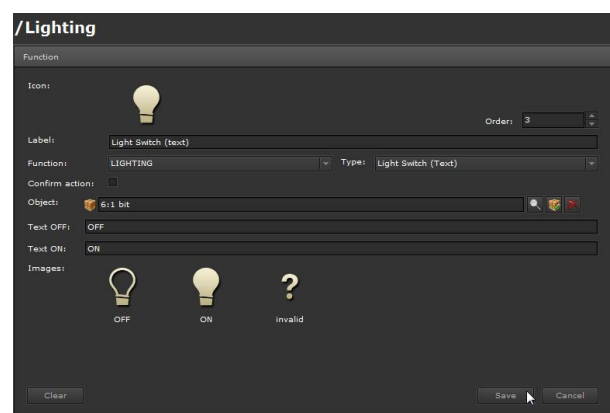


**Light desk submenu:**



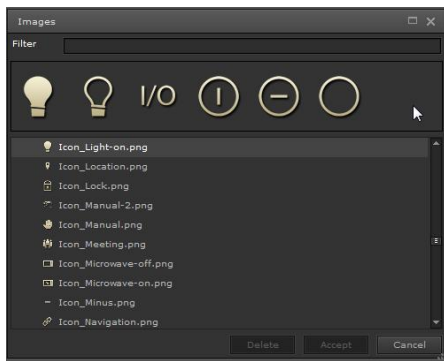
**Light switch (Text):** This element sends ON/OFF commands.

The status is updated by the correspondingly configured object and/or the group address. This is displayed by a specific icon and a text. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

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**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. lighting

**Type:** Light switch (Text)

**Confirm action:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

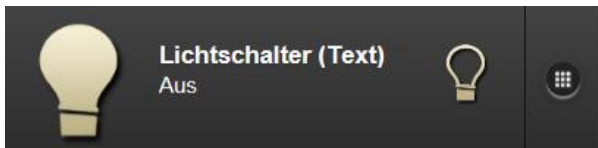
**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Text OFF:** Display text for the OFF value/status

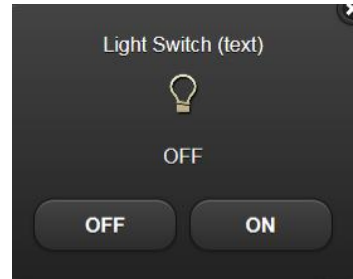
**Text ON:** Display text for the ON value/status

**Images:** Images for displaying the action: Off, On, invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the light switch (text) visualization view:**



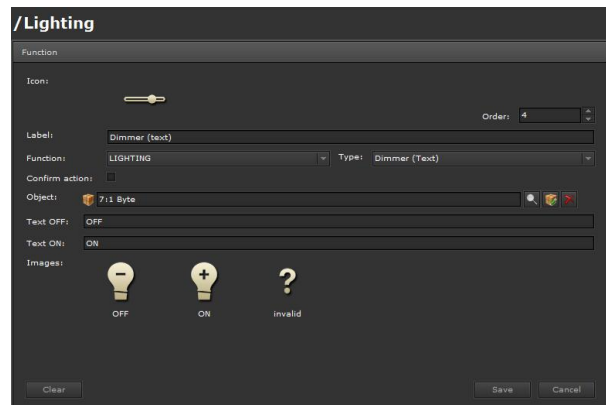
**Light switch (text) submenu:**



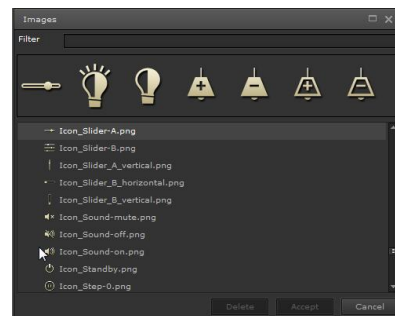
**Dimmer:** This element sends ON/OFF commands and absolute values (0...100 %) for the dimming function.

A slider is used to set the dimming value.

The status is updated by the correspondingly configured object and/or the group address. This is displayed by a specific icon and a text. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is preset and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".



**Label:** An appropriate function designation can be entered.

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**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. lighting

**Type:** Dimmer (Text)

**Confirm action:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

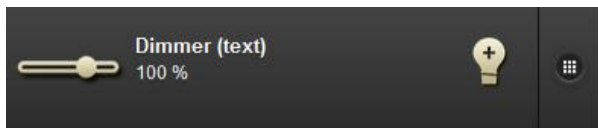
**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

**Text OFF:** Display text for the OFF value/status (Wert = 0%)

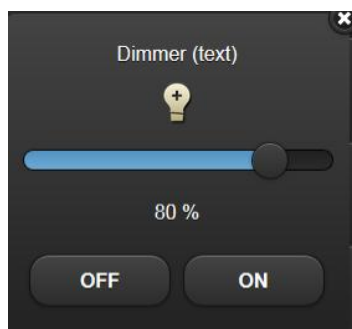
**Text ON:** Display text for the ON value/status (Wert = 100 %)

**Images:** Images for displaying the action: Off, On, invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

#### Display of the dimmer visualization view:



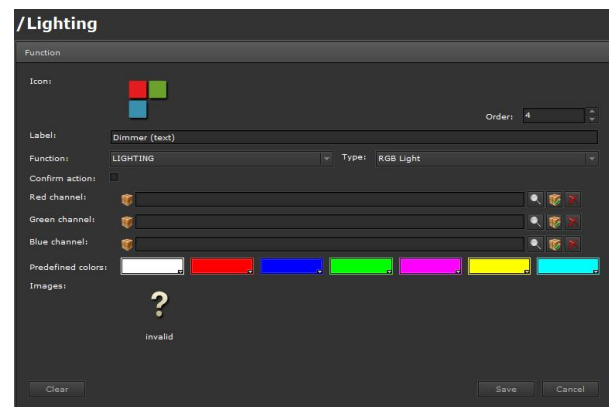
#### Dimmer submenu:



**RGB Light:** This element sends 3 absolute values (0...100 %), 3 x 1-byte, for the RGB light control.

A special colored light control element is provided to set the color, the brightness and the color intensity. The status is updated by the correspondingly configured ob-

ject and/or the group address. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. lighting.

**Type:** RGB Light

**Confirm action:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

**Red channel:** Link with a communication object, a virtual object or a group address for controlling the color red. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

**Green channel:** Link with a communication object, a virtual object or a group address for controlling the color green. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

**Blue channel:** Link with a communication object, a virtual object or a group address for controlling the color blue. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

**Predefined colors:** 7 different colors can be preselected directly. They can be set using a color chart or a color

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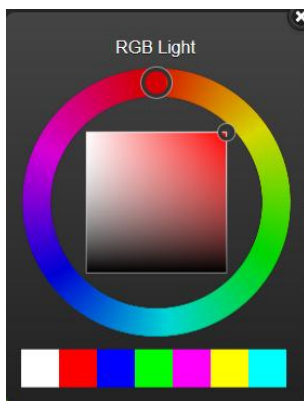
code. These colors are offered for direct color setting in the RGB element of the visualization view.

**Images:** Image for the display: invalid value. This can be changed. The IP Control Center includes a wide selection of icons.

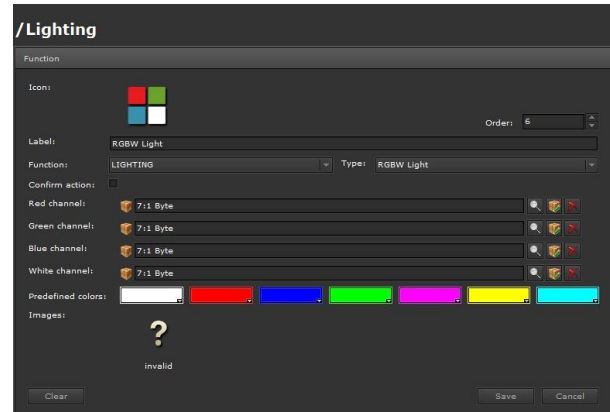
**Display of the RGB light visualization view:**



**RGB Light submenu:**



**RGBW Light:** This element sends four absolute values (0...100%), 4 x 1-byte, for the RGBW light control. A special colored light control element is provided to set the color, the brightness, the color intensity and the amount of white. The status is updated by the correspondingly configured object and/or the group address. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. lighting.

**Type:** RGBW Light.

**Confirm action:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

**Red channel:** Link with a communication object, a virtual object or a group address for controlling the color red. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

**Green channel:** Link with a communication object, a virtual object or a group address for controlling the color green. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

**Blue channel:** Link with a communication object, a virtual object or a group address for controlling the color blue. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

**White channel:** Link with a communication object, a virtual object or a group address for controlling the color white. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

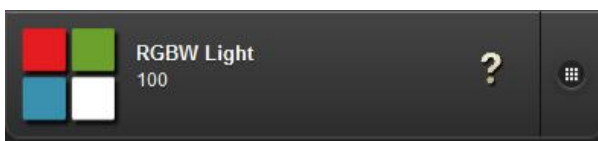
**Predefined colors:** Seven different colors can be preselected directly. They can be set using a color chart or a

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color code. These colors are offered for direct color setting in the RGB element of the visualization view.

**Images:** Image for the display: invalid value. This can be changed. The IP Control Center includes a wide selection of icons.

**Display of the RGBW light visualization view:**

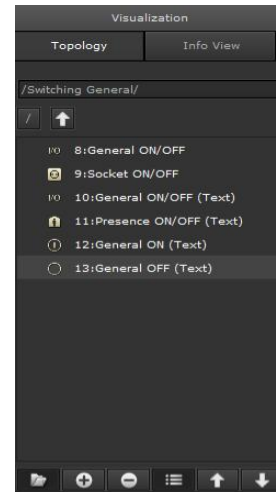


**RGB Light submenu:**



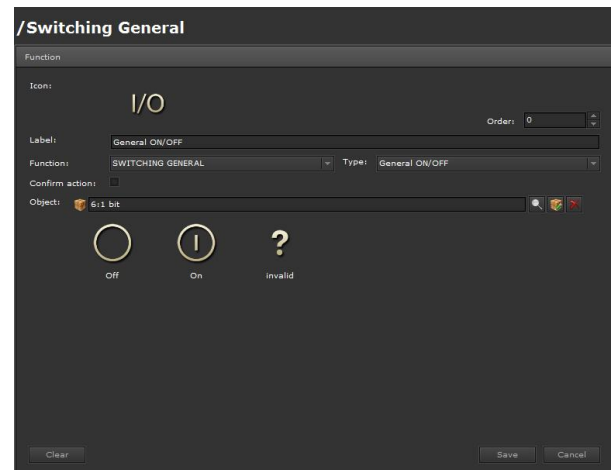
**10.3.2.2 General switching**

Functions are created by selecting the relevant folder and page in each case and then adding a function. Six types can be chosen from when the General Switching function is selected:



**General On/Off:** This element sends ON/OFF commands.

The status is updated by the correspondingly configured object and/or the group address. This is displayed by a specific icon. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

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**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. General switching.

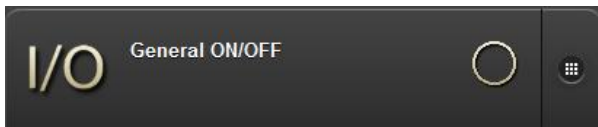
**Type:** General On/Off

**Confirm design:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Images:** Images for displaying the action: Off, On, invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

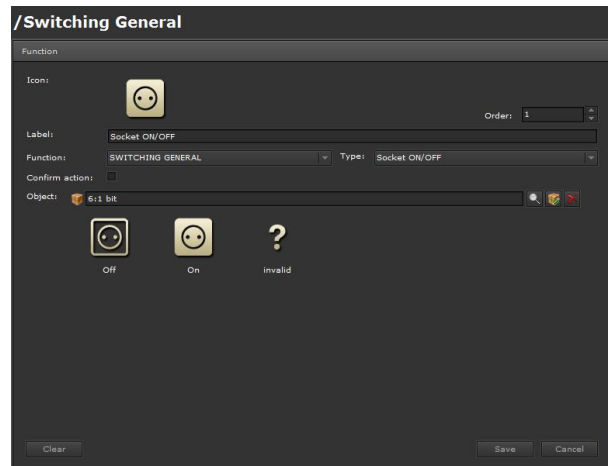
**Display of the General On/Off visualization view:**



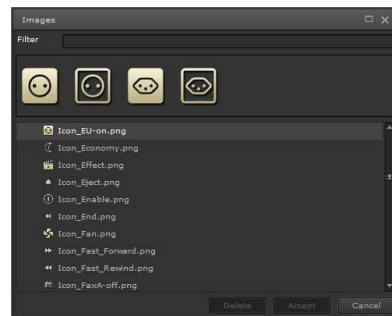
**General On/Off submenu:**



**Socket On/Off:** This element sends ON/OFF commands. The status is updated by the correspondingly configured object and/or the group address. This is displayed by a specific icon. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".



**Label:** An appropriate function designation can be entered.



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**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. General switching

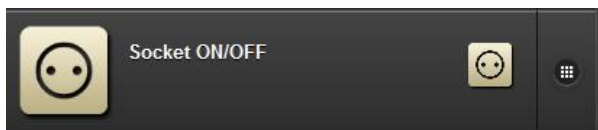
**Type:** Socket On/Off

**Confirm action:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Images:** Images for displaying the action: Off, On, invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the Socket On/Off visualization view:**

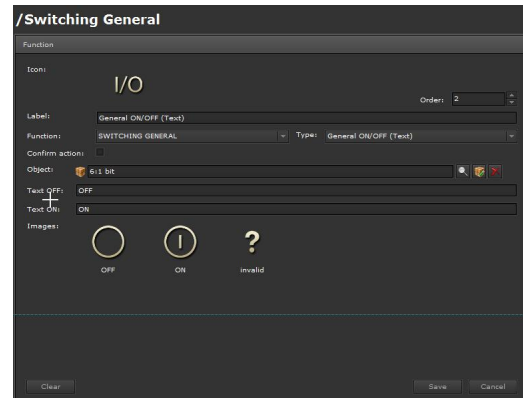


**Socket On/Off submenu:**

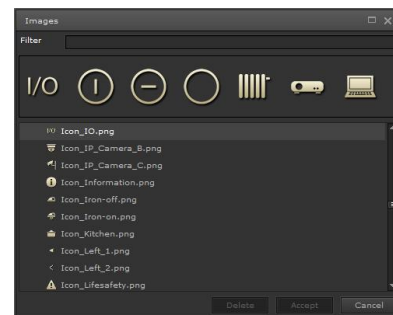


**General On/Off (text):** This element sends ON/OFF commands.

The status is updated by the correspondingly configured object and/or the group address. This is displayed by a specific icon and a text. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is preset and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".



**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. General switching.

**Type:** General On/Off (text)

**Confirm action:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Text OFF:** Display text for the OFF value/status

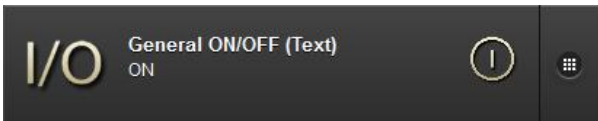
**Text ON:** Display text for the ON value/status



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**Images:** Images for displaying the action: Off, On, invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the General On/Off (text) visualization view:**

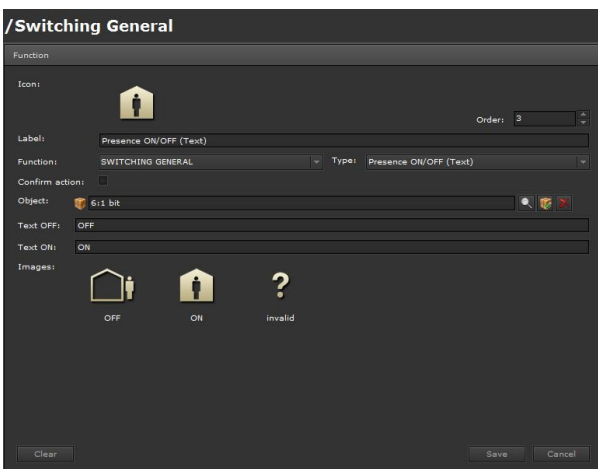


**General On/Off (text) submenu:**



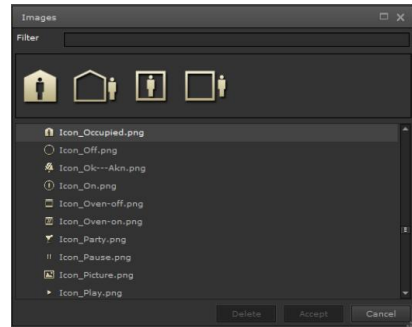
**Presence On/Off (text):** This element sends ON/OFF commands.

The status is updated by the correspondingly configured object and/or the group address. This is displayed by a specific icon and a text. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control

Center includes a wide selection of icons. Visible only in the layout setting: "aligned".



**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. General switching

**Type:** Presence On/Off (Text)

**Confirm action:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

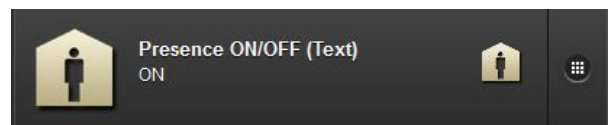
**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Text OFF:** Display text for the OFF value/status

**Text ON:** Display text for the ON value/status

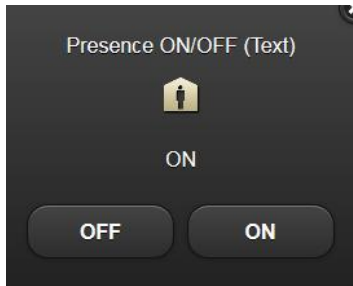
**Images:** Images for displaying the action: Off, On, invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the Presence On/Off (text) visualization view:**

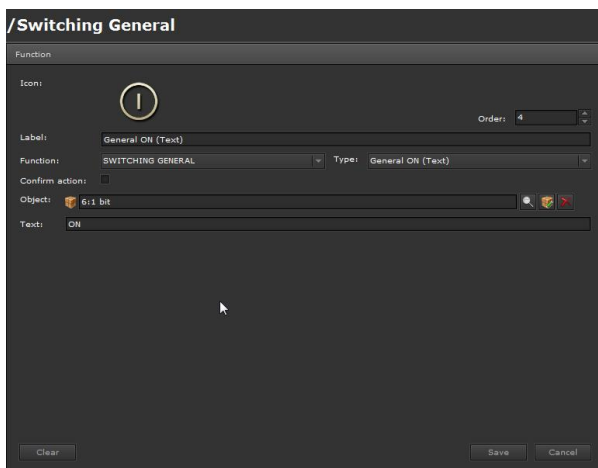


**Presence On/Off (text) submenu:**

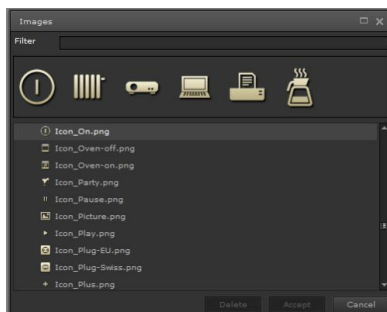
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**General On (Text):** This element sends ON commands.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons.



**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. General switching

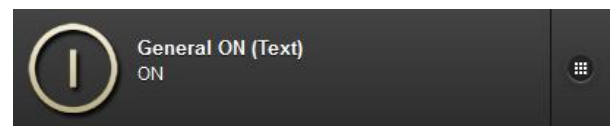
**Type:** General On (Text)

**Confirm action:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

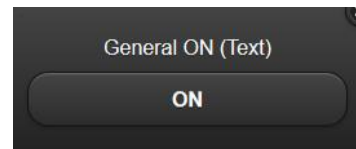
**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Text:** Display text for the ON value

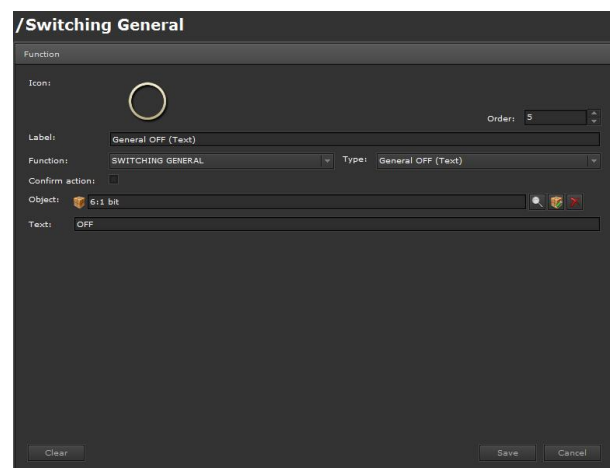
**Display of the General On (text) visualization view:**



**General On (text) submenu:**



**General Off (text):** This element sends OFF commands.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons.

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**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. General switching

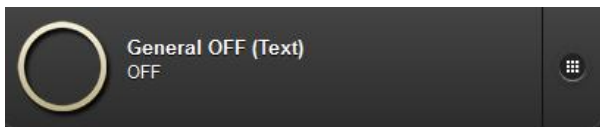
**Type:** General Off (Text)

**Confirm action:** A pop-up window is faded in for operating and for status display when this function is activated and direct control is used. This eliminates the need for a special selection of the submenu for operating and status display on the right-hand side of the function bar.

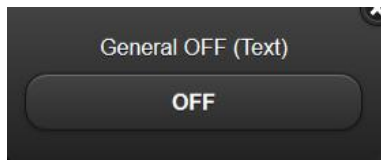
**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Text:** Display text for the Off value

**Display of the General Off (text) visualization view:**

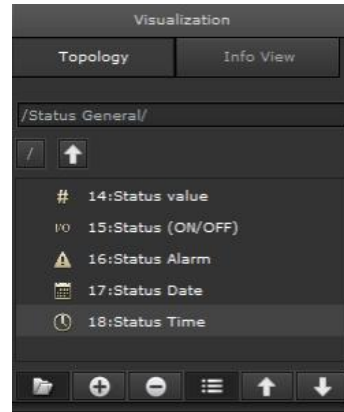


**General Off (text) submenu:**

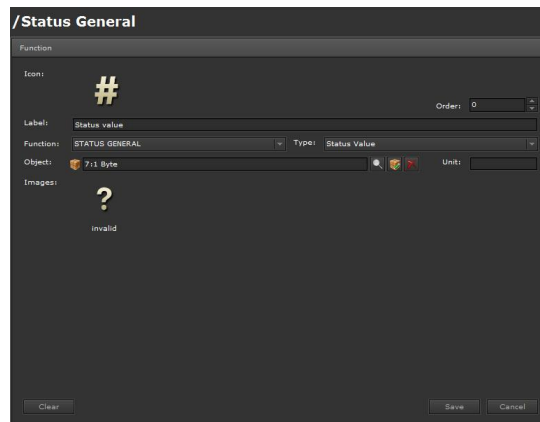


10.3.2.3 Status General

Functions are created by selecting the relevant folder and page in each case and then adding a function. Five types can be chosen from when the Status General function is selected:

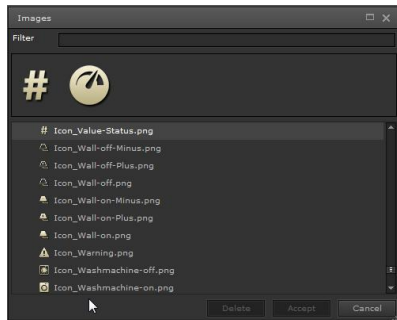


**Status value:** This element shows a status value. The status is updated by the correspondingly configured object and/or the group address. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

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**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Status General

**Type:** Status Value

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are permitted.

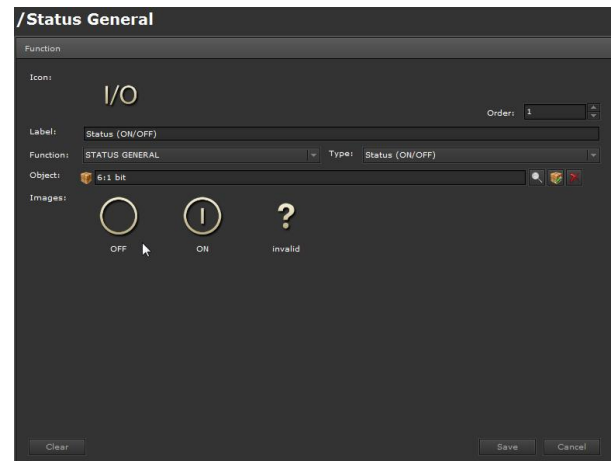
**Images:** Images for displaying the action: invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

#### Display of the Status Value visualization view:

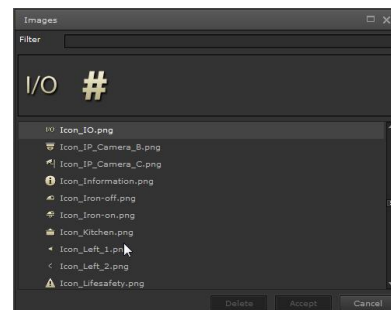


**Status (On/Off):** This element shows an On or Off status value.

The status is updated by the correspondingly configured object and/or the group address. This is displayed by a specific icon. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".



**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Status General

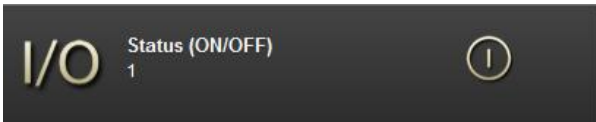
**Type:** Status (On/Off)

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

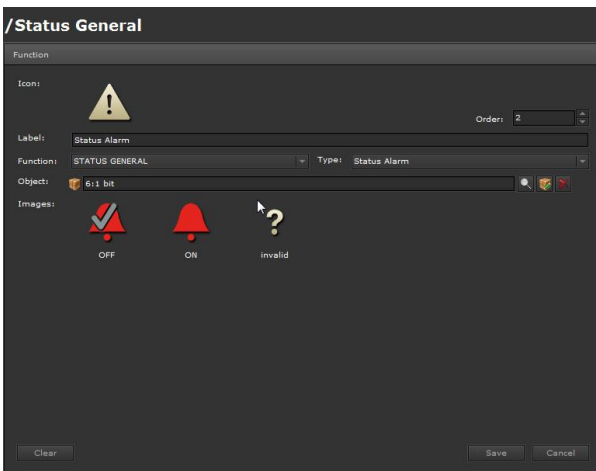
**Images:** Images for displaying the action: Off, On, invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

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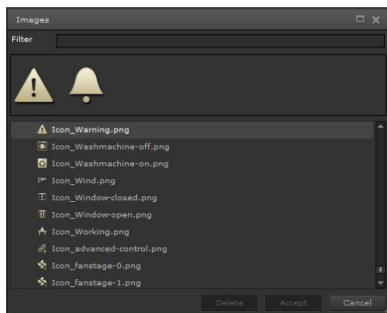
**Display of the Status (On/Off) visualization view:**



**Status Alarm:** This element shows an On or Off Alarm status value. The status is updated by the correspondingly configured object and/or the group address. This is displayed by a specific icon. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".



**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

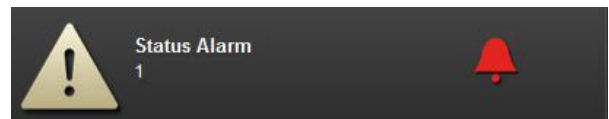
**Function:** Selection of the functional category, e.g. Status General

**Type:** Status Alarm

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

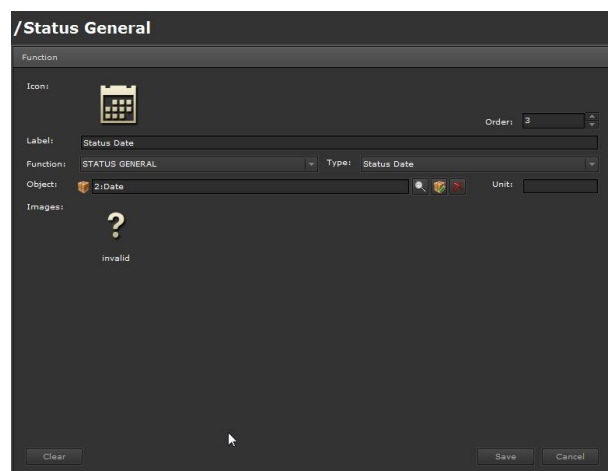
**Images:** Images for displaying the action: Off, On, invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the Status Alarm visualization view:**



**Status Date:** This element displays the date in the YYYY-MM-DD Format.

The date is updated by the correspondingly configured object and/or the group address. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons.

**Label:** An appropriate function designation can be entered.

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**Order:** This is the function's position within the operating page.

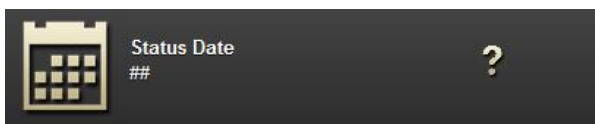
**Function:** Selection of the functional category, e.g. Status General

**Type:** Status Date

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The DPT date is permitted.

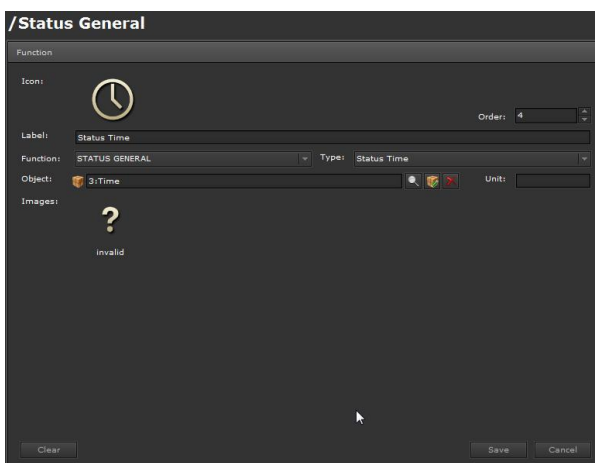
**Images:** Images for displaying the action: invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

#### Display of the Status Date visualization view:



**Status Time:** This element displays the time in the weekday, HH:MM format

The time is updated by the correspondingly configured object and/or the group address. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.



**Icon:** An icon corresponding to the function type is preset and displayed. This can be changed. The IP Control Center includes a wide selection of icons.

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

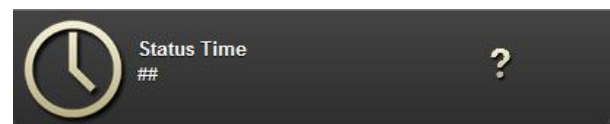
**Function:** Selection of the functional category, e.g. Status General

**Type:** Status Time

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The DPT time is permitted.

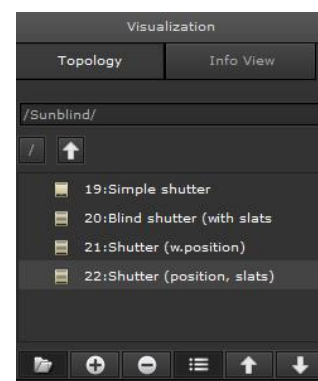
**Images:** Images for displaying the action: invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

#### Display of the Status Time visualization view:



#### 10.3.2.4 Solar Protection

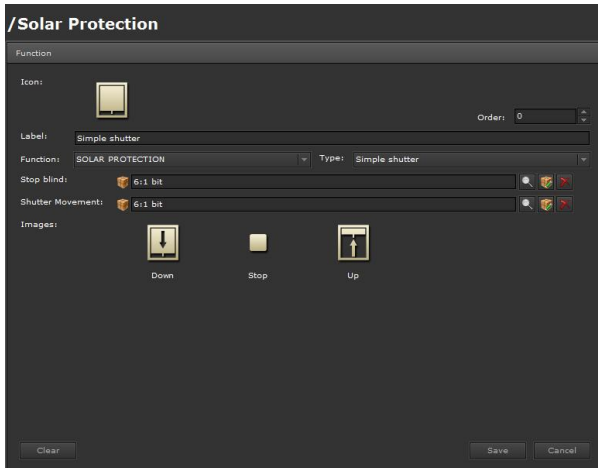
Functions are created by selecting the relevant folder and page in each case and then adding a function. 4 Types can be chosen from when the sun protection function is selected:



**Shutter:** This element sends the UP and DOWN commands to a correspondingly configured object or the group address. This element additionally sends a stop command to a correspondingly configured object or the group address.

Specific icons represent these control buttons.

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**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Solar protection

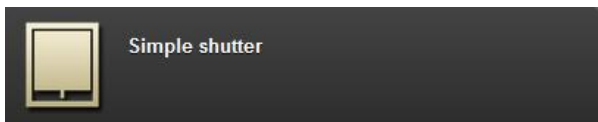
**Type:** Shutter

**Stop blind:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

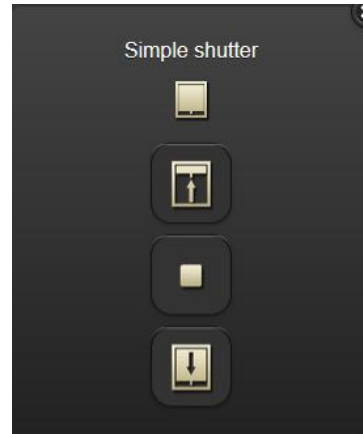
**Shutter Movement:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Images:** Images for displaying the action: Up, Down, Stop value These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the shutter visualization view:**



**Shutter submenu:**



**Blind shutter:** This element sends the UP and DOWN commands to a correspondingly configured object or the group address. This element additionally sends a stop command or the slats CLOSED or slats OPEN command to a correspondingly configured object or the group address.

Specific icons represent these control buttons.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Solar protection

**Type:** Blind shutter (with slats)



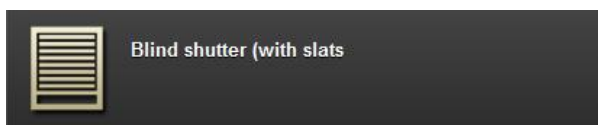
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**Stop blind:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Shutter Movement:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Images:** Images for displaying the action: Up, Down, Stop, slats open, slats closed. These can be changed. The IP Control Center includes a wide selection of icons.

## Display of the Blind shutter visualization view:



## Blind shutter submenu:

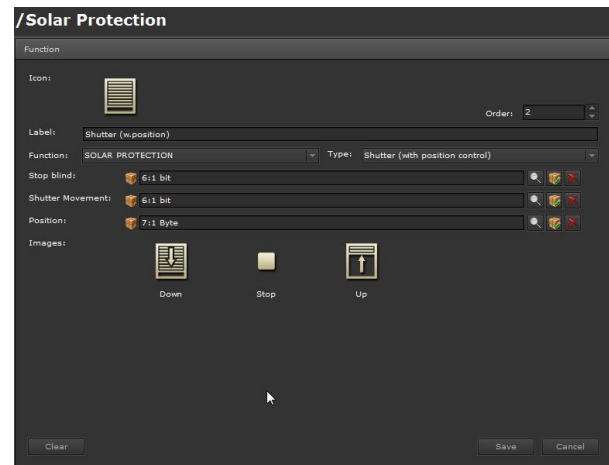


**Shutter (with position control):** This element sends the UP and DOWN commands to a correspondingly configured object or the group address. This element additionally sends a stop command to a correspondingly configured object or the group address.

Specific icons represent these control buttons.

This element shows a status for the curtain position.

The status is updated by the correspondingly configured object and/or the group address. This is displayed by a vertical slider.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Solar protection

**Type:** Shutter (with position control)

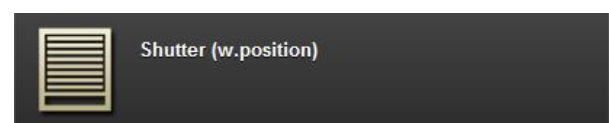
**Stop blind:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Shutter Movement:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Position:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

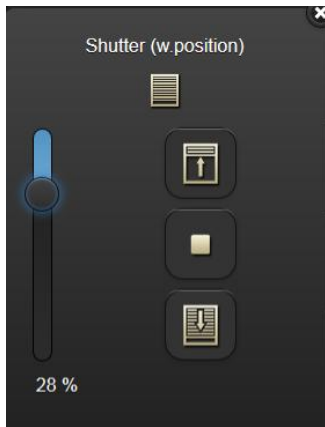
**Images:** Images for displaying the action: Up, Down, Stop. These can be changed. The IP Control Center includes a wide selection of icons.

## Display of the Shutter (with position control) visualization view:



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**Shutter (with position control) submenu:**



**Shutter (with position and slat control):** This element sends the UP and DOWN commands to a correspondingly configured object or the group address. This element additionally sends a stop command or the slats CLOSED or slats OPEN command to a correspondingly configured object or the group address. Specific icons represent these control buttons. This element shows a status for the curtain position and a status for the slat position. The statuses are updated by correspondingly configured objects or group addresses. They are displayed by vertical sliders.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Solar protection

**Type:** Shutter (with position and slat control)

**Stop blind:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Shutter Movement:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is permitted.

**Position:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

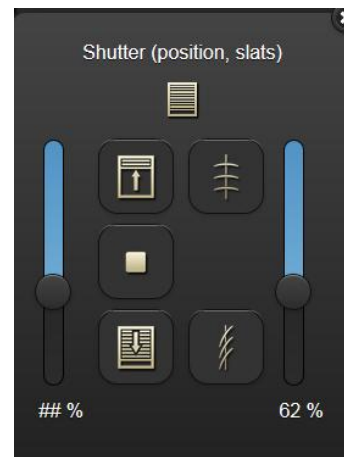
**Position of slats:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

**Images:** Images for displaying the action: Up, Down, Stop, slats open, slats closed. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the Shutter (with position and slat control) visualization view:**



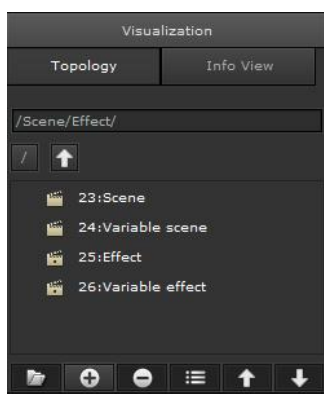
**Shutter (with position and slat control) submenu:**



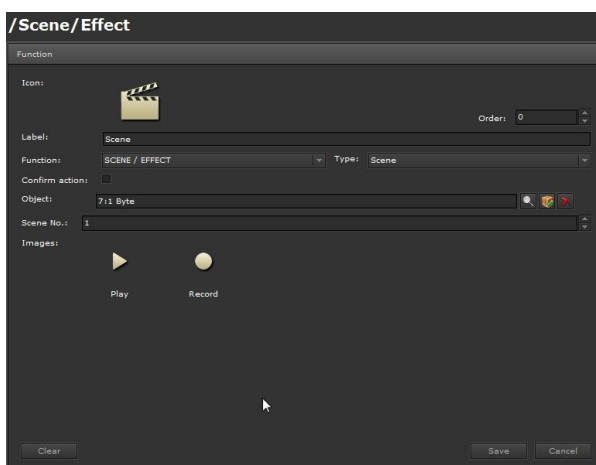
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## 10.3.2.5 Scene / Effect

Functions are created by selecting the relevant folder and page in each case and then adding a function. 4 Types can be chosen from when the Scene / Effect function is selected:



**Scene:** This element uses a scene number to control a scene. The scene number is sent by a correspondingly configured object and/or the group address. This object or group address is additionally used to save the scene. Specific icons represent these control buttons.



**Icon:** An icon corresponding to the function type is preset and displayed. This can be changed. The IP Control Center includes a wide selection of icons.

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Scene / effect

**Type:** Scene

**Confirm action:** A pop-up window is faded in for operating when this function is activated and direct control is used. This eliminates the need for a special selection of the operating submenu on the right-hand side of the function bar.

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

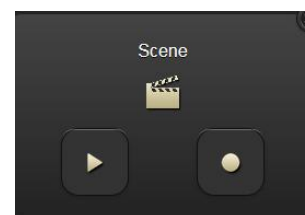
**Scene No.:** Number of the scene to be opened or saved

**Images:** Images for displaying the action: Opening a scene number and saving a scene. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the scene visualization view:**



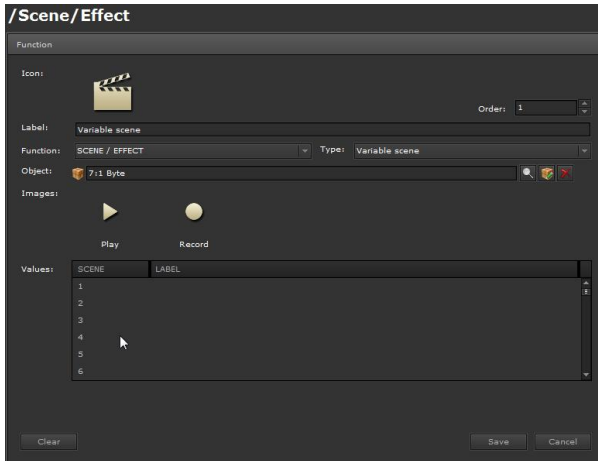
**Scene submenu:**



**Variable scene:** This element uses scene numbers to control various scenes. The scene numbers are sent by a correspondingly configured object and/or the group address. This object or group address is additionally used to save the scenes.

Specific icons represent these control buttons.

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**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Scene / effect

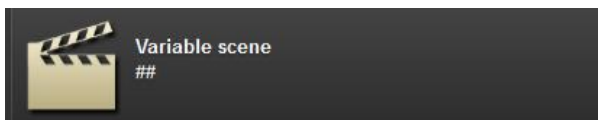
**Type:** Variable Scene

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

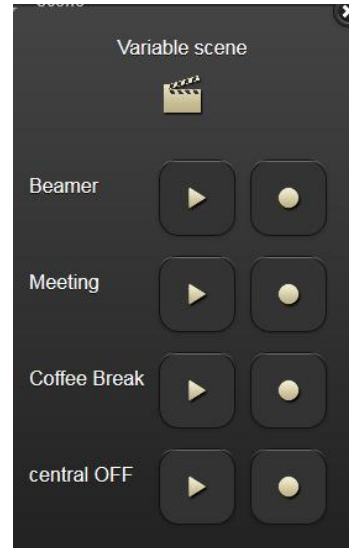
**Images:** Images for displaying the action: Accessing the scene numbers and saving the scenes. These can be changed. The IP Control Center includes a wide selection of icons.

**Values:** The relevant scene numbers are selected in this field. 64 Scenes can be used. A suitable scene name is entered in the "Label" field. All scenes saved with an entry in the label field are displayed in the visualization view with their scene names for selection.

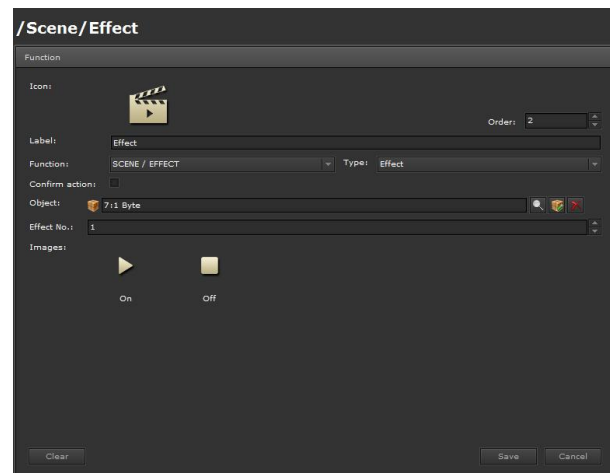
**Display of the Variable scene visualization view:**



**Variable scene submenu:**



**Effect:** This element uses an effect number to control an effect. The effect number is started by a correspondingly configured object and/or the group address. This object or group address is additionally used to stop the effect. Specific icons represent these control buttons.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons.

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Scene / effect

**Type:** Effect

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**Confirm action:** A pop-up window is faded in for operating when this function is activated and direct control is used. This eliminates the need for a special selection of the operating submenu on the right-hand side of the function bar.

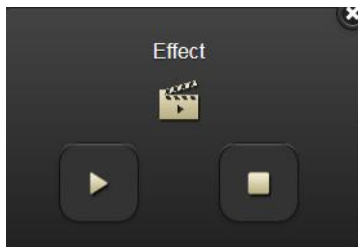
**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

**Effect No.:** Number of the effect to be started or Stopped  
**Images:** Images for displaying the action: Starting and Stopping an effect. These can be changed. The IP Control Center includes a wide selection of icons.

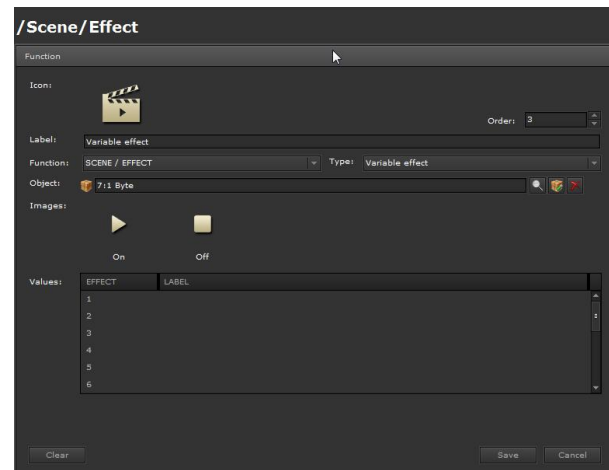
#### Display of the Effect visualization view:



#### Effect submenu:



**Variable Effect:** This element controls various effects by using their effect numbers. The effect numbers are started by a correspondingly configured object and/or the group address. This object or group address is additionally used to stop the effects. Specific icons represent these control buttons.



**Icon:** An icon corresponding to the function type is pre-set and displayed. This can be changed. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Scenes / effect

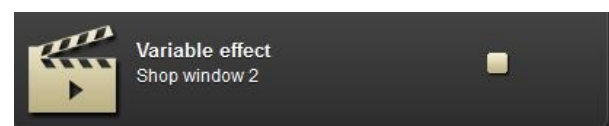
**Type:** Variable effect

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is permitted.

**Images:** Images for displaying the action: Starting the effect numbers and Stopping the effects. These can be changed. The IP Control Center includes a wide selection of icons.

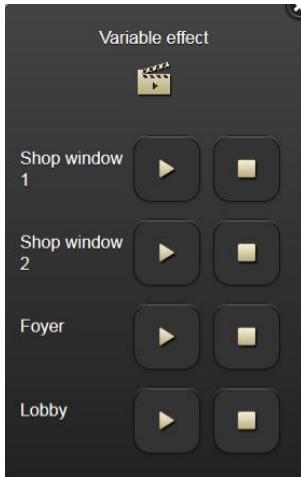
**Values:** The relevant effect numbers are selected in this field. 16 effects can be used. A suitable effect name is entered in the "Label" field. All effects saved with an entry in the label file are displayed in the visualization view with their effect names for selection.

#### Display of the variable effect visualization view:



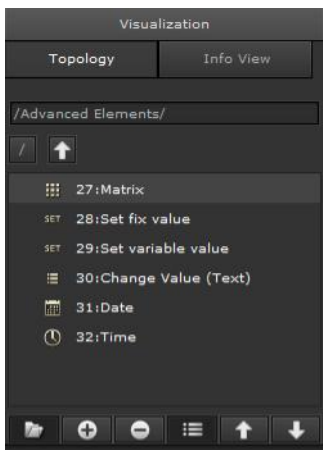
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**Variable effect submenu:**



10.3.2.6 Advanced elements

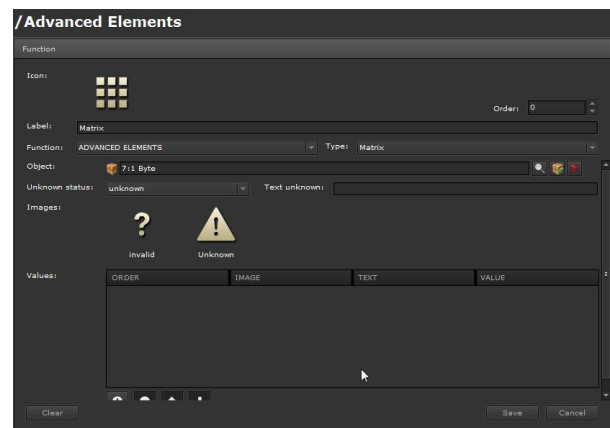
Functions are created by selecting the relevant folder and page in each case and then adding a function. 6 Types can be chosen from when the Advanced Elements function is selected:



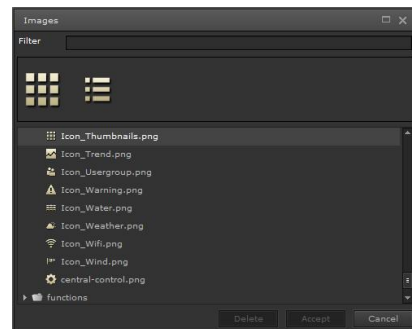
**Matrix:** This element sends various values based on a predefined list. The position, the suitable image for the entry, a specific text for the entry and the actual sending value are defined in this list. The linked object or the group address is used to transmit the selected value. The status is updated by the correspondingly configured object and/or the group address. The object remains in the "invalid" state until a status value is received. This is

indicated by the icon being displayed as a question mark.

A predefined status can be displayed if the status value received does not match any of the values stored in the list. You can choose from the following: "unknown", "higher range", "lower range", "don't show", and "closest value":



**Image:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".



**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Advanced elements

**Type:** Matrix

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported.

**Unknown status:** If the status value is received but not in the predefined list, it can be defined as follows:

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- **Unknown:** a corresponding image is displayed, a display text can be defined.
- **Higher range:** the higher value in the list is displayed
- **Lower range:** the lower value in the list is displayed
- **Don't show:** nothing is displayed
- **Closest value:** the next value in the list is displayed

**Images:** Images for display: invalid value or unknown value. These can be changed. The IP Control Center includes a wide selection of icons.

**Values:** The different values are entered in this field as a list. 20 entries can be defined. A relevant image can be set and a suitable text defined for every value entry. All of the entries are displayed in the visualization view along with their associated image and text.

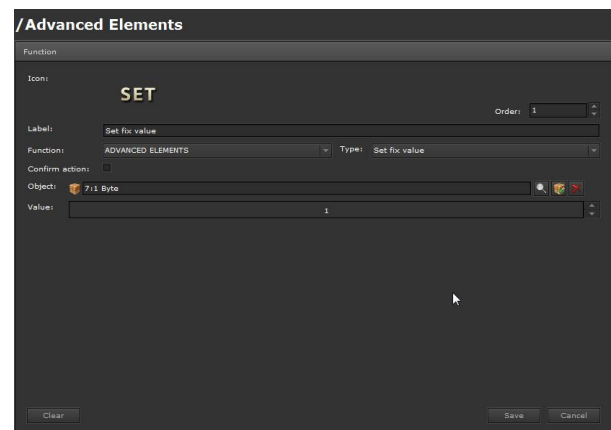
**Display of the Matrix visualization view:**



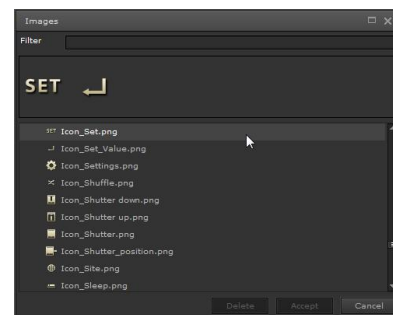
**Matrix submenu:**



**Set fix value:** This element sends a fixed default value. The value range of this value depends on the data point type assigned to the linked object or to the group address.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons.



**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Advanced elements

**Type:** Set fix value

**Confirm action:** A pop-up window is faded in for operating when this function is activated and direct control is used. This eliminates the need for a special selection of the operating submenu on the right-hand side of the function bar.

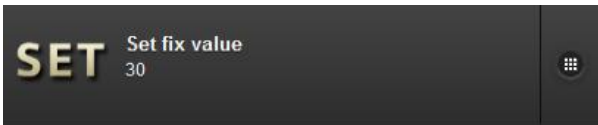
**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported.



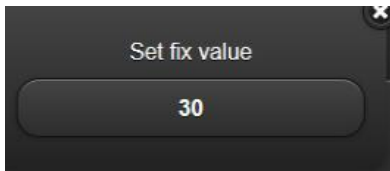
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**Value:** The value to be sent is set in this field.

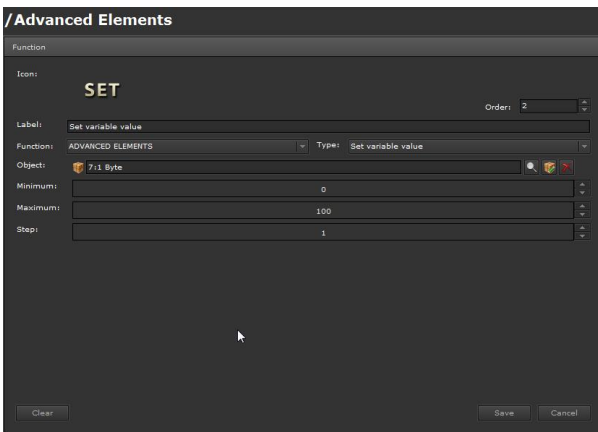
Display of the "Send fix value" visualization view:



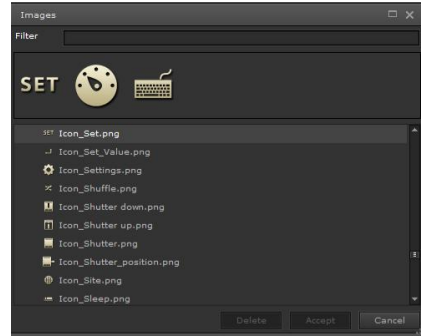
„Send fix value" submenu:



**Set variable value:** This element sends an adjustable analog value. The step width for adjusting the analog value can be set: The value range of this analog value depends on the data point type assigned to the linked object or to the group address. Range limits for a minimum and a maximum value can be defined within this value range. Solely those values located within these range limits will be sent.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons.



**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Advanced elements

**Type:** Set variable value

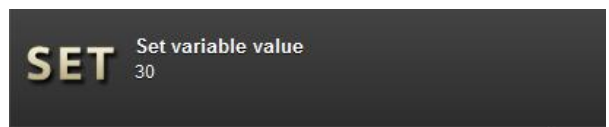
**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 4 bit, 1-byte, 2-byte, and 4 Byte DPTs are supported.

**Minimum:** Lower value limit of the value range to be sent

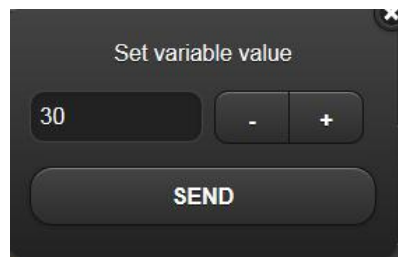
**Maximum:** Upper value limit of the value range to be sent

**Step:** Adjustable step width for increasing or reducing the analog value to be sent

Display of the "Send variable value" visualization view:

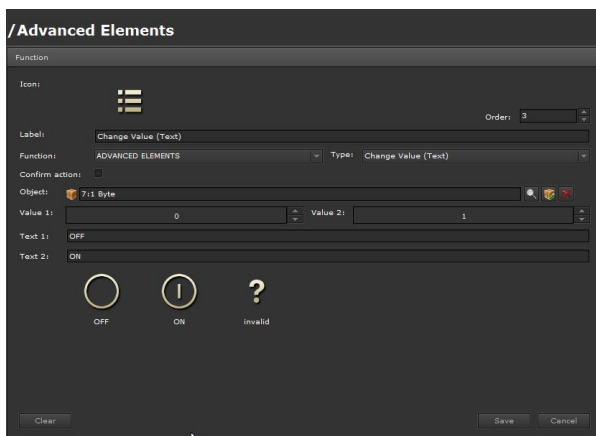


"Send variable value" submenu:



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**Change Value (Text):** This element switches between two fixed default values. The value range of these values depends on the data point type assigned to the linked object or to the group address.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons.

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Advanced elements

**Type:** Switch between values (text)

**Confirm action:** A pop-up window is faded in for operating when this function is activated and direct control is used. This eliminates the need for a special selection of the operating submenu on the right-hand side of the function bar.

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported.

**Value 1:** The first value to be sent is set in this field.

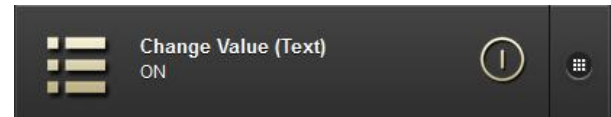
**Value 2:** The second value to be sent is set in this field.

**Text 1:** Input of a descriptive text for the first value to be sent.

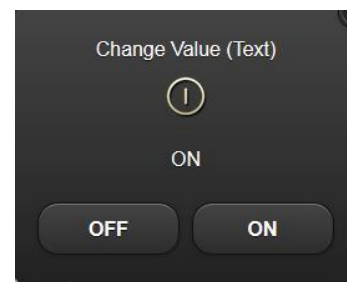
**Text 2:** Input of a descriptive text for the second value to be sent.

**Images for displaying the action:** send first value, send second value, invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

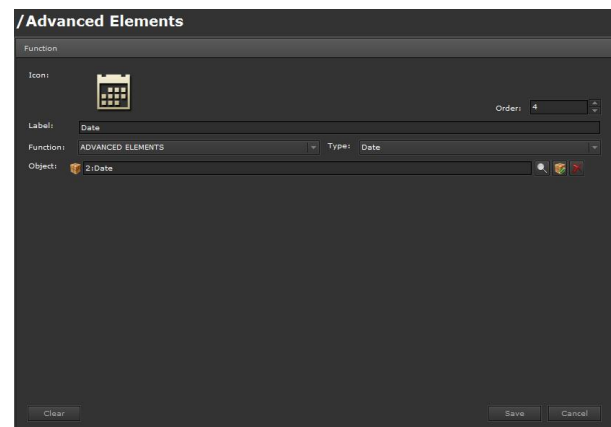
**Display of the "Change Value (Text)" visualization view:**



**"Switch between values" submenu (text):**



**Date:** This element displays the date value. The date is updated by the correspondingly configured object and/or the group address.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons.

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Advanced elements

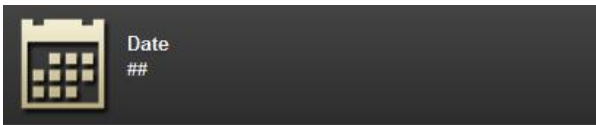
**Type:** Date

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower

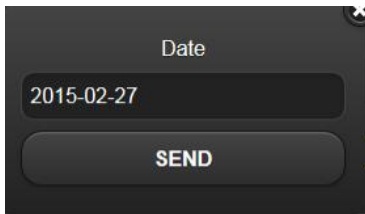
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left area of the Smart Editor using Drag & Drop. The DPT date is supported.

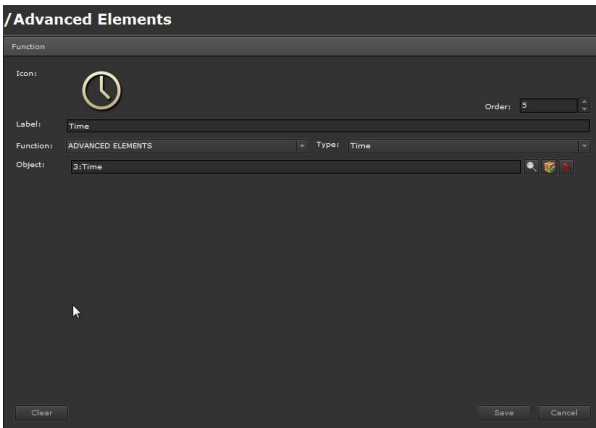
**Display of the Date visualization view:**



**Date submenu:**



**Time:** This element displays the time value. The time is updated by the correspondingly configured object and/or the group address.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons.

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Advanced elements

**Type:** Time

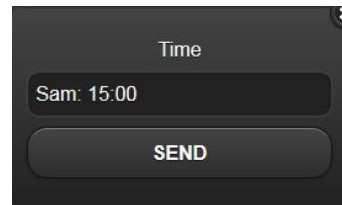
**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower

left area of the Smart Editor using Drag & Drop. The DPT time is supported.

**Display of the Time visualization view:**

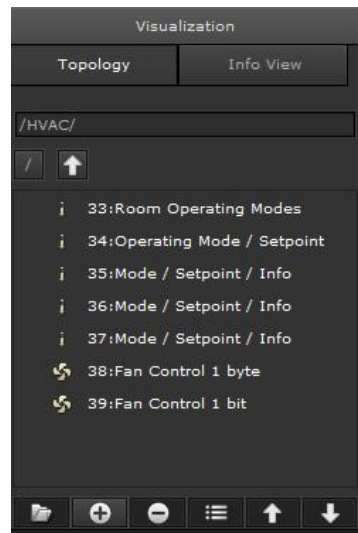


**Time submenu:**



10.3.2.7 HVAC

Functions are created by selecting the relevant folder and page in each case and then adding a function. 7 Types can be chosen from when the HVAC function is selected:

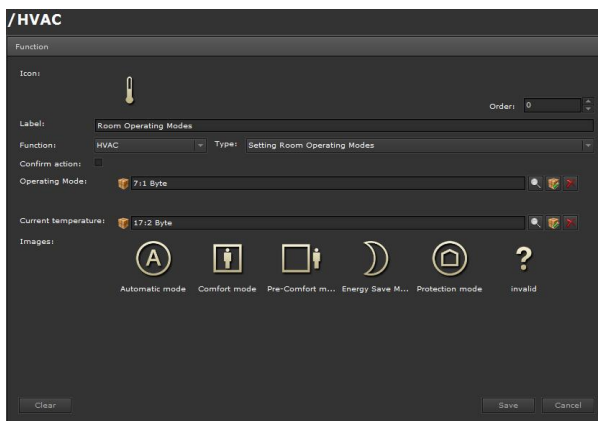


**Room Operating Modes:** This element is used to control the room temperature. Room mode or automatic mode is set. The linked 1-byte object or the group ad-

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dress is used to transmit the corresponding value. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.

The current room temperature is displayed in this element. The linked 2-byte floating point object or the group address is used to update the measured value received.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. HVAC

**Type:** Setting Room Operating Modes

**Confirm action:** A pop-up window is faded in for operating when this function is activated and direct control is used. This eliminates the need for a special selection of the operating submenu on the right-hand side of the function bar.

**Operating Mode:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is supported. The following values are transmitted for the mode changes:

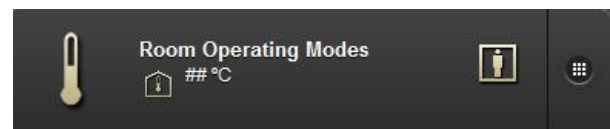
- Automatic mode (Value = 0)
- Comfort mode (Value = 1)
- Pre-comfort mode (Value = 2)
- Energy-saving mode (Value = 3)
- Protection mode (Value = 4)

The last active mode is retained if a value other than 0...4 is received.

**Current temperature:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 2-byte floating point DPT is supported. The current room temperature is displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

**Images:** Images for display: the modes or invalid value. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the Room Operating Modes visualization view:**



**Room Operating Modes submenu:**

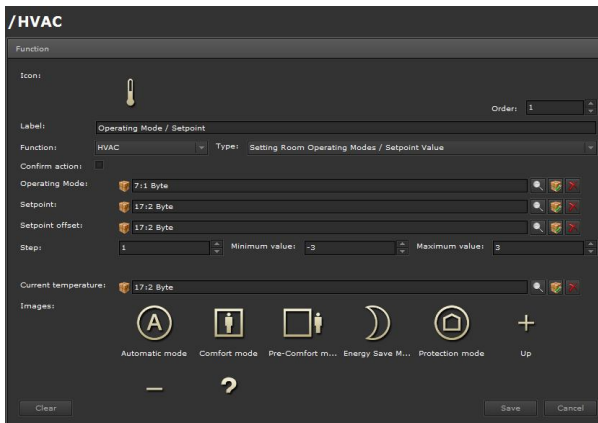


**Room Operating Modes / Setpoint Value:** This element is used to control the room temperature. Room mode or automatic mode is set. The linked 1-byte object or the group address is used to transmit the corresponding value. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.

The current target temperature is displayed in this element as it is received by the room temperature control-

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ler. The linked 2-byte floating point object or the group address is used to update the measured value received. The element is also used to shift the target temperature value. The range limits of the target value displacement can be set with a minimum value and a maximum value. The step width for the target value displacement setting can also be defined. The linked 2-byte floating point object or the group address is used to transmit the corresponding value. The current room temperature is displayed in this element. The linked 2-byte floating point object or the group address is used to update the measured value received.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".  
**Label:** An appropriate function designation can be entered.  
**Order:** This is the function's position within the operating page.  
**Function:** Selection of the functional category, e.g. HVAC.  
**Type:** Setting Room Operating Modes / Setpoint Value  
**Confirm action:** A pop-up window is faded in for operating when this function is activated and direct control is used. This eliminates the need for a special selection of the operating submenu on the right-hand side of the function bar.  
**Operating Mode:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is supported. The following values are transmitted for the mode changes:

- Automatic mode (Value = 0)
- Comfort mode (Value = 1)
- Pre-comfort mode (Value = 2)
- Energy-saving mode (Value = 3)
- Protection mode (Value = 4)

The last active mode is retained if a value other than 0...4 is received.

**Setpoint:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 2-byte floating point DPT is supported. The value content for the target room temperature is received and displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

**Setpoint offset:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 2-byte floating point DPT is supported. The set target value displacement is transmitted.

**Step:** Step width setting for changing the target value displacement

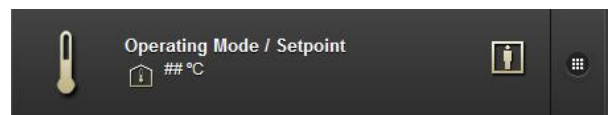
**Minimum value:** Lower target limit setting within which the target value can be shifted.

**Maximum value:** Upper target limit setting within which the target value can be shifted.

**Current temperature:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 2-byte floating point DPT is supported. The current room temperature is displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

**Images:** Images for display: the modes or invalid value and for setting the target value displacement. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of Room Operating Modes / Setpoint Value setting visualization view:**



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## Room Operating Modes / Setpoint Value setting submenu:



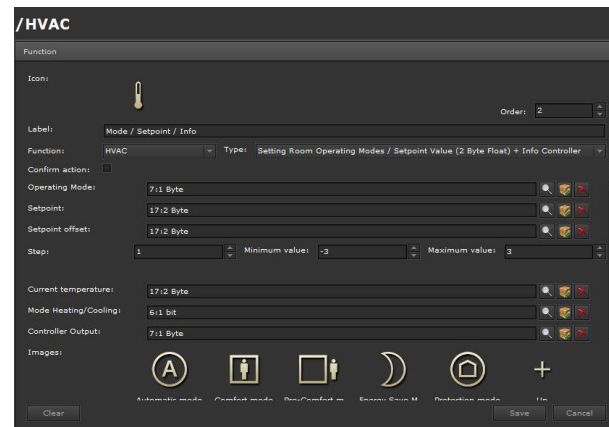
**Room Operating Modes / Setpoint Value (2 Byte float) / Info Controller:** This element is used to control the room temperature. Room mode or automatic mode is set. The linked 1-byte object or the group address is used to transmit the corresponding value. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.

The current target temperature is displayed in this element as it is received by the room temperature controller. The linked 2-byte floating point object or the group address is used to update the measured value received. The element is also used to shift the target temperature value. The range limits of the target value displacement can be set with a minimum value and a maximum value. The step width for the target value displacement setting can also be defined. The linked 2-byte floating point object or the group address is used to transmit the corresponding value.

The current room temperature is displayed in this element. The linked 2-byte floating point object or the group address is used to update the measured value received.

The heating and/or cooling mode is displayed in this element. The linked 1-bit object or the group address is used to update the measured value received. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.

The corresponding correcting variable for heating and/or cooling mode is displayed in this element. The linked 1-byte object or the group address is used to update the measured value received.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. HVAC

**Type:** Setting Room Operating Modes / Setpoint Value (2 Byte float) / Info Controller

**Confirm action:** A pop-up window is faded in for operating when this function is activated and direct control is used. This eliminates the need for a special selection of the operating submenu on the right-hand side of the function bar.

**Operating Mode:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is supported. The following values are transmitted for the mode changes:

- Automatic mode (Value = 0)
- Comfort mode (Value = 1)
- Pre-comfort mode (Value = 2)
- Energy-saving mode (Value = 3)
- Protection mode (Value = 4)

The last active mode is retained if a value other than 0...4 is received.

**Setpoint:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 2-byte floating point DPT is supported. The value content for the target room temperature is received and displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.



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**Setpoint offset:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 2-byte floating point DPT is supported. The set target value displacement is transmitted.

**Step:** Step width setting for changing the target value displacement

**Minimum value:** Lower target limit setting within which the target value can be shifted.

**Maximum value:** Upper target limit setting within which the target value can be shifted.

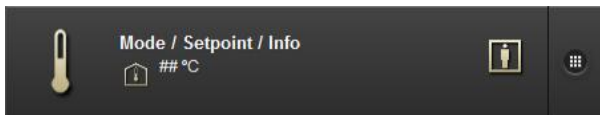
**Current temperature:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 2-byte floating point DPT is supported. The current room temperature is displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

**Mode Heating/Cooling:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is supported. The heating or cooling mode is displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

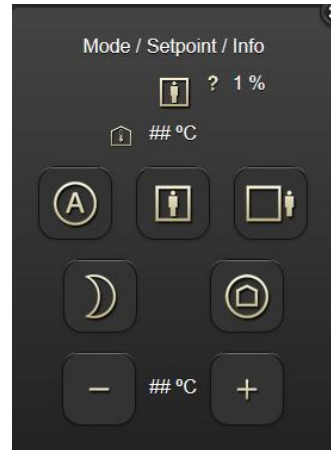
**Controller output:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is supported. The correcting variable for heating or cooling is displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

**Images:** Images for display: the modes or invalid value and those for setting the target value displacement and heating and/or cooling mode. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the visualization view for Room Operating Modes / Setpoint Value Setting (2 Byte float) / Info Controller:**



**Submenu for Room Operating Modes / Setpoint Value Setting (2 Byte float) / Info Controller:**



**Room Operating Modes / Setpoint Value (1 Bit) / Info**

**Controller:** This element is used to control the room temperature. Room mode or automatic mode is set. The linked 1-byte object or the group address is used to transmit the corresponding value. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.

The current target temperature is displayed in this element as it is received by the room temperature controller. The linked 2-byte floating point object or the group address is used to update the measured value received.

The element is also used to shift the target temperature value. The range limits of the target value displacement can be set with a minimum value and a maximum value. The step width for the target value displacement setting can also be defined. The linked 1 Bit object or the group address is used to transmit the corresponding value.

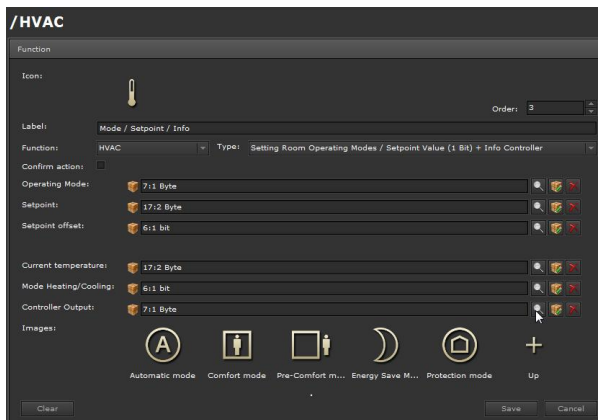
The current room temperature is displayed in this element. The linked 2-byte floating point object or the group address is used to update the measured value received.

The heating and/or cooling mode is displayed in this element. The linked 1 Bit object or the group address is used to update the measured value received. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.

The corresponding correcting variable for heating and/or cooling mode is displayed in this element. The linked 1-byte object or the group address is used to update the measured value received.



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**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. HVAC.

**Type:** Room Operating Modes / Setpoint Value (1 Bit) / Info Controller

**Confirm action:** A pop-up window is faded in for operating when this function is activated and direct control is used. This eliminates the need for a special selection of the operating submenu on the right-hand side of the function bar.

**Operating Mode:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is supported. The following values are transmitted for the mode changes:

- Automatic mode (Value = 0)
- Comfort mode (Value = 1)
- Pre-comfort mode (Value = 2)
- Energy-saving mode (Value = 3)
- Protection mode (Value = 4)

The last active mode is retained if a value other than 0...4 is received.

**Setpoint:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 2-byte floating point DPT is supported. The value content for the target room temperature is received and displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

**Setpoint offset:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 Bit DPT is supported. The set target value displacement is transmitted.

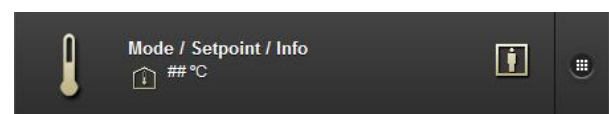
**Current temperature:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 2-byte floating point DPT is supported. The current room temperature is displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

**Mode Heating/Cooling:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is supported. The heating or cooling mode is displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

**Controller output:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is supported. The correcting variable for heating or cooling is displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

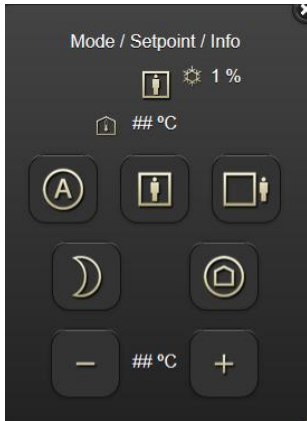
**Images:** Images for display: the modes or invalid value and those for setting the target value displacement and heating and/or cooling mode. These can be changed. The IP Control Center includes a wide selection of icons.

#### Display of the visualization view for Room Operating Modes / Setpoint Setting (1 Bit) / Info Controller:



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**Submenu for Room Operating Modes / Setpoint Value Setting (1 Bit) / Info Controller:**



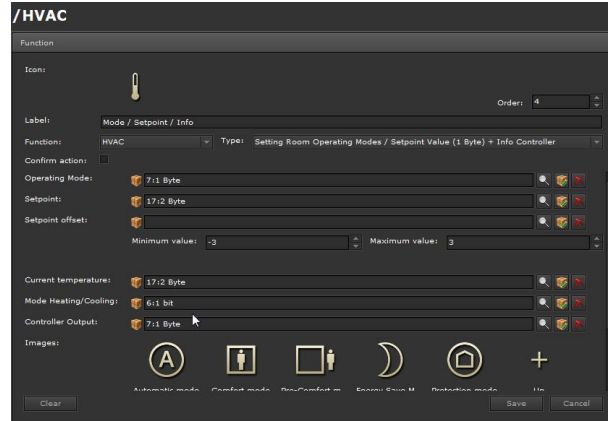
**Room Operating Modes / Setpoint Value (1 Byte) / Info Controller:** This element is used to control the room temperature. Room mode or automatic mode is set. The linked 1-byte object or the group address is used to transmit the corresponding value. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.

The current target temperature is displayed in this element as it is received by the room temperature controller. The linked 2-byte floating point object or the group address is used to update the measured value received. The element is also used to shift the target temperature value. The range limits of the target value displacement can be set with a minimum value and a maximum value. The step width for the target value displacement setting can also be defined. The linked 1-byte object or the group address is used to transmit the corresponding value.

The current room temperature is displayed in this element. The linked 2-byte floating point object or the group address is used to update the measured value received.

The heating and/or cooling mode is displayed in this element. The linked 1 Bit object or the group address is used to update the measured value received. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.

The corresponding correcting variable for heating and/or cooling mode is displayed in this element. The linked 1-byte object or the group address is used to update the measured value received.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. HVAC

**Type:** Room Operating Modes / Setpoint Value (1 Byte) / Info Controller

**Confirm action:** A pop-up window is faded in for operating when this function is activated and direct control is used. This eliminates the need for a special selection of the operating submenu on the right-hand side of the function bar.

**Operating Mode:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is supported. The following values are transmitted for the mode changes:

- Automatic mode (Value = 0)
- Comfort mode (Value = 1)
- Pre-comfort mode (Value = 2)
- Energy-saving mode (Value = 3)
- Protection mode (Value = 4)

The last active mode is retained if a value other than 0...4 is received.

**Setpoint:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 2-byte floating point DPT is supported. The value content for the target room temperature is received and displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

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**Setpoint Offset:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is supported. The set target value displacement is transmitted.

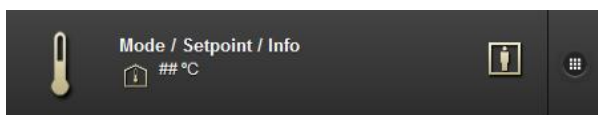
**Current temperature:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 2-byte floating point DPT is supported. The current room temperature is displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

**Mode Heating/Cooling:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is supported. The heating or cooling mode is displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

**Controller output:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is supported. The correcting variable for heating or cooling is displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

**Images:** Images for display: the modes or invalid value and those for setting the target value displacement and heating and/or cooling mode. These can be changed. The IP Control Center includes a wide selection of icons.

**Display of the visualization view for Room Operating Modes / Setpoint Value Setting (1-byte) / Info Controller:**

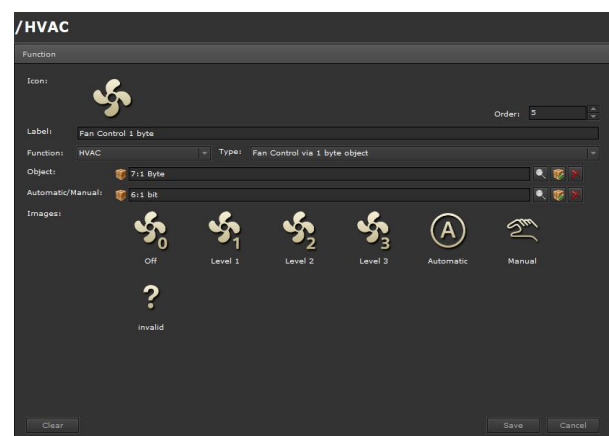


**Submenu for Room Operating Modes / Setpoint Value Setting (1-byte) / Info Controller:**



**Fan Control via 1 byte object:** This element is used to control the fan speed for fan-coil devices. The fan speed (0..3) and/or automatic mode is set in manual mode. The linked 1-byte object or the group address is used to transmit the corresponding value. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.

The element is also used to switch from automatic mode to manual mode and vice versa. The linked 1 bit object or the group address is used to transmit or update the corresponding value.



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**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. HVAC

**Type:** Fan Control via 1-byte object

**Object:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1-byte DPT is supported. The values for the fan speeds are transmitted:

- Fan OFF (Value = 0)
- Fan speed 1 (Value = 1)
- Fan speed 2 (Value = 2)
- Fan speed 3 (Value = 3)

The value content for the fan speed is received and displayed. No information appears in the visualization view unless an object or a group address has been allocated to it.

**Automatic/manual:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is supported. The following values are transmitted:

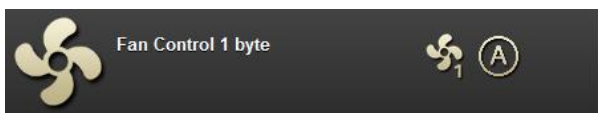
- Manual mode (Value = 0)
- Automatic mode (Value = 1)

Manual or automatic mode are displayed.

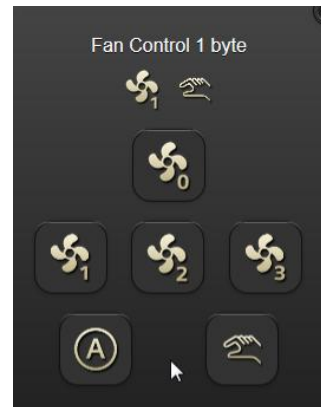
No information appears in the visualization view unless an object or a group address has been allocated to it.

**Images:** Images for display: the fan speeds or invalid value and those for setting manual or automatic mode. These can be changed. The IP Control Center includes a wide selection of icons.

**Using a 1-byte object to display the Fan Control visualization view**

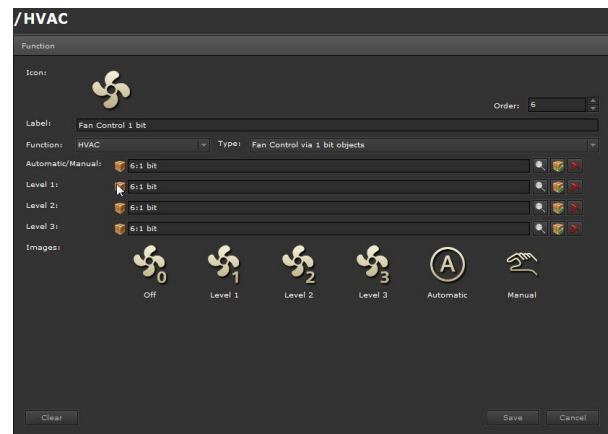


**Submenu for Fan control via 1-byte object**



**Fan Control via 1 bit objects:** This element is used to control the fan speed for fan-coil devices. The fan speed (0..3) and/or automatic mode is set in manual mode. The linked 1 bit object or the group address is used to activate the setting. The object remains in the "invalid" state until a status value is received. This is indicated by the icon being displayed as a question mark.

The element is also used to switch from automatic mode to manual mode and vice versa. The linked 1 bit object or the group address is used to transmit or update the corresponding value.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

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**Function:** Selection of the functional category, e.g. HVAC

**Type:** Fan control via 1 bit objects

**Automatic/manual:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is supported. The following values are transmitted:

- Manual mode (Value = 0)
- Automatic mode (Value = 1)

Manual or automatic mode are displayed.

No information appears in the visualization view unless an object or a group address has been allocated to it.

**Level 1:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is supported.

- Fan speed 1 (Value = 1)

**Level 2:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is supported.

- Fan speed 2 (Value = 1)

**Level 3:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. The 1 bit DPT is supported.

- Fan speed 3 (Value = 1)

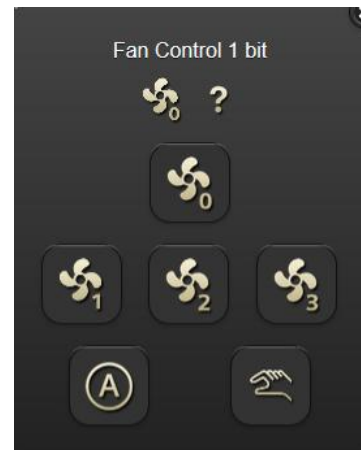
When switching from one fan speed to another, the initial value is first set to "0" and then the desired fan speed set to "1".

**Images:** Images for display: the fan speeds or invalid value and those for setting manual or automatic mode. These can be changed. The IP Control Center includes a wide selection of icons.

**Using 1 Bit objects to display the Fan Control visualization view**

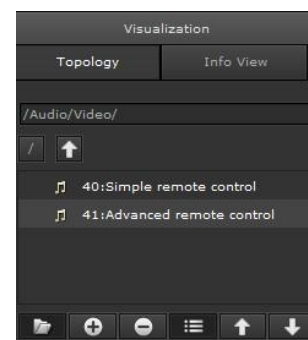


## Submenu for Fan control via 1 bit objects



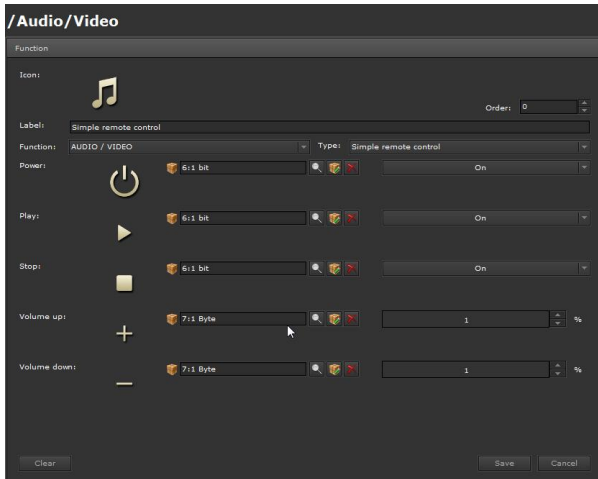
## 10.3.2.8 Audio / Video

Functions are created by selecting the relevant folder and page in each case and then adding a function. 2 Types can be chosen from when the Audio/Video function is selected:



**Simple remote control:** This element is used for the remote control of various Audio/Video basic functions. This is achieved by sending various values via the corresponding linked object or group address. Every basic function has its own object or its own group address. The DPT must be individually selected for each function. Values are preset in accordance with this link or can be set within the relevant value range.

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**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Audio/Video

**Type:** Simple remote control

**Power:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**Play:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**Stop:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**Volume up:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

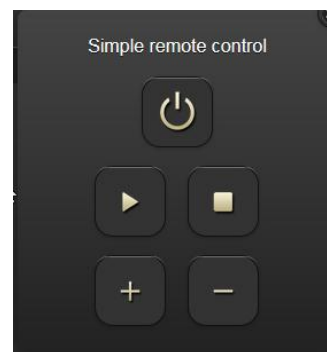
**Volume down:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

The images for displaying the simple audio/video functions can be changed. The IP Control Center includes a wide selection of icons.

Display of the Simple Remote Control visualization view:



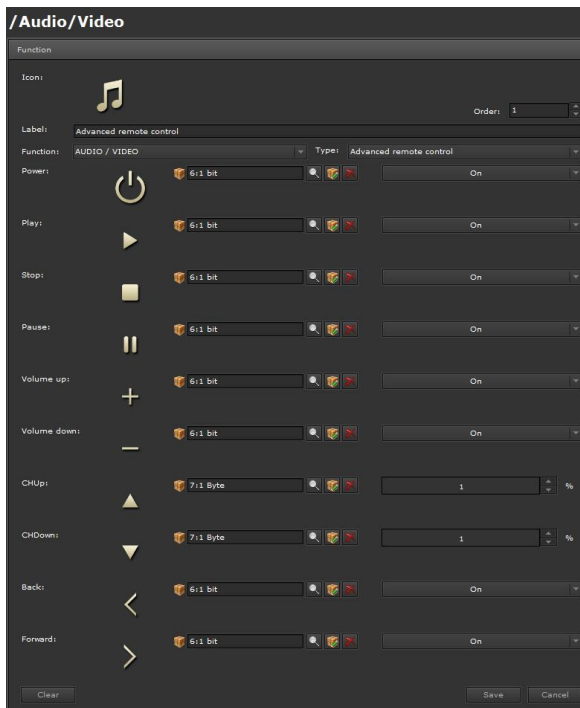
Simple Remote Control submenu:



**Advanced remote control:** This element is used for the remote control of various Audio/Video functions (basic functions + advanced functions). This is achieved by sending various values via the corresponding linked object or group address. Every function has its own object or its own group address. The DPT must be individually selected for each function. Values are preset in accordance with this link or can be set within the relevant value range.



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**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons. Visible only in the layout setting: "aligned".

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. Audio/Video

**Type:** Advanced remote control

**Power:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**Play:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**Stop:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**Pause:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**Volume up:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**Volume down:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**CHUp:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**CHDown:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**Back:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**Forward:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**AV:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

**Mute:** Link to a communication object, virtual object or group address. This can be assigned from the lower left area of the Smart Editor using Drag & Drop. All of the DPTs are supported. The values can be set individually.

The images for displaying the audio/video functions can be changed. The IP Control Center includes a wide selection of icons.

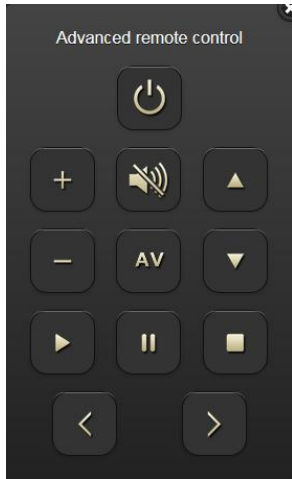
#### Display of the Advanced Remote Control visualization view:





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**Advanced Remote Control submenu:**

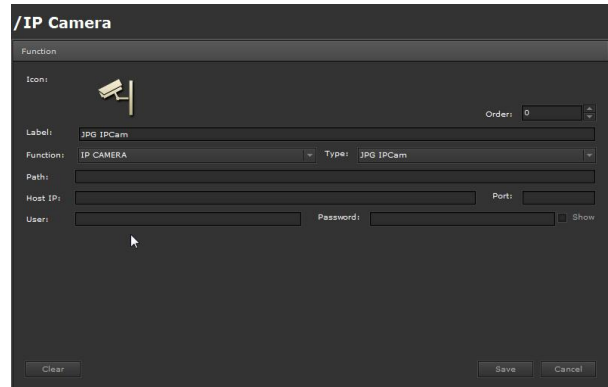


10.3.2.9 IP Camera

Functions are created by selecting the relevant folder and page in each case and then adding a function. 2 Types can be chosen from when the IP Camera function is selected:



**JPG IPCam:** This element displays images of JPG IP cameras.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons.

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. IP camera

**Type:** JPG IPCam

**Path:** Path setting for the camera

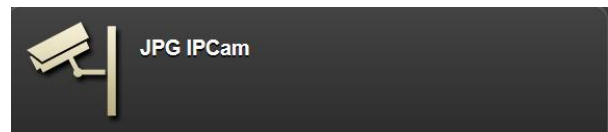
**Host IP:** IP address set in the camera

**Port:** Port assigned in the camera

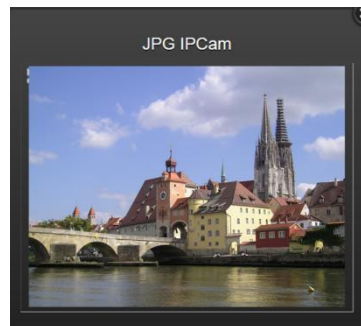
**User:** User name for camera access

**Password:** Password for camera access. The password display can be switched on or off.

**Display of the JPG IPCam visualization view:**

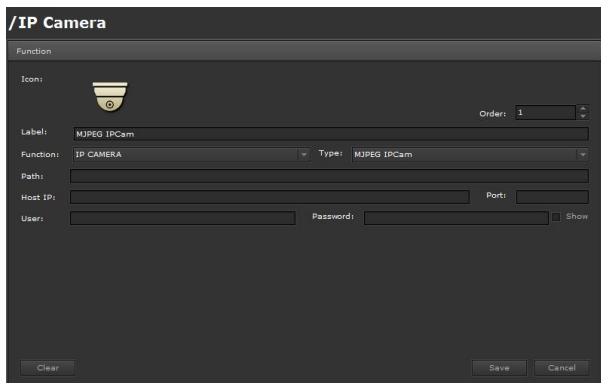


**JPG IPCam submenu:**



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**MJPEG IPCam:** This element displays images of MJPEG IP cameras.



**Icon:** An icon can be selected to match the function type. The IP Control Center includes a wide selection of icons.

**Label:** An appropriate function designation can be entered.

**Order:** This is the function's position within the operating page.

**Function:** Selection of the functional category, e.g. IP camera

**Type:** MJPEG IPCam

**Path:** Path setting for the camera

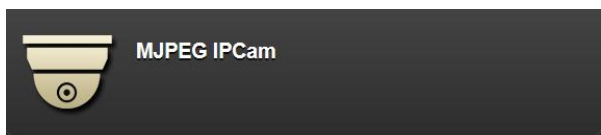
**Host IP:** IP address set in the camera

**Port:** Port assigned in the camera

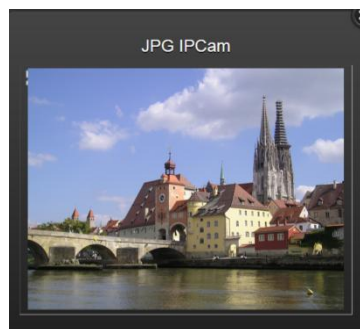
**User:** User name for camera access

**Password:** Password for camera access. The password display can be switched on or off.

**Display of the MJPEG IPCam visualization view:**

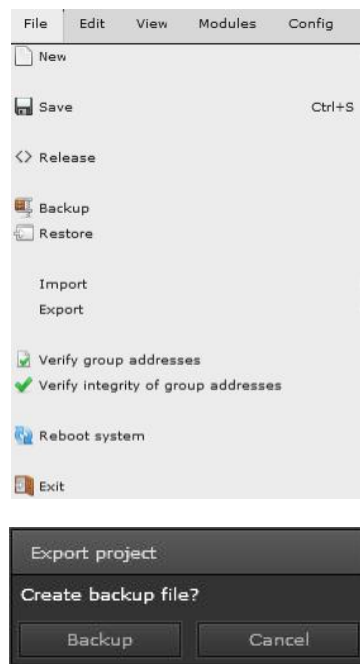


**MJPEG IPCam submenu:**



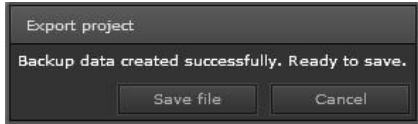
## 11 Backing up and restoring

The current project can be backed up in the menu item File → Backup.



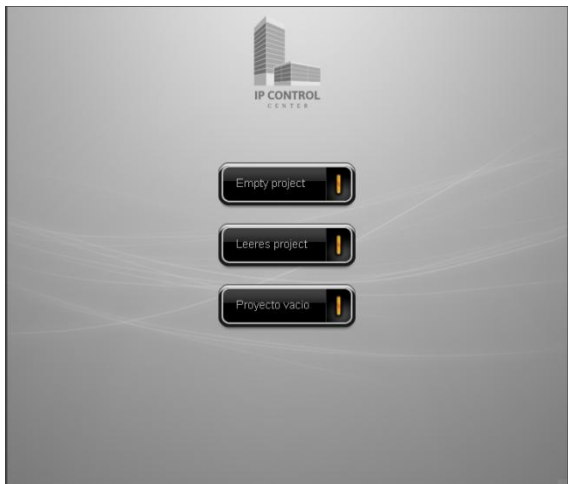
The entire project (WEB Editor + Smart Editor) is backed up on the IP Control Center and can then be externally saved on the PC/Laptop.

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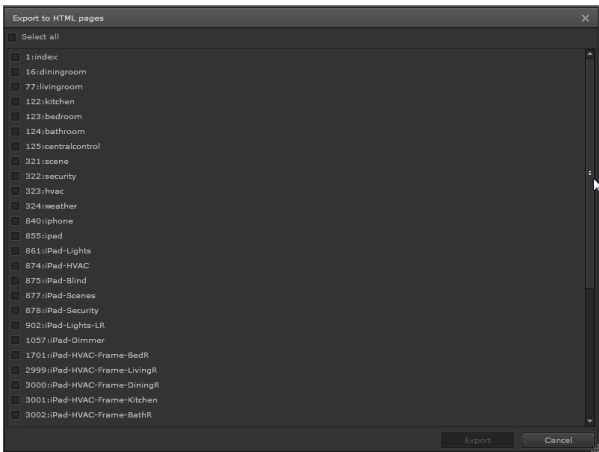


The back-up is saved in a file with the ending .ipcc2.  
Please note when restoring a project that the complete backed up project is played back into the IP Control Center. This can cause any possibly existing projects (WEB Editor or Smart Editor) to be written over.

The restored project is not automatically displayed following its successful restoration.  
You see the following screen in the visualization:



All of the pages in the editor must be generated again to activate the restored project. Please select File → Release in the menu and select all of the HTML pages needing to be generated.



**07 0B IP Control Center 983501****12 Hints for editing****Note**

The shift key should be pressed to select several control elements and the corresponding elements clicked on with the mouse.

This selection can then also be copied and pasted to other pages.

**Note**

The "Lasso Function" can be used to select several control elements at one time. This is achieved by using the mouse to span all of the elements to be selected.

This selection can then also be copied and pasted to other pages.

**Note**

You should use the same grid size to work on all of the pages to enable elements to be added in the right positions.

**Note**

The grid size can be individually set and saved for each page.

Error analysis using masks:

0 - no error  
 <>0 - error exists

Web error	0x00100000	// Service is not started
Policy error	0x00200000	// Service is not started
FTP error	0x00400000	// Service is not started
DNS error	0x00800000	// DNS is not ok
SMTP undefined user name	0x01000000	// User input missing
SMTP undefined password	0x02000000	// Password input missing
SMTP incorrect password	0x04000000	// User or password not OK
SMTP interrupted connection	0x10000000	// Server not accessible
SMTP Server/Port error	0x20000000	// Server or Port not OK
SMTP invalid host name	0x40000000	// invalid server name
SMTP error	0x80000000	// unknown error

Status object (Obj n°1) is restored to 0 if the bus is not connected.

**Note**

It is possible to copy and re-input a completely edited page with all of its elements. For this purpose, a right mouse-click is made within the page tree structure on the page to be copied; it is then copied and re-input at a later time. The number of copies can be defined in this process.

**Note**

It is possible to export a completely edited page with all of its elements to a single file. Use the File and Export menu for this. The file is backed up with the page name. The File and Import menu can be used to import a single page into a project. A new page name can thus be assigned.

**13 Status object in the ETS**

The current service status of the IP Control Center is sent to the bus to implement an automatic device diagnosis running in the background.

Communication object 1 of the ETS application is provided for this. An "unsigned" DPT 4 byte is used for the configuration. This communication object is solely intended for usage as a diagnostic object and may not be used for other tasks. An assigned value (error code) is automatically sent to the bus for every error. This allows for a quick evaluation using the Error Code table. The value 0 (Device OK) is sent to the bus when the error has been corrected.

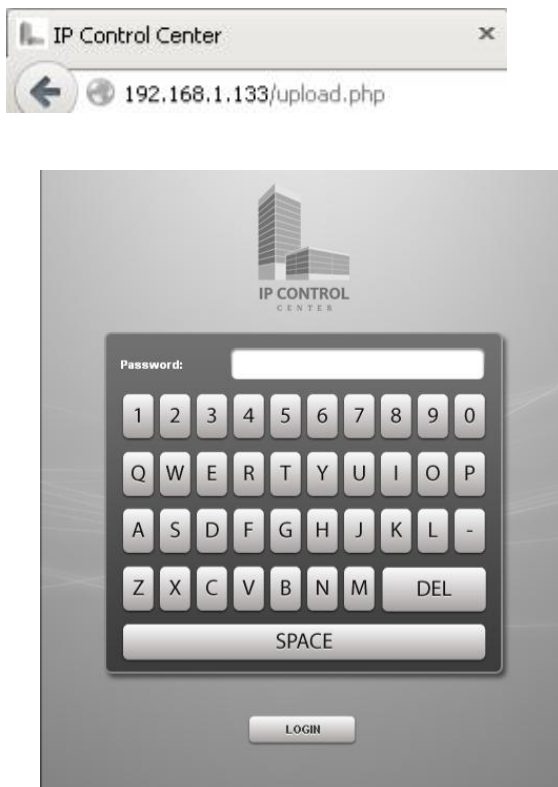
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## 14 Firmware Update

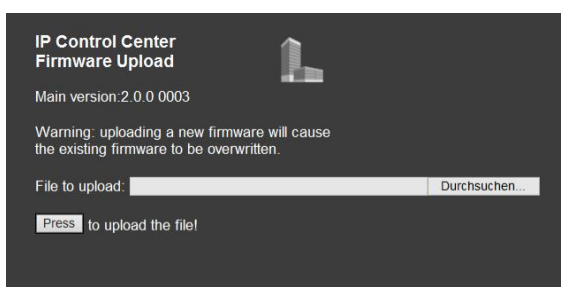
The device includes the option of updating the firmware.

The upload page can be accessed in the browser at <http://used IP-address/upload.php>

For example,



The page expects the web editor password to be entered. The default password is **Siemens**. A new page opens from which the update can be executed.



The file with the update should first be saved on the desktop or in a corresponding directory of the PC / Laptop used. The file's storage location is entered directly in the command line or searched for with "browse". The update is executed with "update".

**Note**

Do not switch off the PC / Laptop or the IP Control Center during the update. All parallel processes on the PC / Laptop should first be ended.

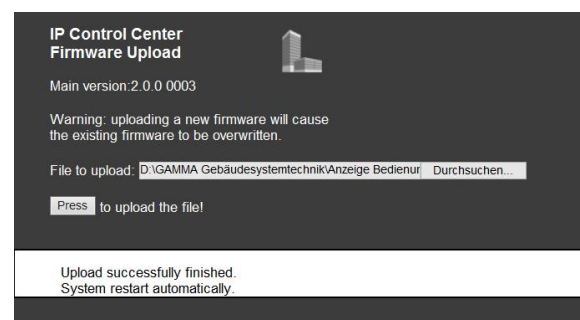
**Note**

A pre-existing project can be outsourced in the run-up if the current firmware cannot be loaded due to a lack of storage space. For this purpose the existing project must be externally set aside using "File" -> "Back-up". You can then unload the IP Control Center: "Config" -> "Restore defaults", Selection: Editor and SmartVisu. Sufficient storage space should now be available. This can be verified using "Help" -> "System Info" (Flash Memory).

**Note**

This method can also be used to load new styles to the IP Control Center or to re-import lost icons. For this purpose a style file \*.sty is provided for download. It contains all of the icons and elements in each of the styles.

The following message is displayed after successful completion of the firmware/style upload:























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**15 Styles**

**15.1 Black magic**























Operating- and display categories

Function preview	Value: 0 (Off)	Value: 1 (On)
<b>Switching general</b>		
General OFF		
		
Icon_Off.png	Icon_Off.png	
General ON		
		
Icon_On.png		Icon_On.png
General TOGGLE I/O		
		
Icon_IO.png	Icon_IO.png	Icon_IO.png
General OFF		
		
Icon_Disable.png	Icon_Disable.png	
General ON		
		
Icon_Enable.png		Icon_Enable.png
General TOGGLE		
		
Icon_Enable.png	Icon_Disable.png	Icon_Enable.png
General STATUS		
		
Icon_Enable.png	Icon_Disable.png	Icon_Enable.png
<b>Switching Miscellaneous</b>		
EU Socket TOGGLE		
		
Icon_EU on.png	Icon_EU off.png	Icon_EU on.png

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EU Socket OFF			
Icon_EU off.png	Icon_EU off.png		
EU Socket ON			
Icon_EU on.png			Icon_EU on.png
Swiss Socket TOGGLE			
Icon_Swiss on.png	Icon_Swiss off.png		Icon_Swiss on.png
Swiss Socket OFF			
Icon_Swiss off.png	Icon_Swiss off.png		
Swiss Socket ON			
Icon_Swiss on.png			Icon_Swiss on.png
Occupied TOGGLE			
Icon_Occupied.png	Icon_Unoccupied_alt.png		Icon_Occupied.png
Occupied			
Icon_Occupied.png			Icon_Occupied.png
Unoccupied			
Icon_Unoccupied_alt.png	Icon_Unoccupied_alt.png		
Heating OFF			
Icon_Heating off.png	Icon_Heating off.png		
Heating ON			
Icon_Heating on.png			Icon_Heating on.png


















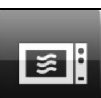




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Boiler OFF		
		
Icon_Boiler off.png	Icon_Boiler off.png	
Boiler ON		
		
Icon_Boiler on.png		Icon_Boiler on.png
Beamer OFF		
		
Icon_Beamer off.png	Icon_Beamer off.png	
Beamer ON		
		
Icon_Beamer on.png		Icon_Beamer on.png
Fax machine OFF		
		
Icon_FaxB off.png	Icon_FaxB off.png	
Fax machine ON		
		
Icon_FaxB on.png		Icon_FaxB on.png
Notebook OFF		
		
Icon_Notebook off.png	Icon_Notebook off.png	
Notebook ON		
		
Icon_Notebook on.png		Icon_Notebook on.png
Printer OFF		
		
Icon_Printer off.png	Icon_Printer off.png	
Printer ON		
		
Icon_Printer on.png		Icon_Printer on.png

















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Monitor OFF		
		
Icon_Screen.png	Icon_Screen.png	
Monitor ON		
		
Icon_Screen (2).png		Icon_Screen (2).png
Coffee machine OFF		
		
Icon_Coffeemachine off.png	Icon_Coffeemachine off.png	
Coffee machine ON		
		
Icon_Coffeemachine on.png		Icon_Coffeemachine on.png
TV OFF		
		
Icon_TV.png	Icon_TV.png	
TV ON		
		
Icon_TV on.png		Icon_TV on.png
Microwave OFF		
		
Icon_Microwave off.png	Icon_Microwave off.png	
Microwave ON		
		
Icon_Microwave on.png		Icon_Microwave on.png
Washing machine OFF		
		
Icon_Washmachine off.png	Icon_Washmachine off.png	
Washing machine ON		
		
Icon_Washmachine on.png		Icon_Washmachine on.png
Oven OFF		

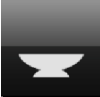





















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Icon_Oven off.png	Icon_Oven off.png	
Oven ON		
		
Icon_Oven on.png		Icon_Oven on.png
Dishwasher OFF		
		
Icon_Dishwasher off.png	Icon_Dishwasher off.png	
Dishwasher ON		
		
Icon_Dishwasher on.png		Icon_Dishwasher on.png
Fridge OFF		
		
Icon_Fridge off.png	Icon_Fridge off.png	
Fridge ON		
		
Icon_Fridge on.png		Icon_Fridge on.png
Fume extraction hood OFF		
		
Icon_Fume off.png	Icon_Fume off.png	
Fume extraction hood ON		
		
Icon_Fume on.png		Icon_Fume on.png
Electric iron OFF		
		
Icon_Iron off.png	Icon_Iron off.png	
Electric iron ON		
		
Icon_Iron on.png		Icon_Iron on.png
Fountain OFF		





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Icon_Fountain off Kopie.png	Icon_Fountain off Kopie.png	
Fountain ON		
		
Icon_Fountain on.png		Icon_Fountain on.png
Forced controlled OFF		
		
Icon_Guide off.png	Icon_Guide off.png	
Forced controlled ON		
		
Icon_Guide on.png		Icon_Guide on.png
<b>Switching light</b>	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
Light OFF		
		
Icon_Light off.png	Icon_Light off.png	
Light ON		
		
Icon_Light on.png		Icon_Light on.png
Light TOGGLE		
		
Icon_Light on.png	Icon_Light off.png	Icon_Light on.png
Light STATUS		
		
Icon_Light on.png	Icon_Light off.png	Icon_Light on.png
Ceiling light OFF		
		
Icon_Ceiling off.png	Icon_Ceiling off.png	
Ceiling light ON		
		
Icon_Ceiling on.png		Icon_Ceiling on.png

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Ceiling light TOGGLE		
		
Icon_Ceiling on.png	Icon_Ceiling off.png	Icon_Ceiling on.png
Ceiling light Status		
		
Icon_Ceiling on.png	Icon_Ceiling off.png	Icon_Ceiling on.png
Floor lamp OFF		
		
Icon_Floor off.png	Icon_Floor off.png	
Floor lamp ON		
		
Icon_Floor on.png		Icon_Floor on.png
Floor lamp TOGGLE		
		
Icon_Floor on.png	Icon_Floor off.png	Icon_Floor on.png
Floor lamp status		
		
Icon_Floor on.png	Icon_Floor off.png	Icon_Floor on.png
Desk lamp OFF		
		
Icon_Desk off.png	Icon_Desk off.png	
Desk lamp ON		
		
Icon_Desk on.png		Icon_Desk on.png
Desk lamp TOGGLE		
		
Icon_Desk on.png	Icon_Desk off.png	Icon_Desk on.png
Desk lamp Status		

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Icon_Desk on.png	Icon_Desk off.png	Icon_Desk on.png
Wall lamp OFF		
		
Icon_Wall off.png	Icon_Wall off.png	
Wall lamp ON		
		
Icon_Wall on.png		Icon_Wall on.png
Wall lamp TOGGLE		
		
Icon_Wall on.png	Icon_Wall off.png	Icon_Wall on.png
Wall lamp Status		
		
Icon_Wall on.png	Icon_Wall off.png	Icon_Wall on.png
<b>Status General</b>		
	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
EU socket Status		
		
Icon_EU on.png	Icon_EU off.png	Icon_EU on.png
Swiss socket Status		
		
Icon_Swiss on.png	Icon_Swiss off.png	Icon_Swiss on.png
Occupied Status		
		
Icon_Occupied.png	Icon_Unoccupied_alt.png	Icon_Occupied.png
Heating Status		
		
Icon_Heating on.png	Icon_Heating off.png	Icon_Heating on.png
Boiler Status		
		
Icon_Boiler on.png	Icon_Boiler off.png	Icon_Boiler on.png

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Beamer Status		
		
Icon_Beamer on.png	Icon_Beamer off.png	Icon_Beamer on.png
Fax machine Status		
		
Icon_FaxB on.png	Icon_FaxB off.png	Icon_FaxB on.png
Notebook Status		
		
Icon_Notebook on.png	Icon_Notebook off.png	Icon_Notebook on.png
Printer Status		
		
Icon_Printer on.png	Icon_Printer off.png	Icon_Printer on.png
Monitor Status		
		
Icon_Screen (2).png	Icon_Screen.png	Icon_Screen (2).png
Coffee machine Status		
		
Icon_Coffeemachine on.png	Icon_Coffeemachine off.png	Icon_Coffeemachine on.png
TV Status		
		
Icon_TV on.png	Icon_TV.png	Icon_TV on.png
Microwave Status		
		
Icon_Microwave on.png	Icon_Microwave off.png	Icon_Microwave on.png
Washing machine Status		
		
Icon_Washmachine on.png	Icon_Washmachine off.png	Icon_Washmachine on.png
Oven Status		
		
Icon_Oven on.png	Icon_Oven off.png	Icon_Oven on.png



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Dishwasher Status		
		
Icon_Dishwasher on.png	Icon_Dishwasher off.png	Icon_Dishwasher on.png
Fridge Status		
		
Icon_Fridge on.png	Icon_Fridge off.png	Icon_Fridge on.png
Fume extraction hood Status		
		
Icon_Fume on.png	Icon_Fume off.png	Icon_Fume on.png
Electric iron Status		
		
Icon_Iron on.png	Icon_Iron off.png	Icon_Iron on.png
Fountain Status		
		
Icon_Fountain on.png	Icon_Fountain off Kopie.png	Icon_Fountain on.png
Forced controlled Status		
		
Icon_Guide on.png	Icon_Guide off.png	Icon_Guide on.png
Sunblind Status		
		
Icon_Shutter.png	Icon_Shutter off.png	Icon_Shutter on.png
Awning Status		
		
Icon_Awning on.png	Icon_Awning off.png	Icon_Awning on.png
Windows Status		
		
Icon_Window open.png	Icon_Window closed.png	Icon_Window open.png
Rooflight Status		
		
Icon_Rooflight off Kopie.png	Icon_Rooflight off.png	Icon_Rooflight off Kopie.png







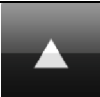







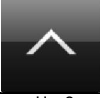







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Door Status		
		
Icon_Door open.png	Icon_Door closed.png	Icon_Door open.png
Domelight Status		
		
Icon_Domelight on.png	Icon_Domelight off.png	Icon_Domelight on.png
Garage door Status		
		
Icon_Garage on.png	Icon_Garage off.png	Icon_Garage on.png
Air quality Status		
		
Icon_Air Quality.png	Icon_Air Poor.png	Icon_Air Quality.png
Value Status (transparent)		
		Value
Icon_Value-Status.png		
Value Status		
		Value
Icon_Value-Status.png		
<b>Shutter / Blind</b>	<b>Value 0 (UP)</b>	<b>Value 1 (DOWN)</b>
Sunblind TOGGLE (short/long press)		
		
Icon_Blind.png	Icon_Blind.png	Icon_Blind.png
Sunblind TOGGLE (short/long press)		
		
Icon_Awning.png	Icon_Awning.png	Icon_Awning.png
Sunblind TOGGLE (short/long press)		














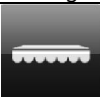





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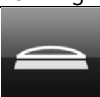





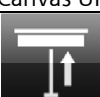



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Icon_Blind 2.png	Icon_Blind 2.png	Icon_Blind 2.png
Shutter TOGGLE (short/long press)		
		
Icon_Shutter.png	Icon_Shutter.png	Icon_Shutter.png
UP command (short/long press)		
		
Icon_Up_1.png	Icon_Up_1.png	
DOWN command (short/long press)		
		
Icon_Down_1.png		Icon_Down_1.png
UP command		
		
Icon_Up_1.png	Icon_Up_1.png	
DOWN command		
		
Icon_Down_1.png		Icon_Down_1.png
UP command		
		
Icon_Up_2.png	Icon_Up_2.png	
DOWN command		
		
Icon_Down_2.png		Icon_Down_2.png
Sunblind UP (short/long press)		
		
Icon_Blind up.png	Icon_Blind up.png	
Sunblind DOWN (short/long press)		
		
Icon_Blind down.png		Icon_Blind down.png

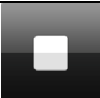


















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Sunblind UP			
Icon_Blind up.png	Icon_Blind up.png		
Sunblind DOWN			
Icon_Blind down.png			Icon_Blind down.png
Slat UP			
Icon_Blade open.png			Icon_Blade open.png
Slat DOWN			
Icon_Blade closed.png	Icon_Blade closed.png		
Shutter UP			
Icon_Shutter up.png	Icon_Shutter up.png		
Shutter DOWN			
Icon_Schutter down.png			Icon_Shutter down.png
Awning OPEN			
Icon_Awning on.png			Icon_Awning on.png
Awning CLOSED			
Icon_Awning off.png	Icon_Awning off.png		
Window OPEN			
Icon_Window open.png			Icon_Window open.png
Window CLOSED			
Icon_Window closed.png	Icon_Window closed.png		










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Rooflight OPEN		
		
Icon_Rooflight off Kopie.png		
Rooflight CLOSED		
		
Icon_Rooflight off.png		
Door OPEN		
		
Icon_Door open.png		
Door CLOSED		
		
Icon_Door closed.png		
Domelight OPEN		
		
Icon_Domelight on.png		
Domelight CLOSED		
		
Icon_Domelight off.png		
Garage door OPEN		
		
Icon_Garage on.png		
Garage door CLOSED		
		
Icon_Garage off.png		
Canvas UP		
		
Icon_Canvas off.png		
Canvas DOWN		
		
Icon_Canvas on.png		
STOP command		

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Icon_Stop.png	Icon_Stop.png	
<b>HVAC</b>	<b>Value: 0</b>	<b>Value: 1</b>
Manual mode		
		
Icon_Manual (2).png	Icon_Manual (2).png	
Automatic mode		
		
Icon_Auto_2.png		Icon_Auto_2.png
Automatic mode Status		
		
Icon_Auto_2.png	Icon_Manual (2).png	Icon_Auto_2.png
Comfort mode		
		
Icon_Comfort_2.png		Icon_Comfort_2.png
Pre-Comfort mode		
		
Icon_Precomfort (2).png		Icon_Precomfort (2).png
Economy mode		
		
Icon_Night_A.png		Icon_Night_A.png
Protection mode		
		
Icon_Protection.png		Icon_Protection.png
Comfort Prolongation		
		
Icon_Prolongation.png		Icon_Prolongation.png
Heating / cooling		

**07 0B IP Control Center 983501**













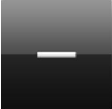





		
Icon_Heating_State.png		Icon_Heating_State.png
Heating / cooling Status		
		
Icon_Heating_State.png	Icon_Cooling_State.png	Icon_Heating_State.png
Dewpoint mode Status		
		
Icon_Humidity.png		Icon_Humidity.png
Frost protection Status		
		
Icon_Frost.png		Icon_Frost.png
Fan stage 0		
		
Icon_fanstage-0.png		Icon_fanstage-0.png
Fan stage 1		
		
Icon_fanstage-1.png		Icon_fanstage-1.png
Fan stage 2		
		
Icon_fanstage-2.png		Icon_fanstage-2.png
Fan stage 3		
		
Icon_fanstage-3.png		Icon_fanstage-3.png
Fan stage 4		
		
Icon_fanstage-4.png		Icon_fanstage-4.png
Fan stage 5		



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Icon_fanstage-5.png		Icon_fanstage-5.png
<b>Scenes</b>		<b>Value: 1</b>
Scene meeting		
		
Icon_Meeting.png		Icon_Meeting.png
Scene presentation		
		
Icon_Presentation.png		Icon_Presentation.png
Scene occupied		
		
Icon_Occupied.png		Icon_Occupied.png
Scene unoccupied		
		
Icon_Unoccupied_alt.png		Icon_Unoccupied_alt.png
Scene green leaf		
		
Icon_Green Leaf.png		Icon_Green Leaf.png
Scene working		
		
Icon_Working.png		Icon_Working.png
Scene break		
		
Icon_Break.png		Icon_Break.png
Scene relax		
		
Icon_Couch.png		Icon_Couch.png





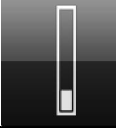


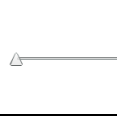

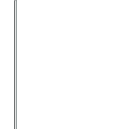

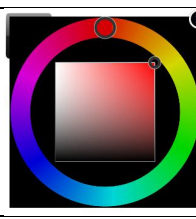





**07 0B IP Control Center 983501**

Scene dinner		
		
Icon_Dinner.png		Icon_Dinner.png
Scene cooking		
		
Icon_Kitchen.png		Icon_Kitchen.png
Scene party		
		
Icon_Party.png		Icon_Party.png
Scene fireplace		
		
Icon_Fireplace.png		Icon_Fireplace.png
Scene sleep		
		
Icon_Sleep.png		Icon_Sleep.png
<b>Advanced Elements</b>	<b>Individual values into dependence of the datapoint type and the selected advanced element</b>	
Step +		
		
Icon_Plus.png		Icon_Plus.png
Step -		
		
Icon_Minus.png		Icon_Minus.png
Fan +		
		
Icon_fanstage-up.png		Icon_fanstage-up.png
Fan -		
		
Icon_fanstage-down.png		Icon_fanstage-down.png

**07 0B IP Control Center 983501**

Light +		
		
Icon_Light on Plus.png		Icon_Light on Plus.png
Light -		
		
Icon_Light off Plus 92.png		Icon_Light off Plus 92.png
Ceiling light +		
		
Icon_Ceiling on Plus.png		Icon_Ceiling on Plus.png
Ceiling light -		
		
Icon_Ceiling on Minus.png		Icon_Ceiling on Minus.png
Floor lamp +		
		
Icon_Floor on Plus.png		Icon_Floor on Plus.png
Floor lamp --		
		
Icon_Floor on Minus.png		Icon_Floor on Minus.png
Desk lamp +		
		
Icon_Desk on Plus.png		Icon_Desk on Plus.png
Desk lamp -		
		
Icon_Desk on Minus.png		Icon_Desk on Minus.png
Wall lamp +		
		
Icon_Wall on Plus.png		Icon_Wall on Plus.png
Wall lamp -		

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Icon_Wall on Minus.png		Icon_Wall on Minus.png
Slider 1 horizontal		
		
Icon_Slider_B_horizontal.png		
Slider 1 vertical		
		
Icon_Slider_B_vertical.png		
Slider 2 horizontal		
		
Icon_Slider-A_horizontal.png		
Slider 2 vertical		
		
Icon_Slider-A_vertical.png		
RGB		
		
Icon_RGB.png		
Gauge		
		
Icon_General-Analog.png		
Matrix element		
		


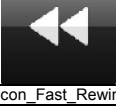
**07 0B IP Control Center 983501**

Icon_Thumbnails.png	Icon_Thumbnails.png		Icon_Thumbnails.png			
Operating mode element						
Icon_General Multistate.png			Icon_Comfort_2.png	Icon_Precomfort (2).png	Icon_Night_A.png	Icon_Protection.png
Operating mode element with auto						
Icon_General Multistate.png		Icon_Auto_2.png	Icon_Comfort_2.png	Icon_Precomfort (2).png	Icon_Night_A.png	Icon_Protection.png
Fan element 3 steps						
Icon_Fan.png			Icon_Fanstage0.png	Icon_Fanstage1.png	Icon_Fanstage2.png	Icon_Fanstage3.png
Fan element 5 steps						
Icon_Fan.png	Icon_Fanstage0.png	Icon_Fanstage1.png	Icon_Fanstage2.png	Icon_Fanstage3.png	Icon_Fanstage4.png	Icon_Fanstage5.png
Advanced element						
Icon_NavigationSettings.png						
Send value						
Icon_Value-Input.png						
Alarm Status						
Icon_OK NotAckn.png					Icon_OK NotAckn.png	
<b>Audio / Video</b>			<b>Datapoint types and pre-defined values individually adjustably</b>			
Enable						





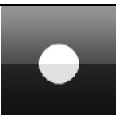
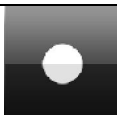




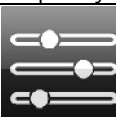
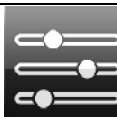




**Application program description**

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**07 0B IP Control Center 983501**

Icon_Enable.png		Icon_Enable.png
Put on standby		
		
Icon_Standby.png		Icon_Standby.png
Sound ON		
		
Icon_Sound on.png		Icon_Sound on.png
Sound OFF		
		
Icon_Sound off.png		Icon_Sound off.png
Sound mute		
		
Icon_Sound mute.png		Icon_Sound mute.png
Begin		
		
Icon_Begin.png		Icon_Begin.png
End		
		
Icon_End.png		Icon_End.png
Fast rewind		
		
Icon_Fast_Rewind.png		Icon_Fast_Rewind.png
Fast Forward		
		
Icon_Fast_Forward.png		Icon_Fast_Forward.png
Pause		
		
Icon_Pause.png		Icon_Pause.png

**07 0B IP Control Center 983501**









Play		
		
Icon_Play.png		Icon_Play.png
Stop		
		
Icon_Stop.png		Icon_Stop.png
Record		
		
Icon_Record.png		Icon_Record.png
Eject		
		
Icon_Eject.png		Icon_Eject.png
Shuffle		
		
Icon_Shuffle.png		Icon_Shuffle.png
Frequency		
		
Icon_Slider-B.png		Icon_Slider-B.png
AV		
		
Icon_AV.png		Icon_AV.png
<b>Navigation elements</b>		
Container		
		
Icon_Site.png		
Page navigator (transparent)		



**Application program description**





















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**07 0B IP Control Center 983501**

		<u>Link</u>
Icon_Navigation.png		
Page navigator		
		<u>Link</u>
Icon_Navigation.png		
Label (transparent)		
		Label
Icon_ID.png		
Label		
		Label
Icon_ID.png		
Image		
		
Icon_Picture.png		
Touch Displays Settings		
		
Icon_Settings.png		Icon_Settings.png

Additional Icons are on the IP Control Center in the path:

*visuelements\standard\black\_magic*

									
Icon_Activation.png	Icon_Alarm_ok.png	Icon_Alarm_state.png	Icon_Alarm_Ackn.png	Icon_Alarm-Fire_V2.png	Icon_Alarm-Gas.png	Icon_Audio.png	Icon_Auto.png	Icon_Bag_A.png	Icon_Bag_B.png
									
Icon_Bath.png	Icon_Battery.png	Icon_Blade_Position.png	Icon_blind_2_position.png	Icon_Blind_Position.png	Icon_Burner.png	Icon_Calendar.png	Icon_Cancel.png	Icon_Cleaning.png	Icon_Clock.png

**07 0B IP Control Center 983501**

Icon_Cloud.png	Icon_Cloudy.png	Icon_Comfort.png	Icon_Contrast.png	Icon_Cooling State.png	Icon_Cut.png	Icon_Delete.png	Icon_DHW.png	Icon_Dimming.png	Icon_Dimming_2.png
Icon_Dinner.png	Icon_Document.png	Icon_DoNot Disturb.png	Icon_Economy.png	Icon_Edit.png	Icon_Effect.png	Icon_Escape Right.png	Icon_Exit.png	Icon_Favorites.png	Icon_FaxA-off.png
Icon_FaxA-on.png	Icon_Fire-Sensor.png	Icon_Folder.png	Icon_Forward.png	Icon_Garage Car.png	Icon_Garden.png	Icon_Wind.png	Icon_Global.png	Icon_Green-Leaf.png	Icon_Green-Leaf-alt.png
Icon_Gym.png	Icon_Heat pump.png	Icon_Help.png	Icon_Home.png	Icon_Hourglass.png	Icon_Humidity.png	Icon_Information.png	Icon_IP_Camera_B.png	Icon_IP_Camera_C.png	Icon_Language.png
Icon_Library.png	Icon_Lifesafety.png	Icon_List.png	Icon_Location.png	Icon_Lock.png	Icon_Login.png	Icon_Logout.png	Icon_Maintenance.png	Icon_Make-Room.png	Icon_Manual.png
Icon_Network.png	Icon_Night_B.png	Icon_No Access.png	Icon_Notification.png	Icon_Office.png	Icon_OK.png	Icon_Ok---Akn.png	Icon_Out-of-Service.png	Icon_Outside-Temperature.png	Icon_Outside-Temperature_alt.png
Icon_Phone.png	Icon_Plant.png	Icon_Pool.png	Icon_Power.png	Icon_Precomfort.png	Icon_Rain.png	Icon_Repeat.png	Icon_Reply.png	Icon_Return.png	Icon_RGBw.png
Icon_Room-Temperature.png	Icon_Save.png	Icon_Scenes.png	Icon_Service.png	Icon_Set.png	Icon_Set Value.png	Icon_Shutter_position.png	Icon_Step-0.png	Icon_Step-1.png	Icon_Step-2.png
Icon_Step-3.png	Icon_Storm.png	Icon_Sun.png	Icon_Sunblind Position.png	Icon_Support.png	Icon_Switch.png	Icon_Temperature.png	Icon_Temperature_set.png	Icon_Trend.png	Icon_Unlock.png
Icon_Usergroup.png	Icon_Warning.png	Icon_Water.png	Icon_Weather.png	Icon_Wifi.png					





















**Application program description**

February 2015





















**07 0B IP Control Center 983501**

**15.2 Blue gray**

Operating – and display categories

Function preview	Value: 0 (Off)	Value: 1 (On)
<b>Switching general</b>		
General OFF		
		
Icon_Off.png	Icon_Off.png	
General ON		
		
Icon_On.png		Icon_On.png
General TOGGLE I/O		
		
Icon_IO.png	Icon_IO.png	Icon_IO.png
General OFF		
		
Icon_Disable.png	Icon_Disable.png	
General ON		
		
Icon_Enable.png		Icon_Enable.png
General TOGGLE		
		
Icon_Enable.png	Icon_Disable.png	Icon_Enable.png
General STATUS		
		
Icon_Enable.png	Icon_Disable.png	Icon_Enable.png
<b>Switching Miscellaneous</b>	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
EU socket TOGGLE		
		





















**07 0B IP Control Center 983501**

icon_EU on.png	icon_EU off.png	icon_EU on.png
EU socket OFF		
		
icon_EU off.png	icon_EU off.png	
EU socket ON		
		
icon_EU on.png		icon_EU on.png
Swiss socket TOGGLE		
		
icon_Swiss on.png	icon_Swiss off.png	icon_Swiss on.png
Swiss socket OFF		
		
icon_Swiss off.png	icon_Swiss off.png	
Swiss socket ON		
		
icon_Swiss on.png		icon_Swiss on.png
Occupied TOGGLE		
		
icon_Occupied.png	icon_Unoccupied_alt.png	icon_Occupied.png
Occupied		
		
icon_Occupied.png		icon_Occupied.png
Unoccupied		
		
icon_Unoccupied_alt.png	icon_Unoccupied_alt.png	
Heating OFF		
		
icon_Heating off.png	icon_Heating off.png	
Heating ON		





















**Application program description**

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**07 0B IP Control Center 983501**

		
Icon_Heating on.png		Icon_Heating on.png
Boiler OFF		
		
Icon_Boiler off.png	Icon_Boiler off.png	
Boiler ON		
		
Icon_Boiler on.png		Icon_Boiler on.png
Beamer OFF		
		
Icon_Beamer off.png	Icon_Beamer off.png	
Beamer ON		
		
Icon_Beamer on.png		Icon_Beamer on.png
Fax machine OFF		
		
Icon_FaxB off.png	Icon_FaxB off.png	
Fax machine ON		
		
Icon_FaxB on.png		Icon_FaxB on.png
Notebook OFF		
		
Icon_Notebook off.png	Icon_Notebook off.png	
Notebook ON		
		
Icon_Notebook on.png		Icon_Notebook on.png
Printer OFF		
		
Icon_Printer off.png	Icon_Printer off.png	
Printer ON		





















**07 0B IP Control Center 983501**

		
Icon_Printer on.png		Icon_Printer on.png
Monitor OFF		
		
Icon_Screen.png	Icon_Screen.png	
Monitor ON		
		
Icon_Screen (2).png		Icon_Screen (2).png
Coffee machine OFF		
		
Icon_Coffeemachine off.png	Icon_Coffeemachine off.png	
Coffee machine ON		
		
Icon_Coffeemachine on.png		Icon_Coffeemachine on.png
TV OFF		
		
Icon_TV.png	Icon_TV.png	
TV ON		
		
Icon_TV on.png		Icon_TV on.png
Microwave OFF		
		
Icon_Microwave off.png	Icon_Microwave off.png	
Microwave ON		
		
Icon_Microwave on.png		Icon_Microwave on.png
Washing machine OFF		
		
Icon_Washmachine off.png	Icon_Washmachine off.png	
Washing machine ON		























**Application program description**

February 2015

**07 0B IP Control Center 983501**

		
Icon_Washmachine off.png		Icon_Washmachine on.png
Oven OFF		
		
Icon_Oven off.png	Icon_Oven off.png	
Oven ON		
		
Icon_Oven on.png		Icon_Oven on.png
Dishwasher OFF		
		
Icon_Dishwasher off.png	Icon_Dishwasher off.png	
Dishwasher ON		
		
Icon_Dishwasher on.png		Icon_Dishwasher on.png
Fridge OFF		
		
Icon_Fridge off.png	Icon_Fridge off.png	
Fridge ON		
		
Icon_Fridge on.png		Icon_Fridge on.png
Fume extraction hood OFF		
		
Icon_Fume off.png	Icon_Fume off.png	
Fume extraction hood ON		
		
Icon_Fume on.png		Icon_Fume on.png
Electric iron OFF		
		
Icon_Iron off.png	Icon_Iron off.png	
Electric iron ON		

**07 0B IP Control Center 983501**

		
Icon_Iron on.png		Icon_Iron on.png
Fountain OFF		
		
Icon_Fountain off Kopie.png	Icon_Fountain off Kopie.png	
Fountain ON		
		
Icon_Fountain on.png		Icon_Fountain on.png
Forced controlled OFF		
		
Icon_Guide off.png	Icon_Guide off.png	
Forced controlled ON		
		
Icon_Guide on.png		Icon_Guide on.png
<b>Switching Light</b>	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
Light OFF		
		
Icon_Light off.png	Icon_Light off.png	
Light ON		
		
Icon_Light on.png		Icon_Light on.png
Light TOGGLE		
		
Icon_Light on.png	Icon_Light off.png	Icon_Light on.png
Light STATUS		
		
Icon_Light on.png	Icon_Light off.png	Icon_Light on.png
Ceiling Light OFF		
		




**Application program description**

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




























**07 0B IP Control Center 983501**

Icon_Ceiling off.png	Icon_Ceiling off.png	
Ceiling Light ON		
		
Icon_Ceiling on.png		Icon_Ceiling on.png
Ceiling Light TOGGLE		
		
Icon_Ceiling on.png	Icon_Ceiling off.png	Icon_Ceiling on.png
Ceiling Light STATUS		
		
Icon_Ceiling on.png	Icon_Ceiling off.png	Icon_Ceiling on.png
Floor lamp OFF		
		
Icon_Floor off.png	Icon_Floor off.png	
Floor lamp ON		
		
Icon_Floor on.png		Icon_Floor on.png
Floor lamp TOGGLE		
		
Icon_Floor on.png	Icon_Floor off.png	Icon_Floor on.png
Floor lamp STATUS		
		
Icon_Floor on.png	Icon_Floor off.png	Icon_Floor on.png
Desk lamp TOGGLE		
		
Icon_Desk off.png	Icon_Desk off.png	
Desk lamp ON		
		
Icon_Desk on.png		Icon_Desk on.png
Desk lamp TOGGLE		































**07 0B IP Control Center 983501**

		
Icon_Desk on.png	Icon_Desk off.png	Icon_Desk on.png
Desk lamp STATUS		
		
Icon_Desk on.png	Icon_Desk off.png	Icon_Desk on.png
Wall lamp OFF		
		
Icon_Wall off.png	Icon_Wall off.png	
Wall lamp ON		
		
Icon_Wall on.png		Icon_Wall on.png
Wall lamp TOGGLE		
		
Icon_Wall on.png	Icon_Wall off.png	Icon_Wall on.png
Wall lamp STATUS		
		
Icon_Wall on.png	Icon_Wall off.png	Icon_Wall on.png
<b>Status General</b>		
	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
EU socket Status		
		
Icon_EU on.png	Icon_EU off.png	Icon_EU on.png
Swiss socket Status		
		
Icon_Swiss on.png	Icon_Swiss off.png	Icon_Swiss on.png
Occupied Status		
		
Icon_Occupied.png	Icon_Unoccupied_alt.png	Icon_Occupied.png
Heating Status		

**07 0B IP Control Center 983501**

		
Icon_Heating on.png	Icon_Heating off.png	Icon_Heating on.png
Boiler Status		
		
Icon_Boiler on.png	Icon_Boiler off.png	Icon_Boiler on.png
Beamer Status		
		
Icon_Beamer on.png	Icon_Beamer off.png	Icon_Beamer on.png
Fax machine Status		
		
Icon_FaxB on.png	Icon_FaxB off.png	Icon_FaxB on.png
Notebook Status		
		
Icon_Notebook on.png	Icon_Notebook off.png	Icon_Notebook on.png
Printer Status		
		
Icon_Printer on.png	Icon_Printer off.png	Icon_Printer on.png
Monitor Status		
		
Icon_Screen (2).png	Icon_Screen.png	Icon_Screen (2).png
Coffee machine Status		
		
Icon_Coffeemachine on.png	Icon_Coffeemachine off.png	Icon_Coffeemachine on.png
TV Status		
		
Icon_TV on.png	Icon_TV.png	Icon_TV on.png
Microwave Status		
		
Icon_Microwave on.png	Icon_Microwave off.png	Icon_Microwave on.png
Washing machine Status		

























**07 0B IP Control Center 983501**

		
Icon_Washmachine on.png	Icon_Washmachine off.png	Icon_Washmachine on.png
Oven Status		
		
Icon_Oven on.png	Icon_Oven off.png	Icon_Oven on.png
Dishwasher Status		
		
Icon_Dishwasher on.png	Icon_Dishwasher off.png	Icon_Dishwasher on.png
Fridge Status		
		
Icon_Fridge on.png	Icon_Fridge off.png	Icon_Fridge on.png
Fume extraction hood Status		
		
Icon_Fume on.png	Icon_Fume off.png	Icon_Fume on.png
Electric iron Status		
		
Icon_Iron on.png	Icon_Iron off.png	Icon_Iron on.png
Fountain Status		
		
Icon_Fountain on.png	Icon_Fountain off Kopie.png	Icon_Fountain on.png
Forced controlled Status		
		
Icon_Guide on.png	Icon_Guide off.png	Icon_Guide on.png
Sunblind Status		
		
Icon_Shutter.png	Icon_Shutter off.png	Icon_Shutter on.png
Awning Status		
		
Icon_Awning on.png	Icon_Awning off.png	Icon_Awning on.png










**Application program description**

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**07 0B IP Control Center 983501**

<b>Windows Status</b>		
		
Icon_Window open.png	Icon_Window closed.png	Icon_Window open.png
<b>Rooflight Status</b>		
		
Icon_Rooflight off Kopie.png	Icon_Rooflight off.png	Icon_Rooflight off Kopie.png
<b>Door Status</b>		
		
Icon_Door open.png	Icon_Door closed.png	Icon_Door open.png
<b>Domelight Status</b>		
		
Icon_Domelight on.png	Icon_Domelight off.png	Icon_Domelight on.png
<b>Garage door Status</b>		
		
Icon_Garage on.png	Icon_Garage off.png	Icon_Garage on.png
<b>Air quality Status</b>		
		
Icon_Air Quality.png	Icon_Air Poor.png	Icon_Air Quality.png
<b>Value Status (transparent)</b>		
		Value
Icon_Value-Status.png		
<b>Value Status</b>		
		
Icon_Value-Status.png		
<b>Shutter/Blind</b>		
	<b>Value 0 (UP)</b>	<b>Value 1 (DOWN)</b>
<b>Sunblind TOGGLE (short/long press)</b>		
		





















**07 0B IP Control Center 983501**

Icon_Blind.png	Icon_Blind.png	Icon_Blind.png
Sunblind TOGGLE (short/long press)		
		
Icon_Awning.png	Icon_Awning.png	Icon_Awning.png
Sunblind TOGGLE (short/long press)		
		
Icon_Blind 2.png	Icon_Blind 2.png	Icon_Blind 2.png
Shutter TOGGLE (short/long press)		
		
Icon_Shutter.png	Icon_Shutter.png	Icon_Shutter.png
UP command (short/long press)		
		
Icon_Up_1.png	Icon_Up_1.png	
DOWN command (short/long press)		
		
Icon_Down_1.png		Icon_Down_1.png
UP command		
		
Icon_Up_1.png	Icon_Up_1.png	
DOWN command		
		
Icon_Down_1.png		Icon_Down_1.png
UP command		
		
Icon_Up_2.png	Icon_Up_2.png	
DOWN command		

**07 0B IP Control Center 983501**

		
Icon_Down_2.png		Icon_Down_2.png
Subblind UP (short/long press)		
		
Icon_Blind up.png	Icon_Blind up.png	
Sunblind DOWN (short/long press)		
		
Icon_Blind down.png		Icon_Blind down.png
Sunblind UP		
		
Icon_Blind up.png	Icon_Blind up.png	
Sunblind DOWN		
		
Icon_Blind down.png		Icon_Blind down.png
Slat UP		
		
Icon_Blade open.png		Icon_Blade open.png
Slat DOWN		
		
Icon_Blade closed.png	Icon_Blade closed.png	
Shutter UP		
		
Icon_Shutter up.png	Icon_Shutter up.png	
Shutter DOWN		
		
Icon_Schutter down.png		Icon_Schutter down.png
Awning OPEN		
		
Icon_Awning on.png		Icon_Awning on.png

**07 0B IP Control Center 983501**











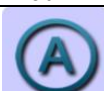








Awning CLOSED		
		
Icon_Awning off.png	Icon_Awning off.png	
Window OPEN		
		
Icon_Window open.png		Icon_Window open.png
Window CLOSED		
		
Icon_Window closed.png	Icon_Window closed.png	
Rooflight OPEN		
		
Icon_Rooflight off Kopie.png		Icon_Rooflight off Kopie.png
Rooflight CLOSED		
		
Icon_Rooflight off.png	Icon_Rooflight off.png	
Door OPEN		
		
Icon_Door open.png		Icon_Door open.png
Door CLOSED		
		
Icon_Door closed.png	Icon_Door closed.png	
Domelight OPEN		
		
Icon_Domelight on.png		Icon_Domelight on.png
Domelight CLOSED		
		
Icon_Domelight off.png	Icon_Domelight off.png	
Garage door OPEN		
		
Icon_Garage on.png	Icon_Garage on.png	






















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Garage door CLOSED		
		
Icon_Garage off.png		Icon_Garage off.png
Canvas UP		
		
Icon_Canvas off.png	Icon_Canvas off.png	
Canvas DOWN		
		
Icon_Canvas on.png		Icon_Canvas on.png
STOP command		
		
Icon_Stop.png	Icon_Stop.png	
<b>HVAC</b>	<b>Value 0</b>	<b>Value 1</b>
Manual mode		
		
Icon_Manual (2).png	Icon_Manual (2).png	
Automatic mode		
		
Icon_Auto 2.png		Icon_Auto 2.png
Automatic mode Status		
		
Icon_Auto 2.png	Icon_Manual (2).png	Icon_Auto 2.png
Comfort mode		
		
Icon_Comfort 2.png		Icon_Comfort 2.png
Pre-Comfort mode		
		
Icon_Precomfort (2).png		Icon_Precomfort (2).png
Economy mode		



















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Icon_Night_A.png		Icon_Night_A.png
Protection mode		
		
Icon_Protection.png		Icon_Protection.png
Comfort Prolongation		
		
Icon_Prolongation.png		Icon_Prolongation.png
Heating / cooling		
		
Icon_Heating_State.png		Icon_Heating_State.png
Heating / cooling Status		
		
Icon_Heating_State.png	Icon_Cooling_State.png	Icon_Heating_State.png
Dewpoint mode Status		
		
Icon_Humidity.png		Icon_Humidity.png
Frost protection Status		
		
Icon_Frost.png		Icon_Frost.png
Fan stage 0		
		
Icon_fanstage-0.png		Icon_fanstage-0.png
Fan stage 1		
		
Icon_fanstage-1.png		Icon_fanstage-1.png
Fan stage 2		

**07 0B IP Control Center 983501**

		
icon_fanstage-2.png		icon_fanstage-2.png
Fan stage 3		
		
icon_fanstage-3.png		icon_fanstage-3.png
Fan stage 4		
		
icon_fanstage-4.png		icon_fanstage-4.png
Fan stage 5		
		
icon_fanstage-5.png		icon_fanstage-5.png
<b>Scenes</b>		<b>Value 1</b>
Scene meeting		
		
icon_Meeting.png		icon_Meeting.png
Scene presentation		
		
icon_Presentation.png		icon_Presentation.png
Scene occupied		
		
icon_Occupied.png		icon_Occupied.png
Scene unoccupied		
		
icon_Unoccupied_alt.png		icon_Unoccupied_alt.png
Scene green leaf		
		
icon_Green_Leaf.png		icon_Green_Leaf.png
Scene working		

















**07 0B IP Control Center 983501**

		
Icon_Working.png		Icon_Working.png
Scene break		
		
Icon_Break.png		Icon_Break.png
Scene relax		
		
Icon_Couch.png		Icon_Couch.png
Scene dinner		
		
Icon_Dinner.png		Icon_Dinner.png
Scene cooking		
		
Icon_Kitchen.png		Icon_Kitchen.png
Scene party		
		
Icon_Party.png		Icon_Party.png
Scene fireplace		
		
Icon_Fireplace.png		Icon_Fireplace.png
Scene sleep		
		
Icon_Sleep.png		Icon_Sleep.png
<b>Advanced Elements</b>	Individual values into dependence of the datapoint type and the selected advanced element	
Step +		
		
Icon_Plus.png		Icon_Plus.png
Stufe -		
































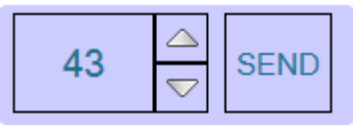
**07 0B IP Control Center 983501**

		
Icon_Minus.png		Icon_Minus.png
Fan +		
		
Icon_fanstage-up.png		Icon_fanstage-up.png
Fan -		
		
Icon_fanstage-down.png		Icon_fanstage-down.png
Light+		
		
Icon_Light on Plus.png		Icon_Light on Plus.png
Light-		
		
Icon_Light off Plus 92.png		Icon_Light off Plus 92.png
Ceiling light+		
		
Icon_Ceiling on Plus.png		Icon_Ceiling on Plus.png
Ceiling light-		
		
Icon_Ceiling on Minus.png		Icon_Ceiling on Minus.png
Floor lamp +		
		
Icon_Floor on Plus.png		Icon_Floor on Plus.png
Floor lamp -		
		
Icon_Floor on Minus.png		Icon_Floor on Minus.png
Desk lamp +		
		
Icon_Desk on Plus.png		Icon_Desk on Plus.png
Desk lamp -		



















**07 0B IP Control Center 983501**

		
Icon_Desk on Minus.png		Icon_Desk on Minus.png
Wall lamp +		
		
Icon_Wall on Plus.png		Icon_Wall on Plus.png
Wall lamp -		
		
Icon_Wall on Minus.png		Icon_Wall on Minus.png
Slider Type 1 horizontal		
		
Icon_Slider_B_horizontal.png		
Slider Type 1 vertical		
		
Icon_Slider_B_vertical.png		
Slider Type 2 horizontal		
		
Icon_Slider-A_horizontal.png		
Slider Type 2 vertical		
		
Icon_Slider-A_vertical.png		
RGB		
		
Icon_RGB.png		
Gauge		

**07 0B IP Control Center 983501**

						
Icon_General-Analog.png						
<b>Matrix Element</b>						
						
Icon_Thumbnails.png	Icon_Thumbnails.png	Icon_Thumbnails.png				
<b>Operating mode element</b>						
						
Icon_General Multistate.png			Icon_Comfort_2.png	Icon_Precomfort (2).png	Icon_Night_A.png	Icon_Protection.png
<b>Operating mode element with auto</b>						
						
Icon_General Multistate.png		Icon_Auto_2.png	Icon_Comfort_2.png	Icon_Precomfort (2).png	Icon_Night_A.png	Icon_Protection.png
<b>Fan element 3 steps</b>						
						
Icon_Fan.png			Icon_Fanstage0.png	Icon_Fanstage1.png	Icon_Fanstage2.png	Icon_Fanstage3.png
<b>Fan element 5 steps</b>						
						
Icon_Fan.png	Icon_Fanstage0.png	Icon_Fanstage1.png	Icon_Fanstage2.png	Icon_Fanstage3.png	Icon_Fanstage4.png	Icon_Fanstage5.png
<b>Advanced element</b>						
						
Icon_NavigationSettings.png						
<b>Send value</b>						
						

**07 0B IP Control Center 983501**








Icon_Value-Input.png		
Alarm Status		
		
Icon_OK_NotAckn.png		Icon_OK_NotAckn.png
<b>Audio / Video</b>	<b>Datapoint types and pre-defined values individually adjustably</b>	
Enable		
		
Icon_Enable.png		Icon_Enable.png
Put on standby		
		
Icon_Standby.png		Icon_Standby.png
Sound ON		
		
Icon_Sound on.png		Icon_Sound on.png
Sound OFF		
		
Icon_Sound off.png		Icon_Sound off.png
Sound mute		
		
Icon_Sound mute.png		Icon_Sound mute.png
Begin		
		
Icon_Begin.png		Icon_Begin.png
End		
		
Icon_End.png		Icon_End.png
Fast rewind		
		
Icon_Fast Rewind.png		Icon_Fast Rewind.png










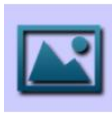


**Application program description**

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**07 0B IP Control Center 983501**

Fast Forward		
		
Icon_Fast_Forward.png		Icon_Fast_Forward.png
Pause		
		
Icon_Pause.png		Icon_Pause.png
Play		
		
Icon_Play.png		Icon_Play.png
Stop		
		
Icon_Stop.png		Icon_Stop.png
Record		
		
Icon_Record.png		Icon_Record.png
Eject		
		
Icon_Eject.png		Icon_Eject.png
Shuffle		
		
Icon_Shuffle.png		Icon_Shuffle.png
Frequency		
		
Icon_Slider-B.png		Icon_Slider-B.png
AV		
		
Icon_AV.png		Icon_AV.png





















**07 0B IP Control Center 983501**

<b>Navigation elements</b>		
Container		
		
Icon_Site.png		
Page navigator (transparent)		
		<a href="#">Link</a>
Icon_Navigation.png		
Page navigator		
		<a href="#">Link</a>
Icon_Navigation.png		
Label (transparent)		
		Label
Icon_ID.png		
Label		
		Label
Icon_ID.png		
Image		
		
Icon_Picture.png		
Touch Displays Settings		
		
Icon_Settings.png		Icon_Settings.png























**07 0B IP Control Center 983501**

**15.3 Blue transparent**

Operating- and display categories

Function preview	Value: 0 (Off)	Value 1 (On)
<b>Switching general</b>		
General OFF		
		
Icon_Off.png	Icon_Off.png	
General ON		
		
Icon_On.png		Icon_On.png
General TOGGLE I/O		
		
Icon_IO.png	Icon_IO.png	Icon_IO.png
General OFF		
		
Icon_Disable.png	Icon_Disable.png	
General ON		
		
Icon_Enable.png		Icon_Enable.png
General TOGGLE		
		
Icon_Enable.png	Icon_Disable.png	Icon_Enable.png
General STATUS		
		
Icon_Enable.png	Icon_Disable.png	Icon_Enable.png
<b>Switching Miscellaneous</b>	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
EU socket TOGGLE		
		





















**07 0B IP Control Center 983501**

Icon_EU on.png	Icon_EU off.png	Icon_EU on.png
EU socket OFF		
		
Icon_EU off.png	Icon_EU off.png	
EU socket ON		
		
Icon_EU on.png		Icon_EU on.png
Swiss socket TOGGLE		
		
Icon_Swiss on.png	Icon_Swiss off.png	Icon_Swiss on.png
Swiss socket OFF		
		
Icon_Swiss off.png	Icon_Swiss off.png	
Swiss socket ON		
		
Icon_Swiss on.png		Icon_Swiss on.png
Occupied TOGGLE		
		
Icon_Occupied.png	Icon_Unoccupied_alt.png	Icon_Occupied.png
Occupied		
		
Icon_Occupied.png		Icon_Occupied.png
Unoccupied		
		
Icon_Unoccupied_alt.png	Icon_Unoccupied_alt.png	
Heating OFF		
		
Icon_Heating off.png	Icon_Heating off.png	
Heating ON		
		





















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**07 0B IP Control Center 983501**

Icon_Heating on.png		Icon_Heating on.png
Boiler OFF		
		
Icon_Boiler off.png	Icon_Boiler off.png	
Boiler ON		
		
Icon_Boiler on.png		Icon_Boiler on.png
Beamer OFF		
		
Icon_Beamer off.png	Icon_Beamer off.png	
Beamer ON		
		
Icon_Beamer on.png		Icon_Beamer on.png
Fax machine OFF		
		
Icon_FaxB off.png	Icon_FaxB off.png	
Fax machine ON		
		
Icon_FaxB on.png		Icon_FaxB on.png
Notebook OFF		
		
Icon_Notebook off.png	Icon_Notebook off.png	
Notebook ON		
		
Icon_Notebook on.png		Icon_Notebook on.png
Printer OFF		
		
Icon_Printer off.png	Icon_Printer off.png	
Printer ON		
		
Icon_Printer on.png		Icon_Printer on.png
Monitor OFF		





















**07 0B IP Control Center 983501**

		
Icon_Screen.png	Icon_Screen.png	
Monitor ON		
		
Icon_Screen (2).png		Icon_Screen (2).png
Coffee machine OFF		
		
Icon_Coffeemachine off.png	Icon_Coffeemachine off.png	
Coffee machine ON		
		
Icon_Coffeemachine on.png		Icon_Coffeemachine on.png
TV OFF		
		
Icon_TV.png	Icon_TV.png	
TV ON		
		
Icon_TV on.png		Icon_TV on.png
Microwave OFF		
		
Icon_Microwave off.png	Icon_Microwave off.png	
Microwave ON		
		
Icon_Microwave on.png		Icon_Microwave on.png
Washing machine OFF		
		
Icon_Washmachine off.png	Icon_Washmachine off.png	
Washing machine ON		
		
Icon_Washmachine on.png		Icon_Washmachine on.png
Oven OFF		























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**07 0B IP Control Center 983501**

		
Icon_Oven off.png	Icon_Oven off.png	
Oven ON		
		
Icon_Oven on.png		Icon_Oven on.png
Dishwasher OFF		
		
Icon_Dishwasher off.png	Icon_Dishwasher off.png	
Dishwasher ON		
		
Icon_Dishwasher on.png		Icon_Dishwasher on.png
Fridge OFF		
		
Icon_Fridge off.png	Icon_Fridge off.png	
Fridge ON		
		
Icon_Fridge on.png		Icon_Fridge on.png
Fume extraction hood OFF		
		
Icon_Fume off.png	Icon_Fume off.png	
Fume extraction hood ON		
		
Icon_Fume on.png		Icon_Fume on.png
Electric iron OFF		
		
Icon_Iron off.png	Icon_Iron off.png	
Electric iron ON		
		
Icon_Iron on.png		Icon_Iron on.png
Fountain OFF		

**07 0B IP Control Center 983501**



























		
Icon_Fountain off Kopie.png	Icon_Fountain off Kopie.png	
Fountain ON		
		
Icon_Fountain on.png		Icon_Fountain on.png
Forced controlled OFF		
		
Icon_Guide off.png	Icon_Guide off.png	
Forced controlled ON		
		
Icon_Guide on.png		Icon_Guide on.png
<b>Switching Light</b>	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
Light OFF		
		
Icon_Light off.png	Icon_Light off.png	
Light ON		
		
Icon_Light on.png		Icon_Light on.png
Light TOGGLE		
		
Icon_Light on.png	Icon_Light off.png	Icon_Light on.png
Light STATUS		
		
Icon_Light on.png	Icon_Light off.png	Icon_Light on.png
Ceiling Light OFF		
		
Icon_Ceiling off.png	Icon_Ceiling off.png	
Ceiling Light ON		
		
Icon_Ceiling on.png		Icon_Ceiling on.png































**Application program description**

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**07 0B IP Control Center 983501**

Ceiling Light TOGGLE		
		
Icon_Ceiling on.png	Icon_Ceiling off.png	Icon_Ceiling on.png
Ceiling Light STATUS		
		
Icon_Ceiling on.png	Icon_Ceiling off.png	Icon_Ceiling on.png
Floor lamp OFF		
		
Icon_Floor off.png	Icon_Floor off.png	
Floor lamp ON		
		
Icon_Floor on.png		Icon_Floor on.png
Floor lamp TOGGLE		
		
Icon_Floor on.png	Icon_Floor off.png	Icon_Floor on.png
Floor lamp STATUS		
		
Icon_Floor on.png	Icon_Floor off.png	Icon_Floor on.png
Desk lamp TOGGLE		
		
Icon_Desk off.png	Icon_Desk off.png	
Desk lamp ON		
		
Icon_Desk on.png		Icon_Desk on.png
Desk lamp TOGGLE		
		
Icon_Desk on.png	Icon_Desk off.png	Icon_Desk on.png
Desk lamp STATUS		
		
Icon_Desk on.png	Icon_Desk off.png	Icon_Desk on.png
Wall lamp OFF		































**07 0B IP Control Center 983501**

		
Icon_Wall off.png	Icon_Wall off.png	
<b>Wall lamp ON</b>		
		
Icon_Wall on.png		Icon_Wall on.png
<b>Wall lamp TOGGLE</b>		
		
Icon_Wall on.png	Icon_Wall off.png	Icon_Wall on.png
<b>Wall lamp STATUS</b>		
		
Icon_Wall on.png	Icon_Wall off.png	Icon_Wall on.png
<b>Status General</b>		
	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
<b>EU socket Status</b>		
		
Icon_EU on.png	Icon_EU off.png	Icon_EU on.png
<b>Swiss socket Status</b>		
		
Icon_Swiss on.png	Icon_Swiss off.png	Icon_Swiss on.png
<b>Occupied Status</b>		
		
Icon_Occupied.png	Icon_Unoccupied_alt.png	Icon_Occupied.png
<b>Heating Status</b>		
		
Icon_Heating on.png	Icon_Heating off.png	Icon_Heating on.png
<b>Boiler Status</b>		
		
Icon_Boiler on.png	Icon_Boiler off.png	Icon_Boiler on.png
<b>Beamer Status</b>		
		
Icon_Beamer on.png	Icon_Beamer off.png	Icon_Beamer on.png




























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**07 0B IP Control Center 983501**

Fax machine Status		
		
Icon_FaxB on.png	Icon_FaxB off.png	Icon_FaxB on.png
Notebook Status		
		
Icon_Notebook on.png	Icon_Notebook off.png	Icon_Notebook on.png
Printer Status		
		
Icon_Printer on.png	Icon_Printer off.png	Icon_Printer on.png
Monitor Status		
		
Icon_Screen (2).png	Icon_Screen.png	Icon_Screen (2).png
Coffee machine Status		
		
Icon_Coffeemachine on.png	Icon_Coffeemachine off.png	Icon_Coffeemachine on.png
TV Status		
		
Icon_TV on.png	Icon_TV.png	Icon_TV on.png
Microwave Status		
		
Icon_Microwave on.png	Icon_Microwave off.png	Icon_Microwave on.png
Washing machine Status		
		
Icon_Washmachine on.png	Icon_Washmachine off.png	Icon_Washmachine on.png
Oven Status		
		
Icon_Oven on.png	Icon_Oven off.png	Icon_Oven on.png
Dishwasher Status		
		
Icon_Dishwasher on.png	Icon_Dishwasher off.png	Icon_Dishwasher on.png


























**07 0B IP Control Center 983501**

Fridge Status		
		
Icon_Fridge on.png	Icon_Fridge off.png	Icon_Fridge on.png
Fume extraction hood Status		
		
Icon_Fume on.png	Icon_Fume off.png	Icon_Fume on.png
Electric iron Status		
		
Icon_Iron on.png	Icon_Iron off.png	Icon_Iron on.png
Fountain Status		
		
Icon_Fountain on.png	Icon_Fountain off Kopie.png	Icon_Fountain on.png
Forced controlled Status		
		
Icon_Guide on.png	Icon_Guide off.png	Icon_Guide on.png
Sunblind Status		
		
Icon_Shutter.png	Icon_Shutter off.png	Icon_Shutter on.png
Awning Status		
		
Icon_Awning on.png	Icon_Awning off.png	Icon_Awning on.png
Windows Status		
		
Icon_Window open.png	Icon_Window closed.png	Icon_Window open.png
Rooflight Status		
		
Icon_Rooflight off Kopie.png	Icon_Rooflight off.png	Icon_Rooflight off Kopie.png
Door Status		



















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**07 0B IP Control Center 983501**

		
Icon_Door open.png	Icon_Door closed.png	Icon_Door open.png
<b>Domelight Status</b>		
		
Icon_Domelight on.png	Icon_Domelight off.png	Icon_Domelight on.png
<b>Garage door Status</b>		
		
Icon_Garage on.png	Icon_Garage off.png	Icon_Garage on.png
<b>Air quality Status</b>		
		
Icon_Air Quality.png	Icon_Air Poor.png	Icon_Air Quality.png
<b>Value Status</b>		
		<b>Value</b>
Icon_Value-Status.png		
<b>Shutter/Blind</b>		
	<b>Value 0 (UP)</b>	<b>Value 1 (DOWN)</b>
Sunblind TOGGLE (short/long press)		
		
Icon_Blind.png	Icon_Blind.png	Icon_Blind.png
Sunblind TOGGLE (short/long press)		
		
Icon_Awning.png	Icon_Awning.png	Icon_Awning.png
Sunblind TOGGLE (short/long press)		
		
Icon_Blind 2.png	Icon_Blind 2.png	Icon_Blind 2.png
Shutter TOGGLE (short/long press)		
		
Icon_Shutter.png	Icon_Shutter.png	Icon_Shutter.png





















**07 0B IP Control Center 983501**

UP command (short/long press)		
		
Icon_Up_1.png	Icon_Up_1.png	
DOWN command (short/long press)		
		
Icon_Down_1.png		Icon_Down_1.png
UP command		
		
Icon_Up_1.png	Icon_Up_1.png	
DOWN command		
		
Icon_Down_1.png		Icon_Down_1.png
UP command		
		
Icon_Up_2.png	Icon_Up_2.png	
DOWN command		
		
Icon_Down_2.png		Icon_Down_2.png
Subblind UP (short/long press)		
		
Icon_Blind up.png	Icon_Blind up.png	
Sunblind DOWN (short/long press)		
		
Icon_Blind down.png		Icon_Blind down.png
Sunblind UP		
		
Icon_Blind up.png	Icon_Blind up.png	
Sunblind DOWN		





















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Icon_Blind down.png		Icon_Blind down.png
Slat UP		
		
Icon_Blade open.png		Icon_Blade open.png
Slat DOWN		
		
Icon_Blade closed.png	Icon_Blade closed.png	
Shutter UP		
		
Icon_Shutter up.png	Icon_Shutter up.png	
Shutter DOWN		
		
Icon_Schutter down.png		Icon_Schutter down.png
Awning OPEN		
		
Icon_Awning on.png		Icon_Awning on.png
Awning CLOSED		
		
Icon_Awning off.png	Icon_Awning off.png	
Window OPEN		
		
Icon_Window open.png		Icon_Window open.png
Window CLOSED		
		
Icon_Window closed.png	Icon_Window closed.png	
Rooflight OPEN		
		
Icon_Rooflight off Kopie.png		Icon_Rooflight off Kopie.png
Rooflight CLOSED		

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








		
Icon_Rooflight off.png	Icon_Rooflight off.png	
Door OPEN		
		
Icon_Door open.png		Icon_Door open.png
Door CLOSED		
		
Icon_Door closed.png	Icon_Door closed.png	
Domelight OPEN		
		
Icon_Domelight on.png		Icon_Domelight on.png
Domelight CLOSED		
		
Icon_Domelight off.png	Icon_Domelight off.png	
Garage door OPEN		
		
Icon_Garage on.png	Icon_Garage on.png	
Garage door CLOSED		
		
Icon_Garage off.png		Icon_Garage off.png
Canvas UP		
		
Icon_Canvas off.png	Icon_Canvas off.png	
Canvas DOWN		
		
Icon_Canvas on.png		Icon_Canvas on.png
STOP command		
		
Icon_Stop.png	Icon_Stop.png	
























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HVAC	Value 0	Value 1
Manual mode		
		
Icon_Manual (2).png	Icon_Manual (2).png	
Automatic mode		
		
Icon_Auto_2.png		Icon_Auto_2.png
Automatic mode Status		
		
Icon_Auto_2.png	Icon_Manual (2).png	Icon_Auto_2.png
Comfort mode		
		
Icon_Comfort_2.png		Icon_Comfort_2.png
Pre-Comfort mode		
		
Icon_Precomfort (2).png		Icon_Precomfort (2).png
Economy mode		
		
Icon_Night_A.png		Icon_Night_A.png
Protection mode		
		
Icon_Protection.png		Icon_Protection.png
Comfort Prolongation		
		
Icon_Prolongation.png		Icon_Prolongation.png
Heating / cooling		
		
Icon_Heating_State.png		Icon_Heating_State.png
Heating / cooling Status		



















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Icon_Heating_State.png	Icon_Cooling_State.png	Icon_Heating_State.png
Dewpoint mode Status		
		
Icon_Humidity.png		Icon_Humidity.png
Frost protection Status		
		
Icon_Frost.png		Icon_Frost.png
Fan stage 0		
		
Icon_fanstage-0.png		Icon_fanstage-0.png
Fan stage 1		
		
Icon_fanstage-1.png		Icon_fanstage-1.png
Fan stage 2		
		
Icon_fanstage-2.png		Icon_fanstage-2.png
Fan stage 3		
		
Icon_fanstage-3.png		Icon_fanstage-3.png
Fan stage 4		
		
Icon_fanstage-4.png		Icon_fanstage-4.png
Fan stage 5		
		
Icon_fanstage-5.png		Icon_fanstage-5.png
<b>Scenes</b>		Value 1
Scene meeting		
		

















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February 2015







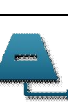
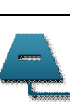
**07 0B IP Control Center 983501**

Icon_Meeting.png		Icon_Meeting.png
Scene presentation		
		
Icon_Presentation.png		Icon_Presentation.png
Scene occupied		
		
Icon_Occupied.png		Icon_Occupied.png
Scene unoccupied		
		
Icon_Unoccupied_alt.png		Icon_Unoccupied_alt.png
Scene green leaf		
		
Icon_Green Leaf.png		Icon_Green Leaf.png
Scene working		
		
Icon_Working.png		Icon_Working.png
Scene break		
		
Icon_Break.png		Icon_Break.png
Scene relax		
		
Icon_Couch.png		Icon_Couch.png
Scene dinner		
		
Icon_Dinner.png		Icon_Dinner.png
Scene cooking		
		
Icon_Kitchen.png		Icon_Kitchen.png
Scene party		










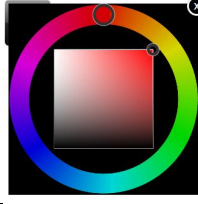





**07 0B IP Control Center 983501**

		
<small>Icon_Party.png</small>		<small>Icon_Party.png</small>
Scene fireplace		
		
<small>Icon_Fireplace.png</small>		<small>Icon_Fireplace.png</small>
Scene sleep		
		
<small>Icon_Sleep.png</small>		<small>Icon_Sleep.png</small>
<b>Advanced Elements</b>	Individual values into dependence of the datapoint type and the selected advanced element	
Step +		
		
<small>Icon_Plus.png</small>		<small>Icon_Plus.png</small>
Stufe -		
		
<small>Icon_Minus.png</small>		<small>Icon_Minus.png</small>
Fan +		
		
<small>Icon_fanstage-up.png</small>		<small>Icon_fanstage-up.png</small>
Fan -		
		
<small>Icon_fanstage-down.png</small>		<small>Icon_fanstage-down.png</small>
Light+		
		
<small>Icon_Light on Plus.png</small>		<small>Icon_Light on Plus.png</small>
Light-		






























**07 0B IP Control Center 983501**

		
Icon_Light off Plus 92.png		Icon_Light off Plus 92.png
Ceiling light+		
		
Icon_Ceiling on Plus.png		Icon_Ceiling on Plus.png
Ceiling light-		
		
Icon_Ceiling on Minus.png		Icon_Ceiling on Minus.png
Floor lamp +		
		
Icon_Floor on Plus.png		Icon_Floor on Plus.png
Floor lamp -		
		
Icon_Floor on Minus.png		Icon_Floor on Minus.png
Desk lamp +		
		
Icon_Desk on Plus.png		Icon_Desk on Plus.png
Desk lamp -		
		
Icon_Desk on Minus.png		Icon_Desk on Minus.png
Wall lamp +		
		
Icon_Wall on Plus.png		Icon_Wall on Plus.png
Wall lamp -		
		
Icon_Wall on Minus.png		Icon_Wall on Minus.png
Slider Type 1 horizontal		



















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Icon_Slider_B_horizontal.png		
Slider Type 1 vertical		
		
Icon_Slider_B_vertical.png		
Slider Type 2 horizontal		
		
Icon_Slider-A_horizontal.png		
Slider Type 2 vertical		
		
Icon_Slider-A_vertical.png		
RGB		
		
Icon_RGB.png		
Gauge		
		
Icon_General-Analog.png		
Matrix Element		
		
Icon_Thumbnails.png	Icon_Thumbnails.png	Icon_Thumbnails.png
Operating mode element		

**07 0B IP Control Center 983501**

											
Icon_General Multistate.png			Icon_Comfort 2.png	Icon_Precomfort (2).png	Icon_Night_A.png	Icon_Protection.png					
Operating mode element with auto											
											
Icon_General Multistate.png		Icon_Auto_2.png	Icon_Comfort 2.png	Icon_Precomfort (2).png	Icon_Night_A.png	Icon_Protection.png					
Fan element 3 steps											
											
Icon_Fan.png			Icon_Fanstage0.png	Icon_Fanstage1.png	Icon_Fanstage2.png	Icon_Fanstage3.png					
Fan element 5 steps											
											
Icon_Fan.png	Icon_Fanstage0.png	Icon_Fanstage1.png	Icon_Fanstage2.png	Icon_Fanstage3.png	Icon_Fanstage4.png	Icon_Fanstage5.png					
Advanced element											
						Value					
Icon_NavigationSettings.png											
Send value											
						<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 5px 10px;">43</td> <td style="padding: 5px 5px; text-align: center;">▲</td> <td rowspan="2" style="padding: 5px 10px; text-align: center;">SEND</td> </tr> <tr> <td></td> <td style="padding: 5px 5px; text-align: center;">▼</td> </tr> </table>	43	▲	SEND		▼
43	▲	SEND									
	▼										
Icon_Value-Input.png											
Alarm Status											
											
Icon_OK NotAckn.png						Icon_OK NotAckn.png					
<b>Audio / Video</b>											
<b>Datapoint types and pre-defined values individually adjustably</b>											
Enable											
											
Icon_Enable.png						Icon_Enable.png					
Put on standby											

**07 0B IP Control Center 983501**

















		
Icon_Standby.png		Icon_Standby.png
Sound ON		
		
Icon_Sound on.png		Icon_Sound on.png
Sound OFF		
		
Icon_Sound off.png		Icon_Sound off.png
Sound mute		
		
Icon_Sound mute.png		Icon_Sound mute.png
Begin		
		
Icon_Begin.png		Icon_Begin.png
End		
		
Icon_End.png		Icon_End.png
Fast rewind		
		
Icon_Fast Rewind.png		Icon_Fast Rewind.png
Fast Forward		
		
Icon_Fast_Forward.png		Icon_Fast_Forward.png
Pause		
		
Icon_Pause.png		Icon_Pause.png









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Play		
		
Icon_Play.png		Icon_Play.png
Stop		
		
Icon_Stop.png		Icon_Stop.png
Record		
		
Icon_Record.png		Icon_Record.png
Eject		
		
Icon_Eject.png		Icon_Eject.png
Shuffle		
		
Icon_Shuffle.png		Icon_Shuffle.png
Frequency		
		
Icon_Slider-B.png		Icon_Slider-B.png
AV		
		
Icon_AV.png		Icon_AV.png
<b>Navigation elements</b>		
Container		
		
Icon_Site.png		
Page navigator		

**07 0B IP Control Center 983501**

		<a href="#">Link</a>
Icon_Navigation.png		
Label		
		Label
Icon_ID.png		
Image		
		
Icon_Picture.png		
Touch Display Settings		
		
Icon_Settings.png		Icon_Settings.png

Additional Icons are on the IP Control Center in the path:












































































*visuelements\standard\blue\_transparent*

									
Icon_Activation.png	Icon_Alarm_ok.png	Icon_Alarm_state.png	Icon_Alarm--Ackn.png	Icon_Alarm-Fire_V2.png	Icon_Alarm-Gas.png	Icon_Audio.png	Icon_Auto.png	Icon_Bag_A.png	Icon_Bag_B.png
									
Icon_Bath.png	Icon_Battery.png	Icon_Blade_Position.png	Icon_blind_2_position.png	Icon_Blind_Position.png	Icon_Burner.png	Icon_Calendar.png	Icon_Cancel.png	Icon_Cleaning.png	Icon_Clock.png
									
Icon_Cloud.png	Icon_Cloudy.png	Icon_Comfort.png	Icon_Contrast.png	Icon_Cooling_State.png	Icon_Cut.png	Icon_Delete.png	Icon_DHW.png	Icon_Dimming.png	Icon_Dimming_2.png
									
Icon_Dinner.png	Icon_Document.png	Icon_DoNotDisturb.png	Icon_Economy.png	Icon_Edit.png	Icon_Effect.png	Icon_Escape_Right.png	Icon_Exit.png	Icon_Favorites.png	Icon_FaxA-off.png

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Icon_FaxA-on.png	Icon_Fire-Sensor.png	Icon_Folder.png	Icon_Forward.png	Icon_Garage_Car.png	Icon_Garden.png	Icon_Wind.png	Icon_Global.png	Icon_Green-Leaf.png	Icon_Green-Leaf-alt.png
									
Icon_Gym.png	Icon_Heat pump.png	Icon_Help.png	Icon_Home.png	Icon_Hour glass.png	Icon_Humidity.png	Icon_Information.png	Icon_IP_Camera_B.png	Icon_IP_Camera_C.png	Icon_Language.png
									
Icon_Library.png	Icon_Lifesafety.png	Icon_List.png	Icon_Location.png	Icon_Lock.png	Icon_Login.png	Icon_Logout.png	Icon_Maintenance.png	Icon_Make-Room.png	Icon_Manual.png
									
Icon_Network.png	Icon_Night_B.png	Icon_No Access.png	Icon_Notification.png	Icon_Office.png	Icon_OK.png	Icon_Ok--Akn.png	Icon_Out-of-Service.png	Icon_Outside-Temperature.png	Icon_Outside-Temperature_alt.png
									
Icon_Phone.png	Icon_Plant.png	Icon_Pool.png	Icon_Power.png	Icon_Precom fort.png	Icon_Rain.png	Icon_Repeat.png	Icon_Reply.png	Icon_Return.png	Icon_RGBw.png
									
Icon_Room-Temperature.png	Icon_Save.png	Icon_Scenes.png	Icon_Service.png	Icon_Set.png	Icon_Set_Value.png	Icon_Shutter_position.png	Icon_Step-0.png	Icon_Step-1.png	Icon_Step-2.png
									
Icon_Step-3.png	Icon_Storm.png	Icon_Sun.png	Icon_Sunblind Position.png	Icon_Support.png	Icon_Switch.png	Icon_Temperature.png	Icon_Temperature_set.png	Icon_Trend.png	Icon_Unlock.png
									
Icon_Usergroup.png	Icon_Warning.png	Icon_Water.png	Icon_Weather.png	Icon_Wifi.png					

**07 0B IP Control Center 983501**

**15.4 Creme frame**

Operating- and display categories

Function preview	Value: 0 (Off)	Value 1 (On)
<b>Switching general</b>		
General OFF		
 Icon_Off.png	 Icon_Off.png	
General ON		
 Icon_On.png		 Icon_On.png
General TOGGLE I/O		
 Icon_IO.png	 Icon_IO.png	 Icon_IO.png
General OFF		
 Icon_Disable.png	 Icon_Disable.png	
General ON		
 Icon_Enable.png		 Icon_Enable.png
General TOGGLE		
 Icon_Enable.png	 Icon_Disable.png	 Icon_Enable.png
General STATUS		
 Icon_Enable.png	 Icon_Disable.png	 Icon_Enable.png

**Application program description**

February 2015

**07 0B IP Control Center 983501**

Switching Miscellaneous	Value: 0 (Off)	Value: 1 (On)
EU socket TOGGLE		
		
Icon_EU on.png	Icon_EU off.png	Icon_EU on.png
EU socket OFF		
		
Icon_EU off.png	Icon_EU off.png	
EU socket ON		
		
Icon_EU on.png		Icon_EU on.png
Swiss socket TOGGLE		
		
Icon_Swiss on.png	Icon_Swiss off.png	Icon_Swiss on.png
Swiss socket OFF		
		
Icon_Swiss off.png	Icon_Swiss off.png	
Swiss socket ON		
		
Icon_Swiss on.png		Icon_Swiss on.png
Occupied TOGGLE		
		
Icon_Occupied.png	Icon_Unoccupied_alt.png	Icon_Occupied.png
Occupied		
		
Icon_Occupied.png		Icon_Occupied.png
Unoccupied		



















**07 0B IP Control Center 983501**

		
Icon_Unoccupied_alt.png	Icon_Unoccupied_alt.png	
Heating OFF		
		
Icon_Heating off.png	Icon_Heating off.png	
Heating ON		
		
Icon_Heating on.png		Icon_Heating on.png
Boiler OFF		
		
Icon_Boiler off.png	Icon_Boiler off.png	
Boiler ON		
		
Icon_Boiler on.png		Icon_Boiler on.png
Beamer OFF		
		
Icon_Beamer off.png	Icon_Beamer off.png	
Beamer ON		
		
Icon_Beamer on.png		Icon_Beamer on.png
Fax machine OFF		
		
Icon_FaxB off.png	Icon_FaxB off.png	
Fax machine ON		















**Application program description**

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Icon_FaxB on.png		Icon_FaxB on.png
Notebook OFF		
		
Icon_Notebook off.png	Icon_Notebook off.png	
Notebook ON		
		
Icon_Notebook on.png		Icon_Notebook on.png
Printer OFF		
		
Icon_Printer off.png	Icon_Printer off.png	
Printer ON		
		
Icon_Printer on.png		Icon_Printer on.png
Monitor OFF		
		
Icon_Screen.png	Icon_Screen.png	
Monitor ON		
		
Icon_Screen (2).png		Icon_Screen (2).png
Coffee machine OFF		
		
Icon_Coffeemachine off.png	Icon_Coffeemachine off.png	
Coffee machine ON		
		

**07 0B IP Control Center 983501**



Icon_Coffeemachine on.png		Icon_Coffeemachine on.png
TV OFF		
		
Icon_TV.png	Icon_TV.png	
TV ON		
		
Icon_TV on.png		Icon_TV on.png
Microwave OFF		
		
Icon_Microwave off.png	Icon_Microwave off.png	
Microwave ON		
		
Icon_Microwave on.png		Icon_Microwave on.png
Washing machine OFF		
		
Icon_Washmachine off.png	Icon_Washmachine off.png	
Washing machine ON		
		
Icon_Washmachine on.png		Icon_Washmachine on.png
Oven OFF		
		
Icon_Oven off.png	Icon_Oven off.png	
Oven ON		
		
Icon_Oven on.png		Icon_Oven on.png
Dishwasher OFF		



**Application program description**

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**07 0B IP Control Center 983501**

		
Icon_Dishwasher off.png	Icon_Dishwasher off.png	
Dishwasher ON		
		
Icon_Dishwasher on.png		Icon_Dishwasher on.png
Fridge OFF		
		
Icon_Fridge off.png	Icon_Fridge off.png	
Fridge ON		
		
Icon_Fridge on.png		Icon_Fridge on.png
Fume extraction hood OFF		
		
Icon_Fume off.png	Icon_Fume off.png	
Fume extraction hood ON		
		
Icon_Fume on.png		Icon_Fume on.png
Electric iron OFF		
		
Icon_Iron off.png	Icon_Iron off.png	
Electric iron ON		
		
Icon_Iron on.png		Icon_Iron on.png
Fountain OFF		























**07 0B IP Control Center 983501**

		
Icon_Fountain off Kopie.png	Icon_Fountain off Kopie.png	
<b>Fountain ON</b>		
		
Icon_Fountain on.png		Icon_Fountain on.png
<b>Forced controlled OFF</b>		
		
Icon_Guide off.png	Icon_Guide off.png	
<b>Forced controlled ON</b>		
		
Icon_Guide on.png		Icon_Guide on.png
<b>Switching Light</b>		
	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
<b>Light OFF</b>		
		
Icon_Light off.png	Icon_Light off.png	
<b>Light ON</b>		
		
Icon_Light on.png		Icon_Light on.png
<b>Light TOGGLE</b>		
		
Icon_Light on.png	Icon_Light off.png	Icon_Light on.png
<b>Light STATUS</b>		
		
Icon_Light on.png	Icon_Light off.png	Icon_Light on.png
<b>Ceiling Light OFF</b>		
















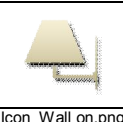
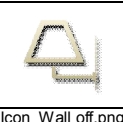
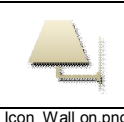
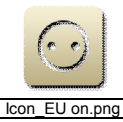
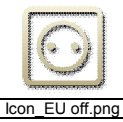
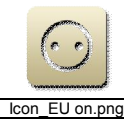
**Application program description**

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**07 0B IP Control Center 983501**

		
Icon_Ceiling off.png	Icon_Ceiling off.png	
Ceiling Light ON		
		
Icon_Ceiling on.png		Icon_Ceiling on.png
Ceiling Light TOGGLE		
		
Icon_Ceiling on.png	Icon_Ceiling off.png	Icon_Ceiling on.png
Ceiling Light STATUS		
		
Icon_Ceiling on.png	Icon_Ceiling off.png	Icon_Ceiling on.png
Floor lamp OFF		
		
Icon_Floor off.png	Icon_Floor off.png	
Floor lamp ON		
		
Icon_Floor on.png		Icon_Floor on.png
Floor lamp TOGGLE		
		
Icon_Floor on.png	Icon_Floor off.png	Icon_Floor on.png
Floor lamp STATUS		
		
Icon_Floor on.png	Icon_Floor off.png	Icon_Floor on.png
Desk lamp TOGGLE		
		
Icon_Desk off.png	Icon_Desk off.png	































**07 0B IP Control Center 983501**

Desk lamp ON		
		
Icon_Desk on.png		Icon_Desk on.png
Desk lamp TOGGLE		
		
Icon_Desk on.png	Icon_Desk off.png	Icon_Desk on.png
Desk lamp STATUS		
		
Icon_Desk on.png	Icon_Desk off.png	Icon_Desk on.png
Wall lamp OFF		
		
Icon_Wall off.png	Icon_Wall off.png	
Wall lamp ON		
		
Icon_Wall on.png		Icon_Wall on.png
Wall lamp TOGGLE		
		
Icon_Wall on.png	Icon_Wall off.png	Icon_Wall on.png
Wall lamp STATUS		
		
Icon_Wall on.png	Icon_Wall off.png	Icon_Wall on.png
<b>Status General</b>		
	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
EU socket Status		
		
Icon_EU on.png	Icon_EU off.png	Icon_EU on.png
Swiss socket Status		




























**Application program description**

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
























**07 0B IP Control Center 983501**

		
Icon_Swiss on.png	Icon_Swiss off.png	Icon_Swiss on.png
<b>Occupied Status</b>		
		
Icon_Occupied.png	Icon_Unoccupied_alt.png	Icon_Occupied.png
<b>Heating Status</b>		
		
Icon_Heating on.png	Icon_Heating off.png	Icon_Heating on.png
<b>Boiler Status</b>		
		
Icon_Boiler on.png	Icon_Boiler off.png	Icon_Boiler on.png
<b>Beamer Status</b>		
		
Icon_Beamer on.png	Icon_Beamer off.png	Icon_Beamer on.png
<b>Fax machine Status</b>		
		
Icon_FaxB on.png	Icon_FaxB off.png	Icon_FaxB on.png
<b>Notebook Status</b>		
		
Icon_Notebook on.png	Icon_Notebook off.png	Icon_Notebook on.png
<b>Printer Status</b>		
		
Icon_Printer on.png	Icon_Printer off.png	Icon_Printer on.png
<b>Monitor Status</b>		
		
Icon_Screen (2).png	Icon_Screen.png	Icon_Screen (2).png
<b>Coffee machine Status</b>		
		
Icon_Coffeemachine on.png	Icon_Coffeemachine off.png	Icon_Coffeemachine on.png


















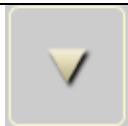
**07 0B IP Control Center 983501**

TV Status		
		
Icon_TV on.png	Icon_TV.png	Icon_TV on.png
Microwave Status		
		
Icon_Microwave on.png	Icon_Microwave off.png	Icon_Microwave on.png
Washing machine Status		
		
Icon_Washmachine on.png	Icon_Washmachine off.png	Icon_Washmachine on.png
Oven Status		
		
Icon_Oven on.png	Icon_Oven off.png	Icon_Oven on.png
Dishwasher Status		
		
Icon_Dishwasher on.png	Icon_Dishwasher off.png	Icon_Dishwasher on.png
Fridge Status		
		
Icon_Fridge on.png	Icon_Fridge off.png	Icon_Fridge on.png
Fume extraction hood Status		
		
Icon_Fume on.png	Icon_Fume off.png	Icon_Fume on.png
Electric iron Status		
		
Icon_Iron on.png	Icon_Iron off.png	Icon_Iron on.png
Fountain Status		
		
Icon_Fountain on.png	Icon_Fountain off.Kopie.png	Icon_Fountain on.png
Forced controlled Status		

**07 0B IP Control Center 983501**

		
Icon_Guide on.png	Icon_Guide off.png	Icon_Guide on.png
Sunblind Status		
		
Icon_Shutter.png	Icon_Shutter off.png	Icon_Shutter on.png
Awning Status		
		
Icon_Awning on.png	Icon_Awning off.png	Icon_Awning on.png
Windows Status		
		
Icon_Window open.png	Icon_Window closed.png	Icon_Window open.png
Rooflight Status		
		
Icon_Rooflight off Kopie.png	Icon_Rooflight off.png	Icon_Rooflight off Kopie.png
Door Status		
		
Icon_Door open.png	Icon_Door closed.png	Icon_Door open.png
Domelight Status		
		
Icon_Domelight on.png	Icon_Domelight off.png	Icon_Domelight on.png
Garage door Status		
		
Icon_Garage on.png	Icon_Garage off.png	Icon_Garage on.png
Air quality Status		
		
Icon_Air Quality on.png	Icon_Air Poor.png	Icon_Air Quality on.png
Value Status (transparent)		
		Value
Icon_Value-Status.png		

**07 0B IP Control Center 983501**

















Value Status		
		
Icon_Value-Status.png		
<b>Shutter/Blind</b>	<b>Value 0 (UP)</b>	<b>Value 1 (DOWN)</b>
Sunblind TOGGLE (short/long press)		
		
Icon_Blind.png	Icon_Blind.png	Icon_Blind.png
Sunblind TOGGLE (short/long press)		
		
Icon_Awning.png	Icon_Awning.png	Icon_Awning.png
Sunblind TOGGLE (short/long press)		
		
Icon_Blind 2.png	Icon_Blind 2.png	Icon_Blind 2.png
Shutter TOGGLE (short/long press)		
		
Icon_Shutter.png	Icon_Shutter.png	Icon_Shutter.png
UP command (short/long press)		
		
Icon_Up_1.png	Icon_Up_1.png	
DOWN command (short/long press)		
		
Icon_Down_1.png		Icon_Down_1.png
UP command		




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Icon_Up_1.png	Icon_Up_1.png	
DOWN command		
		
Icon_Down_1.png		Icon_Down_1.png
UP command		
		
Icon_Up_2.png	Icon_Up_2.png	
DOWN command		
		
Icon_Down_2.png		Icon_Down_2.png
Subblind UP (short/long press)		
		
Icon_Blind up.png	Icon_Blind up.png	
Sunblind DOWN (short/long press)		
		
Icon_Blind down.png		Icon_Blind down.png
Sunblind UP		
		
Icon_Blind up.png	Icon_Blind up.png	
Sunblind DOWN		
		
Icon_Blind down.png		Icon_Blind down.png
Slat UP		





**07 0B IP Control Center 983501**

		
Icon_Blade_open.png		Icon_Blade_open.png
Slat DOWN		
		
Icon_Blade_closed.png	Icon_Blade_closed.png	
Shutter UP		
		
Icon_Shutter up.png	Icon_Shutter up.png	
Shutter DOWN		
		
Icon_Schutter down.png		Icon_Schutter down.png
Awning OPEN		
		
Icon_Awning on.png		Icon_Awning on.png
Awning CLOSED		
		
Icon_Awning off.png	Icon_Awning off.png	
Window OPEN		
		
Icon_Window open.png		Icon_Window open.png
Window CLOSED		
		
Icon_Window closed.png	Icon_Window closed.png	
Rooflight OPEN		












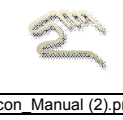





**Application program description**

February 2015











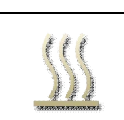








**07 0B IP Control Center 983501**

		
Icon_Rooflight off Kopie.png		Icon_Rooflight off Kopie.png
Rooflight CLOSED		
		
Icon_Rooflight off.png	Icon_Rooflight off.png	
Door OPEN		
		
Icon_Door open.png		Icon_Door open.png
Door CLOSED		
		
Icon_Door closed.png	Icon_Door closed.png	
Domelight OPEN		
		
Icon_Domelight on.png		Icon_Domelight on.png
Domelight CLOSED		
		
Icon_Domelight off.png	Icon_Domelight off.png	
Garage door OPEN		
		
Icon_Garage on.png	Icon_Garage on.png	
Garage door CLOSED		
		
Icon_Garage off.png		Icon_Garage off.png
Canvas UP		

**07 0B IP Control Center 983501**

		
Icon_Canvas off.png	Icon_Canvas off.png	
Canvas DOWN		
		
Icon_Canvas on.png		Icon_Canvas on.png
STOP command		
		
Icon_Stop.png	Icon_Stop.png	
<b>HVAC</b>		
<b>Value 0</b>		
<b>Value 1</b>		
Manual mode		
		
Icon_Manual (2).png	Icon_Manual (2).png	
Automatic mode		
		
Icon_Auto 2.png		Icon_Auto 2.png
Automatic mode Status		
		
Icon_Auto 2.png	Icon_Manual (2).png	Icon_Auto 2.png
Comfort mode		
		
Icon_Comfort 2.png		Icon_Comfort 2.png
Pre-Comfort mode		
		
Icon_Precomfort (2).png		Icon_Precomfort (2).png
Economy mode		

**07 0B IP Control Center 983501**

		
Icon_Night_A.png		Icon_Night_A.png
Protection mode		
		
Icon_Protection.png		Icon_Protection.png
Comfort Prolongation		
		
Icon_Prolongation.png		Icon_Prolongation.png
Heating / cooling		
		
Icon_Heating_State.png		Icon_Heating_State.png
Heating / cooling Status		
		
Icon_Heating_State.png	Icon_Cooling_State.png	Icon_Heating_State.png
Dewpoint mode Status		
		
Icon_Humidity.png		Icon_Humidity.png
Frost protection Status		
		
Icon_Frost.png		Icon_Frost.png
Fan stage 0		
		
Icon_fanstage-0.png		Icon_fanstage-0.png
Fan stage 1		
		
Icon_fanstage-1.png		Icon_fanstage-1.png

07 0B IP Control Center 983501

Fan stage 2		
	Icon_fanstage-2.png	Icon_fanstage-2.png
Fan stage 3		
	Icon_fanstage-3.png	Icon_fanstage-3.png
Fan stage 4		
	Icon_fanstage-4.png	Icon_fanstage-4.png
Fan stage 5		
	Icon_fanstage-5.png	Icon_fanstage-5.png
<b>Scenes</b>		Value 1
Scene meeting		
	Icon_Meeting.png	Icon_Meeting.png
Scene presentation		
	Icon_Presentation.png	Icon_Presentation.png
Scene occupied		
	Icon_Occupied.png	Icon_Occupied.png
Scene unoccupied		
	Icon_Unoccupied_alt.png	Icon_Unoccupied_alt.png
Scene green leaf		

















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**07 0B IP Control Center 983501**

		
Icon_Green Leaf.png		Icon_Green Leaf.png
Scene working		
		
Icon_Working.png		Icon_Working.png
Scene break		
		
Icon_Break.png		Icon_Break.png
Scene relax		
		
Icon_Couch.png		Icon_Couch.png
Scene dinner		
		
Icon_Dinner.png		Icon_Dinner.png
Scene cooking		
		
Icon_Kitchen.png		Icon_Kitchen.png
Scene party		
		
Icon_Party.png		Icon_Party.png
Scene fireplace		
		
Icon_Fireplace.png		Icon_Fireplace.png
Scene sleep		

**07 0B IP Control Center 983501**

















		
Icon_Sleep.png		Icon_Sleep.png
<b>Advanced Elements</b>	Individual values into dependence of the datapoint type and the selected advanced element	
Step +		
		
Icon_Plus.png		Icon_Plus.png
Stufe -		
		
Icon_Minus.png		Icon_Minus.png
Fan +		
		
Icon_fanstage-up.png		Icon_fanstage-up.png
Fan -		
		
Icon_fanstage-down.png		Icon_fanstage-down.png
Light+		
		
Icon_Light on Plus.png		Icon_Light on Plus.png
Light-		
		
Icon_Light off Plus 92.png		Icon_Light off Plus 92.png
Ceiling light+		
		
Icon_Ceiling on Plus.png		Icon_Ceiling on Plus.png
Ceiling light-		








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**07 0B IP Control Center 983501**

		
Icon_Ceiling on Minus.png		Icon_Ceiling on Minus.png
Floor lamp +		
		
Icon_Floor on Plus.png		Icon_Floor on Plus.png
Floor lamp -		
		
Icon_Floor on Minus.png		Icon_Floor on Minus.png
Desk lamp +		
		
Icon_Desk on Plus.png		Icon_Desk on Plus.png
Desk lamp -		
		
Icon_Desk on Minus.png		Icon_Desk on Minus.png
Wall lamp +		
		
Icon_Wall on Plus.png		Icon_Wall on Plus.png
Wall lamp -		
		
Icon_Wall on Minus.png		Icon_Wall on Minus.png
Slider Type 1 horizontal		
		
Icon_Slider_B_horizontal.png		
Slider Type 1 vertical		









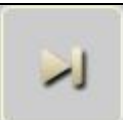






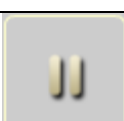
**07 0B IP Control Center 983501**

					
Icon_Slider_B_vertical.png					
Slider Type 2 horizontal					
					
Icon_Slider-A_horizontal.png					
Slider Type 2 vertical					
					
Icon_Slider-A_vertical.png					
RGB					
					
Icon_RGB.png					
Gauge					
					
Icon_General-Analog.png					
Matrix Element					
					
Icon_Thumbnails.png	Icon_Thumbnails.png	Icon_Thumbnails.png			
Operating mode element					
					
Icon_General Multistate.png		Icon_Comfort 2.png	Icon_Precomfort (2).png	Icon_Night_A.png	Icon_Protection.png
Operating mode element with auto					

**07 0B IP Control Center 983501**

						
Icon_General Multistate.png		Icon_Auto_2.png	Icon_Comfort_2.png	Icon_Precomfort (2).png	Icon_Night_A.png	Icon_Protection.png
<b>Fan element 3 steps</b>						
						
Icon_Fan.png			Icon_Fanstage0.png	Icon_Fanstage1.png	Icon_Fanstage2.png	Icon_Fanstage3.png
<b>Fan element 5 steps</b>						
						
Icon_Fan.png	Icon_Fanstage0.png	Icon_Fanstage1.png	Icon_Fanstage2.png	Icon_Fanstage3.png	Icon_Fanstage4.png	Icon_Fanstage5.png
<b>Advanced element</b>						
						
Icon_NavigationSettings.png				Value		
<b>Send value</b>						
						
Icon_Value-Input.png				43 [Up] [Down] SEND		
<b>Alarm Status</b>						
						
Icon_OK_NotAckn.png				Icon_OK_NotAckn.png		
<b>Audio / Video</b>			<b>Datapoint types and pre-defined values individually adjustably</b>			
<b>Enable</b>						
					Icon_Enable.png	
Icon_Enable.png					Icon_Enable.png	
<b>Put on standby</b>						
						
Icon_Standby.png					Icon_Standby.png	
<b>Sound ON</b>						











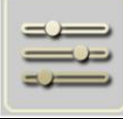
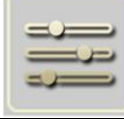


**07 0B IP Control Center 983501**

		
Icon_Sound on.png		Icon_Sound on.png
Sound OFF		
		
Icon_Sound off.png		Icon_Sound off.png
Sound mute		
		
Icon_Sound mute.png		Icon_Sound mute.png
Begin		
		
Icon_Begin.png		Icon_Begin.png
End		
		
Icon_End.png		Icon_End.png
Fast rewind		
		
Icon_Fast_Rewind.png		Icon_Fast_Rewind.png
Fast Forward		
		
Icon_Fast_Forward.png		Icon_Fast_Forward.png
Pause		
		
Icon_Pause.png		Icon_Pause.png
Play		















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**07 0B IP Control Center 983501**

		
Icon_Play.png		Icon_Play.png
Stop		
		
Icon_Stop.png		Icon_Stop.png
Record		
		
Icon_Record.png		Icon_Record.png
Eject		
		
Icon_Eject.png		Icon_Eject.png
Shuffle		
		
Icon_Shuffle.png		Icon_Shuffle.png
Frequency		
		
Icon_Slider-B.png		Icon_Slider-B.png
AV		
		
Icon_AV.png		Icon_AV.png
<b>Navigation elements</b>		
Container		

**07 0B IP Control Center 983501**

		
Icon_Site.png		
Page navigator (transparent)		
		
Icon_Navigation.png		
Page navigator		
		
Icon_Navigation.png		
Label (transparent)		
		
Icon_ID.png		
Label		
		
Icon_ID.png		
Image		
		
Icon_Picture.png		
Touch Display Settings		
		
Icon_Settings.png		Icon_Settings.png


















15.5 Creme ocher

**Application program description**
























February 2015

**07 0B IP Control Center 983501**

Operating- and display categories

Function preview	Value: 0 (Off)	Value 1 (On)
<b>Switching general</b>		
General OFF		
		
Icon_Off.png	Icon_Off.png	
General ON		
		
Icon_On.png		Icon_On.png
General TOGGLE I/O		
		
Icon_IO.png	Icon_IO.png	Icon_IO.png
General OFF		
		
Icon_Disable.png	Icon_Disable.png	
General ON		
		
Icon_Enable.png		Icon_Enable.png
General TOGGLE		
		
Icon_Enable.png	Icon_Disable.png	Icon_Enable.png
General STATUS		
		
Icon_Enable.png	Icon_Disable.png	Icon_Enable.png
<b>Switching Miscellaneous</b>	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
EU socket TOGGLE		

**07 0B IP Control Center 983501**













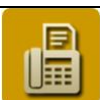
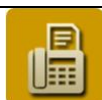



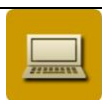


		
Icon_EU on.png	Icon_EU off.png	Icon_EU on.png
EU socket OFF		
		
Icon_EU off.png	Icon_EU off.png	
EU socket ON		
		
Icon_EU on.png		Icon_EU on.png
Swiss socket TOGGLE		
		
Icon_Swiss on.png	Icon_Swiss off.png	Icon_Swiss on.png
Swiss socket OFF		
		
Icon_Swiss off.png	Icon_Swiss off.png	
Swiss socket ON		
		
Icon_Swiss on.png		Icon_Swiss on.png
Occupied TOGGLE		
		
Icon_Occupied.png	Icon_Unoccupied_alt.png	Icon_Occupied.png
Occupied		
		
Icon_Occupied.png		Icon_Occupied.png
Unoccupied		
		
Icon_Unoccupied_alt.png	Icon_Unoccupied_alt.png	
Heating OFF		
		
Icon_Heating off.png	Icon_Heating off.png	























**Application program description**

February 2015

**07 0B IP Control Center 983501**

Heating ON		
		
Icon_Heating on.png		Icon_Heating on.png
Boiler OFF		
		
Icon_Boiler off.png	Icon_Boiler off.png	
Boiler ON		
		
Icon_Boiler on.png		Icon_Boiler on.png
Beamer OFF		
		
Icon_Beamer off.png	Icon_Beamer off.png	
Beamer ON		
		
Icon_Beamer on.png		Icon_Beamer on.png
Fax machine OFF		
		
Icon_FaxB off.png	Icon_FaxB off.png	
Fax machine ON		
		
Icon_FaxB on.png		Icon_FaxB on.png
Notebook OFF		
		
Icon_Notebook off.png	Icon_Notebook off.png	
Notebook ON		
		
Icon_Notebook on.png		Icon_Notebook on.png
Printer OFF		
		
Icon_Printer off.png	Icon_Printer off.png	
Printer ON		





















**07 0B IP Control Center 983501**

		
Icon_Printer on.png		Icon_Printer on.png
Monitor OFF		
		
Icon_Screen.png	Icon_Screen.png	
Monitor ON		
		
Icon_Screen (2).png		Icon_Screen (2).png
Coffee machine OFF		
		
Icon_Coffeemachine off.png	Icon_Coffeemachine off.png	
Coffee machine ON		
		
Icon_Coffeemachine on.png		Icon_Coffeemachine on.png
TV OFF		
		
Icon_TV.png	Icon_TV.png	
TV ON		
		
Icon_TV on.png		Icon_TV on.png
Microwave OFF		
		
Icon_Microwave off.png	Icon_Microwave off.png	
Microwave ON		
		
Icon_Microwave on.png		Icon_Microwave on.png
Washing machine OFF		
		
Icon_Washmachine off.png	Icon_Washmachine off.png	
Washing machine ON		























**Application program description**

February 2015

**07 0B IP Control Center 983501**

		
Icon_Washmachine on.png		Icon_Washmachine on.png
Oven OFF		
		
Icon_Oven off.png	Icon_Oven off.png	
Oven ON		
		
Icon_Oven on.png		Icon_Oven on.png
Dishwasher OFF		
		
Icon_Dishwasher off.png	Icon_Dishwasher off.png	
Dishwasher ON		
		
Icon_Dishwasher on.png		Icon_Dishwasher on.png
Fridge OFF		
		
Icon_Fridge off.png	Icon_Fridge off.png	
Fridge ON		
		
Icon_Fridge on.png		Icon_Fridge on.png
Fume extraction hood OFF		
		
Icon_Fume off.png	Icon_Fume off.png	
Fume extraction hood ON		
		
Icon_Fume on.png		Icon_Fume on.png
Electric iron OFF		
		
Icon_Iron off.png	Icon_Iron off.png	
Electric iron ON		


























**07 0B IP Control Center 983501**

		
<small>Icon_Iron on.png</small>		<small>Icon_Iron on.png</small>
Fountain OFF		
		
<small>Icon_Fountain off Kopie.png</small>	<small>Icon_Fountain off Kopie.png</small>	
Fountain ON		
		
<small>Icon_Fountain on.png</small>		<small>Icon_Fountain on.png</small>
Forced controlled OFF		
		
<small>Icon_Guide off.png</small>	<small>Icon_Guide off.png</small>	
Forced controlled ON		
		
<small>Icon_Guide on.png</small>		<small>Icon_Guide on.png</small>
<b>Switching Light</b>		
	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
Light OFF		
		
<small>Icon_Light off.png</small>	<small>Icon_Light off.png</small>	
Light ON		
		
<small>Icon_Light on.png</small>		<small>Icon_Light on.png</small>
Light TOGGLE		
		
<small>Icon_Light on.png</small>	<small>Icon_Light off.png</small>	<small>Icon_Light on.png</small>
Light STATUS		
		
<small>Icon_Light on.png</small>	<small>Icon_Light off.png</small>	<small>Icon_Light on.png</small>
Ceiling Light OFF		
		


























**Application program description**

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**07 0B IP Control Center 983501**

Icon_Ceiling off.png	Icon_Ceiling off.png	
Ceiling Light ON		
		
Icon_Ceiling on.png		Icon_Ceiling on.png
Ceiling Light TOGGLE		
		
Icon_Ceiling on.png	Icon_Ceiling off.png	Icon_Ceiling on.png
Ceiling Light STATUS		
		
Icon_Ceiling on.png	Icon_Ceiling off.png	Icon_Ceiling on.png
Floor lamp OFF		
		
Icon_Floor off.png	Icon_Floor off.png	
Floor lamp ON		
		
Icon_Floor on.png		Icon_Floor on.png
Floor lamp TOGGLE		
		
Icon_Floor on.png	Icon_Floor off.png	Icon_Floor on.png
Floor lamp STATUS		
		
Icon_Floor on.png	Icon_Floor off.png	Icon_Floor on.png
Desk lamp TOGGLE		
		
Icon_Desk off.png	Icon_Desk off.png	
Desk lamp ON		
		
Icon_Desk on.png		Icon_Desk on.png
Desk lamp TOGGLE		
		































**07 0B IP Control Center 983501**

Icon_Desk on.png	Icon_Desk off.png	Icon_Desk on.png
Desk lamp STATUS		
		
Icon_Wall off.png	Icon_Desk off.png	Icon_Desk on.png
Wall lamp OFF		
		
Icon_Wall off.png	Icon_Wall off.png	
Wall lamp ON		
		
Icon_Wall on.png		Icon_Wall on.png
Wall lamp TOGGLE		
		
Icon_Wall on.png	Icon_Wall off.png	Icon_Wall on.png
Wall lamp STATUS		
		
Icon_Wall on.png	Icon_Wall off.png	Icon_Wall on.png
<b>Status General</b>		
	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
EU socket Status		
		
Icon_EU on.png	Icon_EU off.png	Icon_EU on.png
Swiss socket Status		
		
Icon_Swiss on.png	Icon_Swiss off.png	Icon_Swiss on.png
Occupied Status		
		
Icon_Occupied.png	Icon_Unoccupied_alt.png	Icon_Occupied.png
Heating Status		
		
Icon_Heating on.png	Icon_Heating off.png	Icon_Heating on.png
Boiler Status		




























**Application program description**

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**07 0B IP Control Center 983501**

		
Icon_Boiler on.png	Icon_Boiler off.png	Icon_Boiler on.png
<b>Beamer Status</b>		
		
Icon_Beamer on.png	Icon_Beamer off.png	Icon_Beamer on.png
<b>Fax machine Status</b>		
		
Icon_FaxB on.png	Icon_FaxB off.png	Icon_FaxB on.png
<b>Notebook Status</b>		
		
Icon_Notebook on.png	Icon_Notebook off.png	Icon_Notebook on.png
<b>Printer Status</b>		
		
Icon_Printer on.png	Icon_Printer off.png	Icon_Printer on.png
<b>Monitor Status</b>		
		
Icon_Screen (2).png	Icon_Screen.png	Icon_Screen (2).png
<b>Coffee machine Status</b>		
		
Icon_Coffeemachine on.png	Icon_Coffeemachine off.png	Icon_Coffeemachine on.png
<b>TV Status</b>		
		
Icon_TV on.png	Icon_TV.png	Icon_TV on.png
<b>Microwave Status</b>		
		
Icon_Microwave on.png	Icon_Microwave off.png	Icon_Microwave on.png
<b>Washing machine Status</b>		
		
Icon_Washmachine on.png	Icon_Washmachine off.png	Icon_Washmachine on.png

**07 0B IP Control Center 983501**
























Oven Status		
		
Icon_Oven on.png	Icon_Oven off.png	Icon_Oven on.png
Dishwasher Status		
		
Icon_Dishwasher on.png	Icon_Dishwasher off.png	Icon_Dishwasher on.png
Fridge Status		
		
Icon_Fridge on.png	Icon_Fridge off.png	Icon_Fridge on.png
Fume extraction hood Status		
		
Icon_Fume on.png	Icon_Fume off.png	Icon_Fume on.png
Electric iron Status		
		
Icon_Iron on.png	Icon_Iron off.png	Icon_Iron on.png
Fountain Status		
		
Icon_Fountain on.png	Icon_Fountain off Kopiae.png	Icon_Fountain on.png
Forced controlled Status		
		
Icon_Guide on.png	Icon_Guide off.png	Icon_Guide on.png
Sunblind Status		
		
Icon_Shutter.png	Icon_Shutter off.png	Icon_Shutter on.png
Awning Status		
		
Icon_Awning on.png	Icon_Awning off.png	Icon_Awning on.png
Windows Status		













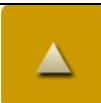










**Application program description**

February 2015

**07 0B IP Control Center 983501**

		
<small>Icon_Window open.png</small>	<small>Icon_Window closed.png</small>	<small>Icon_Window open.png</small>
<b>Rooflight Status</b>		
		
<small>Icon_Rooflight off Kopie.png</small>	<small>Icon_Rooflight off.png</small>	<small>Icon_Rooflight off Kopie.png</small>
<b>Door Status</b>		
		
<small>Icon_Door open.png</small>	<small>Icon_Door closed.png</small>	<small>Icon_Door open.png</small>
<b>Domelight Status</b>		
		
<small>Icon_Domelight on.png</small>	<small>Icon_Domelight off.png</small>	<small>Icon_Domelight on.png</small>
<b>Garage door Status</b>		
		
<small>Icon_Garage on.png</small>	<small>Icon_Garage off.png</small>	<small>Icon_Garage on.png</small>
<b>Air quality Status</b>		
		
<small>Icon_Air Quality.png</small>	<small>Icon_Air Poor.png</small>	<small>Icon_Air Quality.png</small>
<b>Value Status (transparent)</b>		
		<b>Value</b>
<small>Icon_Value-Status.png</small>		
<b>Value Status</b>		
		<b>Value</b>
<small>Icon_Value-Status.png</small>		
<b>Shutter/Blind</b>		
	<b>Value 0 (UP)</b>	<b>Value 1 (DOWN)</b>
<b>Sunblind TOGGLE (short/long press)</b>		
		
<small>Icon_Blind.png</small>	<small>Icon_Blind.png</small>	<small>Icon_Blind.png</small>
<b>Sunblind TOGGLE (short/long)</b>		



















**07 0B IP Control Center 983501**

press)		
		
Icon_Awning.png	Icon_Awning.png	Icon_Awning.png
Sunblind TOGGLE (short/long press)		
		
Icon_Blind_2.png	Icon_Blind_2.png	Icon_Blind_2.png
Shutter TOGGLE (short/long press)		
		
Icon_Shutter.png	Icon_Shutter.png	Icon_Shutter.png
UP command (short/long press)		
		
Icon_Up_1.png	Icon_Up_1.png	
DOWN command (short/long press)		
		
Icon_Down_1.png		Icon_Down_1.png
UP command		
		
Icon_Up_1.png	Icon_Up_1.png	
DOWN command		
		
Icon_Down_1.png		Icon_Down_1.png
UP command		
		
Icon_Up_2.png	Icon_Up_2.png	
DOWN command		
		
Icon_Down_2.png		Icon_Down_2.png



















**Application program description**

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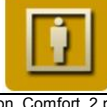

**07 0B IP Control Center 983501**

Subblind UP (short/long press)			
	Icon_Blind up.png	Icon_Blind up.png	
Sunblind DOWN (short/long press)			
	Icon_Blind down.png		Icon_Blind down.png
Sunblind UP			
	Icon_Blind up.png	Icon_Blind up.png	
Sunblind DOWN			
	Icon_Blind down.png		Icon_Blind down.png
Slat UP			
	Icon_Blade open.png		Icon_Blade open.png
Slat DOWN			
	Icon_Blade closed.png	Icon_Blade closed.png	
Shutter UP			
	Icon_Schutter up.png	Icon_Schutter up.png	
Shutter DOWN			
	Icon_Schutter down.png		Icon_Schutter down.png
Awning OPEN			
	Icon_Awning on.png		Icon_Awning on.png
Awning CLOSED			













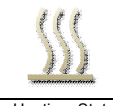






**07 0B IP Control Center 983501**

		
Icon_Awning off.png	Icon_Awning off.png	
Window OPEN		
		
Icon_Window open.png		Icon_Window open.png
Window CLOSED		
		
Icon_Window closed.png	Icon_Window closed.png	
Rooflight OPEN		
		
Icon_Rooflight off Kopie.png		Icon_Rooflight off Kopie.png
Rooflight CLOSED		
		
Icon_Rooflight off.png	Icon_Rooflight off.png	
Door OPEN		
		
Icon_Door open.png		Icon_Door open.png
Door CLOSED		
		
Icon_Door closed.png	Icon_Door closed.png	
Domelight OPEN		
		
Icon_Domelight on.png		Icon_Domelight on.png
Domelight CLOSED		
		
Icon_Domelight off.png	Icon_Domelight off.png	
Garage door OPEN		




**07 0B IP Control Center 983501**

		
Icon_Garage on.png	Icon_Garage on.png	
Garage door CLOSED		
		
Icon_Garage off.png		Icon_Garage off.png
Canvas UP		
		
Icon_Canvas off.png	Icon_Canvas off.png	
Canvas DOWN		
		
Icon_Canvas on.png		Icon_Canvas on.png
STOP command		
		
Icon_Stop.png	Icon_Stop.png	
<b>HVAC</b>		
	<b>Value 0</b>	<b>Value 1</b>
Manual mode		
		
Icon_Manual (2).png	Icon_Manual (2).png	
Automatic mode		
		
Icon_Auto 2.png		Icon_Auto 2.png
Automatic mode Status		
		
Icon_Auto 2.png	Icon_Manual (2).png	Icon_Auto 2.png
Comfort mode		
		
Icon_Comfort 2.png		Icon_Comfort 2.png
Pre-Comfort mode		



















**07 0B IP Control Center 983501**

		
Icon_Precomfort (2).png		Icon_Precomfort (2).png
Economy mode		
		
Icon_Night_A.png		Icon_Night_A.png
Protection mode		
		
Icon_Protection.png		Icon_Protection.png
Comfort Prolongation		
		
Icon_Prolongation.png		Icon_Prolongation.png
Heating / cooling		
		
Icon_Heating_State.png		Icon_Heating_State.png
Heating / cooling Status		
		
Icon_Heating_State.png	Icon_Cooling_State.png	Icon_Heating_State.png
Dewpoint mode Status		
		
Icon_Humidity.png		Icon_Humidity.png
Frost protection Status		
		
Icon_Frost.png		Icon_Frost.png
Fan stage 0		
		
Icon_fanstage-0.png		Icon_fanstage-0.png
Fan stage 1		

**07 0B IP Control Center 983501**



















		
Icon_fanstage-1.png		Icon_fanstage-1.png
Fan stage 2		
		
Icon_fanstage-2.png		Icon_fanstage-2.png
Fan stage 3		
		
Icon_fanstage-3.png		Icon_fanstage-3.png
Fan stage 4		
		
Icon_fanstage-4.png		Icon_fanstage-4.png
Fan stage 5		
		
Icon_fanstage-5.png		Icon_fanstage-5.png
<b>Scenes</b>		<b>Value 1</b>
Scene meeting		
		
Icon_Meeting.png		Icon_Meeting.png
Scene presentation		
		
Icon_Presentation.png		Icon_Presentation.png
Scene occupied		
		
Icon_Occupied.png		Icon_Occupied.png
Scene unoccupied		
		
Icon_Unoccupied_alt.png		Icon_Unoccupied_alt.png
Scene green leaf		

**07 0B IP Control Center 983501**

















		
Icon_Green Leaf.png		Icon_Green Leaf.png
Scene working		
		
Icon_Working.png		Icon_Working.png
Scene break		
		
Icon_Break.png		Icon_Break.png
Scene relax		
		
Icon_Couch.png		Icon_Couch.png
Scene dinner		
		
Icon_Dinner.png		Icon_Dinner.png
Scene cooking		
		
Icon_Kitchen.png		Icon_Kitchen.png
Scene party		
		
Icon_Party.png		Icon_Party.png
Scene fireplace		
		
Icon_Fireplace.png		Icon_Fireplace.png
Scene sleep		
		
Icon_Sleep.png		Icon_Sleep.png
<b>Advanced Elements</b>	Individual values into dependence of the datapoint type and the selected advanced element	
Step +		






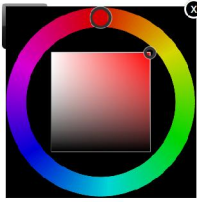





















**07 0B IP Control Center 983501**

		
Icon_Plus.png		Icon_Plus.png
Stufe -		
		
Icon_Minus.png		Icon_Minus.png
Fan +		
		
Icon_fanstage-up.png		Icon_fanstage-up.png
Fan -		
		
Icon_fanstage-down.png		Icon_fanstage-down.png
Light+		
		
Icon_Light on Plus.png		Icon_Light on Plus.png
Light-		
		
Icon_Light off Plus 92.png		Icon_Light off Plus 92.png
Ceiling light+		
		
Icon_Ceiling on Plus.png		Icon_Ceiling on Plus.png
Ceiling light-		
		
Icon_Ceiling on Minus.png		Icon_Ceiling on Minus.png
Floor lamp +		
		
Icon_Floor on Plus.png		Icon_Floor on Plus.png
Floor lamp -		










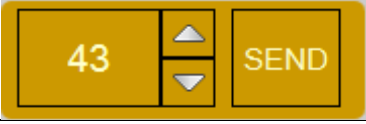













**07 0B IP Control Center 983501**

		
Icon_Floor on Minus.png		Icon_Floor on Minus.png
Desk lamp +		
		
Icon_Desk on Plus.png		Icon_Desk on Plus.png
Desk lamp -		
		
Icon_Desk on Minus.png		Icon_Desk on Minus.png
Wall lamp +		
		
Icon_Wall on Plus.png		Icon_Wall on Plus.png
Wall lamp -		
		
Icon_Wall on Minus.png		Icon_Wall on Minus.png
Slider Type 1 horizontal		
		
Icon_Slider_B_horizontal.png		
Slider Type 1 vertical		
		
Icon_Slider_B_vertical.png		
Slider Type 2 horizontal		
		
Icon_Slider-A_horizontal.png		
Slider Type 2 vertical		

**07 0B IP Control Center 983501**

					
Icon_Slider-A_vertical.png					
<b>RGB</b>					
					
Icon_RGB.png					
<b>Gauge</b>					
					
Icon_General-Analog.png					
<b>Matrix Element</b>					
					
Icon_Thumbnails.png	Icon_Thumbnails.png	Icon_Thumbnails.png			
<b>Operating mode element</b>					
					
Icon_General Multistate.png		Icon_Comfort 2.png	Icon_Precomfort (2).png	Icon_Night_A.png	Icon_Protection.png
<b>Operating mode element with auto</b>					
					
Icon_General Multistate.png	Icon_Auto_2.png	Icon_Comfort 2.png	Icon_Precomfort (2).png	Icon_Night_A.png	Icon_Protection.png
<b>Fan element 3 steps</b>					
					
Icon_Fan.png		Icon_Fanstage e0.png	Icon_Fanstage1.png	Icon_Fanstage2.png	Icon_Fanstage3.png
<b>Fan element 5 steps</b>					

**07 0B IP Control Center 983501**

						
Icon_Fan.png	Icon_Fanstage0.png	Icon_Fanstage1.png	Icon_Fanstage2.png	Icon_Fanstage3.png	Icon_Fanstage4.png	Icon_Fanstage5.png
Advanced element						
						
Icon_NavigationSettings.png						
Send value						
						
Icon_Value-Input.png						
Alarm Status						
						
Icon_OK_NotAckn.png						Icon_OK_NotAckn.png
<b>Audio / Video</b>	<b>Datapoint types and pre-defined values individually adjustably</b>					
Enable						
						Icon_Enable.png
Icon_Enable.png						
Put on standby						
						Icon_Standby.png
Icon_Standby.png						
Sound ON						
						Icon_Sound on.png
Icon_Sound on.png						
Sound OFF						
						Icon_Sound off.png
Icon_Sound off.png						
Sound mute						
						

















**Application program description**

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Icon_Sound mute.png		Icon_Sound mute.png
Begin		
		
Icon_Begin.png		Icon_Begin.png
End		
		
Icon_End.png		Icon_End.png
Fast rewind		
		
Icon_Fast_Rewind.png		Icon_Fast_Rewind.png
Fast Forward		
		
Icon_Fast_Forward.png		Icon_Fast_Forward.png
Pause		
		
Icon_Pause.png		Icon_Pause.png
Play		
		
Icon_Play.png		Icon_Play.png
Stop		
		
Icon_Stop.png		Icon_Stop.png
Record		
		
Icon_Record.png		Icon_Record.png
Eject		
		
Icon_Eject.png		Icon_Eject.png
Shuffle		





**07 0B IP Control Center 983501**

		
Icon_Shuffle.png		Icon_Shuffle.png
Frequency		
		
Icon_Slider-B.png		Icon_Slider-B.png
AV		
		
Icon_AV.png		Icon_AV.png
<b>Navigation elements</b>		
Container		
		
Icon_Site.png		
Page navigator (transparent)		
		
Icon_Navigation.png		
Page navigator		
		
Icon_Navigation.png		
Label (transparent)		
		
Icon_ID.png		
Label		
		
Icon_ID.png		
Image		

**Application program description**

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**07 0B IP Control Center 983501**

		
Icon_Picture.png		
Touch Displays Settings		
		
Icon_Settings.png		Icon_Settings.png

**07 0B IP Control Center 983501**

**15.6 Creme transparent**

Operating- and display categories






















Function preview	Value: 0 (Off)	Value 1 (On)
<b>Switching general</b>		
General OFF		
 <small>Icon_Off.png</small>	 <small>Icon_Off.png</small>	
General ON		
 <small>Icon_On.png</small>		 <small>Icon_On.png</small>
General TOGGLE I/O		
 <small>Icon_IO.png</small>	 <small>Icon_IO.png</small>	 <small>Icon_IO.png</small>
General OFF		
 <small>Icon_Disable.png</small>	 <small>Icon_Disable.png</small>	
General ON		
 <small>Icon_Enable.png</small>		 <small>Icon_Enable.png</small>
General TOGGLE		
 <small>Icon_Enable.png</small>	 <small>Icon_Disable.png</small>	 <small>Icon_Enable.png</small>
General STATUS		
 <small>Icon_Enable.png</small>	 <small>Icon_Disable.png</small>	 <small>Icon_Enable.png</small>























**Application program description**

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Switching Miscellaneous	Value: 0 (Off)	Value: 1 (On)
EU socket TOGGLE		
		
icon_EU on.png	icon_EU off.png	icon_EU on.png
EU socket OFF		
		
icon_EU off.png	icon_EU off.png	
EU socket ON		
		
icon_EU on.png		icon_EU on.png
Swiss socket TOGGLE		
		
icon_Swiss on.png	icon_Swiss off.png	icon_Swiss on.png
Swiss socket OFF		
		
icon_Swiss off.png	icon_Swiss off.png	
Swiss socket ON		
		
icon_Swiss on.png		icon_Swiss on.png
Occupied TOGGLE		
		
icon_Occupied.png	icon_Unoccupied_alt.png	icon_Occupied.png
Occupied		
		
icon_Occupied.png		icon_Occupied.png
Unoccupied		
		
icon_Unoccupied_alt.png	icon_Unoccupied_alt.png	
Heating OFF		














**07 0B IP Control Center 983501**

		
Icon_Heating off.png	Icon_Heating off.png	
Heating ON		
		
Icon_Heating on.png		Icon_Heating on.png
Boiler OFF		
		
Icon_Boiler off.png	Icon_Boiler off.png	
Boiler ON		
		
Icon_Boiler on.png		Icon_Boiler on.png
Beamer OFF		
		
Icon_Beamer off.png	Icon_Beamer off.png	
Beamer ON		
		
Icon_Beamer on.png		Icon_Beamer on.png
Fax machine OFF		
		
Icon_FaxB off.png	Icon_FaxB off.png	
Fax machine ON		
		
Icon_FaxB on.png		Icon_FaxB on.png
Notebook OFF		
		
Icon_Notebook off.png	Icon_Notebook off.png	
Notebook ON		
		





















**Application program description**

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**07 0B IP Control Center 983501**

Printer OFF 		Printer ON 
Monitor OFF 	Monitor ON 	Monitor ON 
Coffee machine OFF 	Coffee machine ON 	Coffee machine ON 
TV OFF 	TV ON 	TV ON 
Microwave OFF 	Microwave ON 	




















**07 0B IP Control Center 983501**

		
Icon_Microwave off.png		Icon_Microwave on.png
Washing machine OFF		
		
Icon_Washmachine off.png	Icon_Washmachine off.png	
Washing machine ON		
		
Icon_Washmachine on.png		Icon_Washmachine on.png
Oven OFF		
		
Icon_Oven off.png	Icon_Oven off.png	
Oven ON		
		
Icon_Oven on.png		Icon_Oven on.png
Dishwasher OFF		
		
Icon_Dishwasher off.png	Icon_Dishwasher off.png	
Dishwasher ON		
		
Icon_Dishwasher on.png		Icon_Dishwasher on.png
Fridge OFF		
		
Icon_Fridge off.png	Icon_Fridge off.png	
Fridge ON		
		
Icon_Fridge on.png		Icon_Fridge on.png
Fume extraction hood OFF		
		














**Application program description**

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**07 0B IP Control Center 983501**

Icon_Fume off.png Fume extraction hood ON	Icon_Fume off.png	
		
Icon_Fume on.png Electric iron OFF		Icon_Fume on.png
		
Icon_Iron off.png Electric iron ON	Icon_Iron off.png	
		
Icon_Iron on.png Fountain OFF		Icon_Iron on.png
		
Icon_Fountain off Kopie.png Fountain ON	Icon_Fountain off Kopie.png	
		
Icon_Fountain on.png Forced controlled OFF		Icon_Fountain on.png
		
Icon_Guide off.png Forced controlled ON	Icon_Guide off.png	
		
Icon_Guide on.png <b>Switching Light</b>	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
Light OFF		
		
Icon_Light off.png Light ON	Icon_Light off.png	
		
Icon_Light on.png Light TOGGLE		Icon_Light on.png
		





















**07 0B IP Control Center 983501**

		
Icon_Light on.png	Icon_Light off.png	Icon_Light on.png
Light STATUS		
		
Icon_Light on.png	Icon_Light off.png	Icon_Light on.png
Ceiling Light OFF		
		
Icon_Ceiling off.png	Icon_Ceiling off.png	
Ceiling Light ON		
		
Icon_Ceiling on.png		Icon_Ceiling on.png
Ceiling Light TOGGLE		
		
Icon_Ceiling on.png	Icon_Ceiling off.png	Icon_Ceiling on.png
Ceiling Light STATUS		
		
Icon_Ceiling on.png	Icon_Ceiling off.png	Icon_Ceiling on.png
Floor lamp OFF		
		
Icon_Floor off.png	Icon_Floor off.png	
Floor lamp ON		
		
Icon_Floor on.png		Icon_Floor on.png
Floor lamp TOGGLE		
		
Icon_Floor on.png	Icon_Floor off.png	Icon_Floor on.png
Floor lamp STATUS		































**Application program description**

February 2015

**07 0B IP Control Center 983501**

		
Icon_Floor on.png	Icon_Floor off.png	Icon_Floor on.png
<b>Desk lamp TOGGLE</b>		
		
Icon_Desk off.png	Icon_Desk off.png	
<b>Desk lamp ON</b>		
		
Icon_Desk on.png		Icon_Desk on.png
<b>Desk lamp TOGGLE</b>		
		
Icon_Desk on.png	Icon_Desk off.png	Icon_Desk on.png
<b>Desk lamp STATUS</b>		
		
Icon_Desk on.png	Icon_Desk off.png	Icon_Desk on.png
<b>Wall lamp OFF</b>		
		
Icon_Wall off.png	Icon_Wall off.png	
<b>Wall lamp ON</b>		
		
Icon_Wall on.png		Icon_Wall on.png
<b>Wall lamp TOGGLE</b>		
		
Icon_Wall on.png	Icon_Wall off.png	Icon_Wall on.png
<b>Wall lamp STATUS</b>		
		
Icon_Wall on.png	Icon_Wall off.png	Icon_Wall on.png
<b>Status General</b>		
	<b>Value: 0 (Off)</b>	<b>Value: 1 (On)</b>
EU socket Status		

**07 0B IP Control Center 983501**




























		
Icon_EU on.png	Icon_EU off.png	Icon_EU on.png
Swiss socket Status		
		
Icon_Swiss on.png	Icon_Swiss off.png	Icon_Swiss on.png
Occupied Status		
		
Icon_Occupied.png	Icon_Unoccupied_alt.png	Icon_Occupied.png
Heating Status		
		
Icon_Heating on.png	Icon_Heating off.png	Icon_Heating on.png
Boiler Status		
		
Icon_Boiler on.png	Icon_Boiler off.png	Icon_Boiler on.png
Beamer Status		
		
Icon_Beamer on.png	Icon_Beamer off.png	Icon_Beamer on.png
Fax machine Status		
		
Icon_FaxB on.png	Icon_FaxB off.png	Icon_FaxB on.png
Notebook Status		
		
Icon_Notebook on.png	Icon_Notebook off.png	Icon_Notebook on.png
Printer Status		
		
Icon_Printer on.png	Icon_Printer off.png	Icon_Printer on.png
Monitor Status		
		

































**Application program description**

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**07 0B IP Control Center 983501**

Icon_Screen (2).png	Icon_Screen.png	Icon_Screen (2).png
Coffee machine Status		
		
Icon_Coffeemachine on.png	Icon_Coffeemachine off.png	Icon_Coffeemachine on.png
TV Status		
		
Icon_TV on.png	Icon_TV.png	Icon_TV on.png
Microwave Status		
		
Icon_Microwave on.png	Icon_Microwave off.png	Icon_Microwave on.png
Washing machine Status		
		
Icon_Washmachine on.png	Icon_Washmachine off.png	Icon_Washmachine on.png
Oven Status		
		
Icon_Oven on.png	Icon_Oven off.png	Icon_Oven on.png
Dishwasher Status		
		
Icon_Dishwasher on.png	Icon_Dishwasher off.png	Icon_Dishwasher on.png
Fridge Status		
		
Icon_Fridge on.png	Icon_Fridge off.png	Icon_Fridge on.png
Fume extraction hood Status		
		
Icon_Fume on.png	Icon_Fume off.png	Icon_Fume on.png
Electric iron Status		
		
Icon_Iron on.png	Icon_Iron off.png	Icon_Iron on.png
Fountain Status		

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Icon_Fountain on.png	Icon_Fountain off Kopie.png	Icon_Fountain on.png
<b>Forced controlled Status</b>		
		
Icon_Guide on.png	Icon_Guide off.png	Icon_Guide on.png
<b>Sunblind Status</b>		
		
Icon_Shutter.png	Icon_Shutter off.png	Icon_Shutter on.png
<b>Awning Status</b>		
		
Icon_Awning on.png	Icon_Awning off.png	Icon_Awning on.png
<b>Windows Status</b>		
		
Icon_Window open.png	Icon_Window closed.png	Icon_Window open.png
<b>Rooflight Status</b>		
		
Icon_Rooflight off Kopie.png	Icon_Rooflight off.png	Icon_Rooflight off Kopie.png
<b>Door Status</b>		
		
Icon_Door open.png	Icon_Door closed.png	Icon_Door open.png
<b>Domelight Status</b>		
		
Icon_Domelight on.png	Icon_Domelight off.png	Icon_Domelight on.png
<b>Garage door Status</b>		
		
Icon_Garage on.png	Icon_Garage off.png	Icon_Garage on.png
<b>Air quality Status</b>		
		



















**Application program description**

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







**07 0B IP Control Center 983501**

Icon_Air Quality.png	Icon_Air Poor.png	Icon_Air Quality.png
Value Status		
Icon_Value-Status.png		
<b>Shutter/Blind</b>	<b>Value 0 (UP)</b>	<b>Value 1 (DOWN)</b>
Sunblind TOGGLE (short/long press)		
Icon_Blind.png	Icon_Blind.png	Icon_Blind.png
Sunblind TOGGLE (short/long press)		
Icon_Awning.png	Icon_Awning.png	Icon_Awning.png
Sunblind TOGGLE (short/long press)		
Icon_Blind 2.png	Icon_Blind 2.png	Icon_Blind 2.png
Sunblind TOGGLE (short/long press)		
Icon_Shutter.png	Icon_Shutter.png	Icon_Shutter.png
UP command (short/long press)		
Icon_Up_1.png	Icon_Up_1.png	
DOWN command (short/long press)		
Icon_Down_1.png		Icon_Down_1.png
UP command		
Icon_Up_1.png	Icon_Up_1.png	
DOWN command		



















**07 0B IP Control Center 983501**

		
Icon_Down_1.png		Icon_Down_1.png
UP command		
		
Icon_Up_2.png	Icon_Up_2.png	
DOWN command		
		
Icon_Down_2.png		Icon_Down_2.png
Subblind UP (short/long press)		
		
Icon_Blind up.png	Icon_Blind up.png	
Sunblind DOWN (short/long press)		
		
Icon_Blind down.png		Icon_Blind down.png
Sunblind UP		
		
Icon_Blind up.png	Icon_Blind up.png	
Sunblind DOWN		
		
Icon_Blind down.png		Icon_Blind down.png
Slat UP		
		
Icon_Blade_open.png		Icon_Blade_open.png
Slat DOWN		
		
Icon_Blade_closed.png	Icon_Blade_closed.png	
Shutter UP		

**07 0B IP Control Center 983501**

		
Icon_Shutter up.png	Icon_Shutter up.png	
Shutter DOWN		
		
Icon_Schutter down.png		Icon_Schutter down.png
Awning OPEN		
		
Icon_Awning on.png		Icon_Awning on.png
Awning CLOSED		
		
Icon_Awning off.png	Icon_Awning off.png	
Window OPEN		
		
Icon_Window open.png		Icon_Window open.png
Window CLOSED		
		
Icon_Window closed.png	Icon_Window closed.png	
Rooflight OPEN		
		
Icon_Rooflight off Kopie.png		Icon_Rooflight off Kopie.png
Rooflight CLOSED		
		
Icon_Rooflight off.png	Icon_Rooflight off.png	
Door OPEN		
		
Icon_Door open.png		Icon_Door open.png
Door CLOSED		





















**07 0B IP Control Center 983501**

		
Icon_Door closed.png	Icon_Door closed.png	
<b>Domelight OPEN</b>		
		
Icon_Domelight on.png		Icon_Domelight on.png
<b>Domelight CLOSED</b>		
		
Icon_Domelight off.png	Icon_Domelight off.png	
<b>Garage door OPEN</b>		
		
Icon_Garage on.png	Icon_Garage on.png	
<b>Garage door CLOSED</b>		
		
Icon_Garage off.png		Icon_Garage off.png
<b>Canvas UP</b>		
		
Icon_Canvas off.png	Icon_Canvas off.png	
<b>Canvas DOWN</b>		
		
Icon_Canvas on.png		Icon_Canvas on.png
<b>STOP command</b>		
		
Icon_Stop.png	Icon_Stop.png	
<b>HVAC</b>		
	<b>Value 0</b>	<b>Value 1</b>
<b>Manual mode</b>		
		
Icon_Manual (2).png	Icon_Manual (2).png	


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Automatic mode		
		
Icon_Auto_2.png		Icon_Auto_2.png
Automatic mode Status		
		
Icon_Auto_2.png	Icon_Manual (2).png	Icon_Auto_2.png
Comfort mode		
		
Icon_Comfort_2.png		Icon_Comfort_2.png
Pre-Comfort mode		
		
Icon_Precomfort (2).png		Icon_Precomfort (2).png
Economy mode		
		
Icon_Night_A.png		Icon_Night_A.png
Protection mode		
		
Icon_Protection.png		Icon_Protection.png
Comfort Prolongation		
		
Icon_Prolongation.png		Icon_Prolongation.png
Heating / cooling		
		
Icon_Heating_State.png		Icon_Heating_State.png
Heating / cooling Status		
		
Icon_Heating_State.png	Icon_Cooling_State.png	Icon_Heating_State.png
Dewpoint mode Status		

**07 0B IP Control Center 983501**



















		
Icon_Humidity.png		Icon_Humidity.png
Frost protection Status		
		
Icon_Frost.png		Icon_Frost.png
Fan stage 0		
		
Icon_fanstage-0.png		Icon_fanstage-0.png
Fan stage 1		
		
Icon_fanstage-1.png		Icon_fanstage-1.png
Fan stage 2		
		
Icon_fanstage-2.png		Icon_fanstage-2.png
Fan stage 3		
		
Icon_fanstage-3.png		Icon_fanstage-3.png
Fan stage 4		
		
Icon_fanstage-4.png		Icon_fanstage-4.png
Fan stage 5		
		
Icon_fanstage-5.png		Icon_fanstage-5.png
<b>Scenes</b>		Value 1
Scene meeting		
		
Icon_Meeting.png		Icon_Meeting.png


















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Scene presentation		
		
Icon_Presentation.png		Icon_Presentation.png
Scene occupied		
		
Icon_Occupied.png		Icon_Occupied.png
Scene unoccupied		
		
Icon_Unoccupied_alt.png		Icon_Unoccupied_alt.png
Scene green leaf		
		
Icon_Green Leaf.png		Icon_Green Leaf.png
Scene working		
		
Icon_Working.png		Icon_Working.png
Scene break		
		
Icon_Break.png		Icon_Break.png
Scene relax		
		
Icon_Couch.png		Icon_Couch.png
Scene dinner		
		
Icon_Dinner.png		Icon_Dinner.png
Scene cooking		
		
Icon_Kitchen.png		Icon_Kitchen.png
Scene party		

















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Icon_Party.png		Icon_Party.png
Scene fireplace		
		
Icon_Fireplace.png		Icon_Fireplace.png
Scene sleep		
		
Icon_Sleep.png		Icon_Sleep.png
<b>Advanced Elements</b>	Individual values into dependence of the datapoint type and the selected advanced element	
Step +		
		
Icon_Plus.png		Icon_Plus.png
Stufe -		
		
Icon_Minus.png		Icon_Minus.png
Fan +		
		
Icon_fanstage-up.png		Icon_fanstage-up.png
Fan -		
		
Icon_fanstage-down.png		Icon_fanstage-down.png
Light+		
		
Icon_Light on Plus.png		Icon_Light on Plus.png
Light-		
		
Icon_Light off Plus 92.png		Icon_Light off Plus 92.png








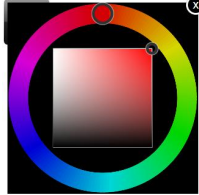





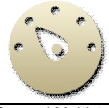




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Ceiling light+		
		
Icon_Ceiling on Plus.png		Icon_Ceiling on Plus.png
Ceiling light-		
		
Icon_Ceiling on Minus.png		Icon_Ceiling on Minus.png
Floor lamp +		
		
Icon_Floor on Plus.png		Icon_Floor on Plus.png
Floor lamp -		
		
Icon_Floor on Minus.png		Icon_Floor on Minus.png
Desk lamp +		
		
Icon_Desk on Plus.png		Icon_Desk on Plus.png
Desk lamp -		
		
Icon_Desk on Minus.png		Icon_Desk on Minus.png
Wall lamp +		
		
Icon_Wall on Plus.png		Icon_Wall on Plus.png
Wall lamp -		
		
Icon_Wall on Minus.png		Icon_Wall on Minus.png
Slider Type 1 horizontal		
		
Icon_Slider_B_horizontal.png		
Slider Type 1 vertical		

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Icon_Slider_B_vertical.png					
Slider Type 2 horizontal					
					
Icon_Slider-A_horizontal.png					
Slider Type 2 vertical					
					
Icon_Slider-A_vertical.png					
RGB					
					
Icon_RGB.png					
Gauge					
					
Icon_General-Analog.png					
Matrix Element					
					
Icon_Thumbnails.png	Icon_Thumbnails.png	Icon_Thumbnails.png			
Operating mode element					
					
Icon_General Multistate.png		Icon_Comfort	Icon_Precomfort	Icon_Night_A.	Icon_Protection.









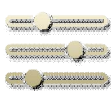
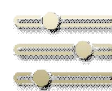



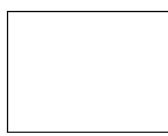




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			2.png	(2).png	png	png
Operating mode element with auto						
						
Icon_General Multistate.png		Icon_Auto_2.png	Icon_Comfort_2.png	Icon_Precomfort (2).png	Icon_Night_A.png	Icon_Protection.png
Fan element 3 steps						
						
Icon_Fan.png			Icon_Fanstage0.png	Icon_Fanstage1.png	Icon_Fanstage2.png	Icon_Fanstage3.png
Fan element 5 steps						
						
Icon_Fan.png	Icon_Fanstage0.png	Icon_Fanstage1.png	Icon_Fanstage2.png	Icon_Fanstage3.png	Icon_Fanstage4.png	Icon_Fanstage5.png
Advanced element						
				Value		
Icon_NavigationSettings.png						
Send value						
				43 <span style="font-size: 2em;">↑</span> <span style="font-size: 2em;">↓</span> SEND		
Icon_Value-Input.png						
Alarm Status						
						
Icon_OK_NotAckn.png				Icon_OK_NotAckn.png		
<b>Audio / Video</b>	<b>Datapoint types and pre-defined values individually adjustably</b>					
Enable						
						
Icon_Enable.png				Icon_Enable.png		
Put on standby						
						
Icon_Standby.png				Icon_Standby.png		
Sound ON						





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Icon_Sound on.png		Icon_Sound on.png
Sound OFF		
		
Icon_Sound off.png		Icon_Sound off.png
Sound mute		
		
Icon_Sound mute.png		Icon_Sound mute.png
Begin		
		
Icon_Begin.png		Icon_Begin.png
End		
		
Icon_End.png		Icon_End.png
Fast rewind		
		
Icon_Fast_Rewind.png		Icon_Fast_Rewind.png
Fast Forward		
		
Icon_Fast_Forward.png		Icon_Fast_Forward.png
Pause		
		
Icon_Pause.png		Icon_Pause.png
Play		
		
Icon_Play.png		Icon_Play.png
Stop		

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























































		
Icon_Stop.png		Icon_Stop.png
Record		
		
Icon_Record.png		Icon_Record.png
Eject		
		
Icon_Eject.png		Icon_Eject.png
Shuffle		
		
Icon_Shuffle.png		Icon_Shuffle.png
Frequency		
		
Icon_Slider-B.png		Icon_Slider-B.png
AV		
		
Icon_AV.png		Icon_AV.png
<b>Navigation elements</b>		
Container		
		
Icon_Site.png		
Page navigator		
		
Icon_Navigation.png		
Label		
		

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Icon_ID.png		
Image		
		
Icon_Picture.png		
Touch Displays Settings		
		
Icon_Settings.png		Icon_Settings.png

Additional Icons are on the IP Control Center in the path:

*visuelements\standard\creme\_transparent*














































									
Icon_Activation.png	Icon_Alarm_ok.png	Icon_Alarm_state.png	Icon_Alarm--Ackn.png	Icon_Alarm-Fire_V2.png	Icon_Alarm-Gas.png	Icon_Audio.png	Icon_Auto.png	Icon_Bag_A.png	Icon_Bag_B.png
									
Icon_Bath.png	Icon_Battery.png	Icon_Blade_Position.png	Icon_blind_2_position.png	Icon_Blind_Position.png	Icon_Burner.png	Icon_Calendar.png	Icon_Cancel.png	Icon_Cleaning.png	Icon_Clock.png
									
Icon_Cloud.png	Icon_Cloudy.png	Icon_Comfort.png	Icon_Contrast.png	Icon_Cooling_State.png	Icon_Cut.png	Icon_Delete.png	Icon_DHW.png	Icon_Dimming.png	Icon_Dimming_2.png
									
Icon_Dinner.png	Icon_Document.png	Icon_DoNotDisturb.png	Icon_Economy.png	Icon_Edit.png	Icon_Effect.png	Icon_Escape_Right.png	Icon_Exit.png	Icon_Favorites.png	Icon_FaxA-off.png
									
Icon_FaxA-on.png	Icon_Fire-Sensor.png	Icon_Folder.png	Icon_Forward.png	Icon_Garage_Car.png	Icon_Garden.png	Icon_Wind.png	Icon_Global.png	Icon_Green-Leaf.png	Icon_Green-Leaf-alt.png
									
Icon_Gym.png	Icon_Heat pump.png	Icon_Help.png	Icon_Home.png	Icon_Hour glass.png	Icon_Humidity.png	Icon_Information.png	Icon_IP_Camera_B.png	Icon_IP_Camera_C.png	Icon_Language.png
									
Icon_Library.png	Icon_Lifesafety.png	Icon_List.png	Icon_Location.png	Icon_Lock.png	Icon_Login.png	Icon_Logout.png	Icon_Maintenance.png	Icon_Make-Room.png	Icon_Manual.png



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Icon_Network.png	Icon_Night_B.png	Icon_No Access.png	Icon_Notification.png	Icon_Office.png	Icon_OK.png	Icon_Ok--Akn.png	Icon_Out-of-Service.png	Icon_Outside-Temperature.png	Icon_Outside-Temperature_alt.png
									
Icon_Phone.png	Icon_Plant.png	Icon_Pool.png	Icon_Power.png	Icon_Precomfort.png	Icon_Rain.png	Icon_Repeat.png	Icon_Reply.png	Icon_Return.png	Icon_RGBW.png
									
Icon_Room-Temperature.png	Icon_Save.png	Icon_Scenes.png	Icon_Service.png	Icon_Set.png	Icon_Set_Value.png	Icon_Shutter_position.png	Icon_Step-0.png	Icon_Step-1.png	Icon_Step-2.png
									
Icon_Step-3.png	Icon_Storm.png	Icon_Sun.png	Icon_Sunblind_Position.png	Icon_Support.png	Icon_Switch.png	Icon_Temperature.png	Icon_Temperature_set.png	Icon_Trend.png	Icon_Unlock.png
									
Icon_Usergroup.png	Icon_Warning.png	Icon_Water.png	Icon_Weather.png	Icon_Wifi.png					

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## 16 Definitions

Char	Abbreviation for character. Is a data type for data areas containing elements which each representing one character.
DBMS	Database Management System
DHCP	Dynamic Host Configuration Protocol
DLL	Dynamic Link Library
DNS	Domain Name System
DSL	Digital Subscriber Line: High-speed data transmission via a standard telephone cable.
DynDNS	Dynamic DNS
EIB	European Installation Bus
EIBA	EIB Association
ETS	KNX Tool Software: This is the standard KNX configuration tool.
Internet	A global network consisting of a large number of individual networks linked together by the usage of TCP/IP protocols. The Internet comprises individual networks of universities, schools, companies, research institutes, governmental authorities, individuals and other organizations. The Internet Activities Board (IAB) is the supervisory authority for this global network.
Internet Address	IP Address
IP	Internet Protocol The network layer of the protocol on which the Internet is based. IP offers an easy connectionless exchange of packages. Other protocols such as UDP and TCP use IP to execute their connection-oriented and secured delivery services.
IP Address	A 4-byte (32 bit) number which clearly identifies a computer or other Internet device or IP Internet network. The IP address describes a certain network and a certain node point in the network. An example of an IP address is 192.168.1.1. An IP address is normally assigned by a LAN network administrator or an IP service provider from an existing pool of IP addresses.
JVM	Java Virtual Machine. This involves the runtime environment for programs written in Java. Modern browsers include JVM for executing Java Applets contained on the websites.
KNX	KNX-Association (Konnex-Association).
KNXnet/IP	Protocol for transmitting telegrams between KNX subnetworks or between a KNX subnetwork and a PC, for example, by an IP Network (LAN or WAN).
KNXnet/IP device management	EIBnet/IP protocol for configuration of KNXnet/IP devices by an IP network (LAN or WAN).
KNXnet/IP Routing	EIBnet/IP protocol for the transmission of telegrams between KNX/KNX subnetworks ("line coupler function") by an IP network (LAN or WAN).
KNXnet/IP tunneling	KNXnet/IP protocol for the point-to-point transmission of telegrams between an EIB/KNX subnetwork and a computer, for example, by an IP network (LAN or WAN). Tunneling can be used for visualization and configuration.

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LAN	Local Area Network. This network is limited to a local area – a single building, a collection of buildings or a single room.
ODBC	Open Database Connectivity. A driver manager and a group of ODBC drivers which enable applications to access databases when SQL is used as a standard language.
OPC	OLE for Process Control. A uniform interface between process control and SCADA systems.
RDBMS	Relational Data Base Management System
SCADA	System Control And Data Acquisition
SMTP	Simple Message Transport Protocol. The electronic mail protocol.
SQL	Structured Query Language.
TCP	Transmission Control Protocol. Transport layer protocol which implements guaranteed package delivery when the Internet Protocol (IP) is used.
UDP	User Datagram Protocol. UDP uses an unguaranteed connectionless package delivery method. It is considerably faster than TCP. UDP can be used as a reliable transport method to ensure that data are transmitted to the recipient when a higher shift protocol exists.
WAN	Wide Area Network. This network connects IP devices and computers in various cities or countries.

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Space for Notes: