

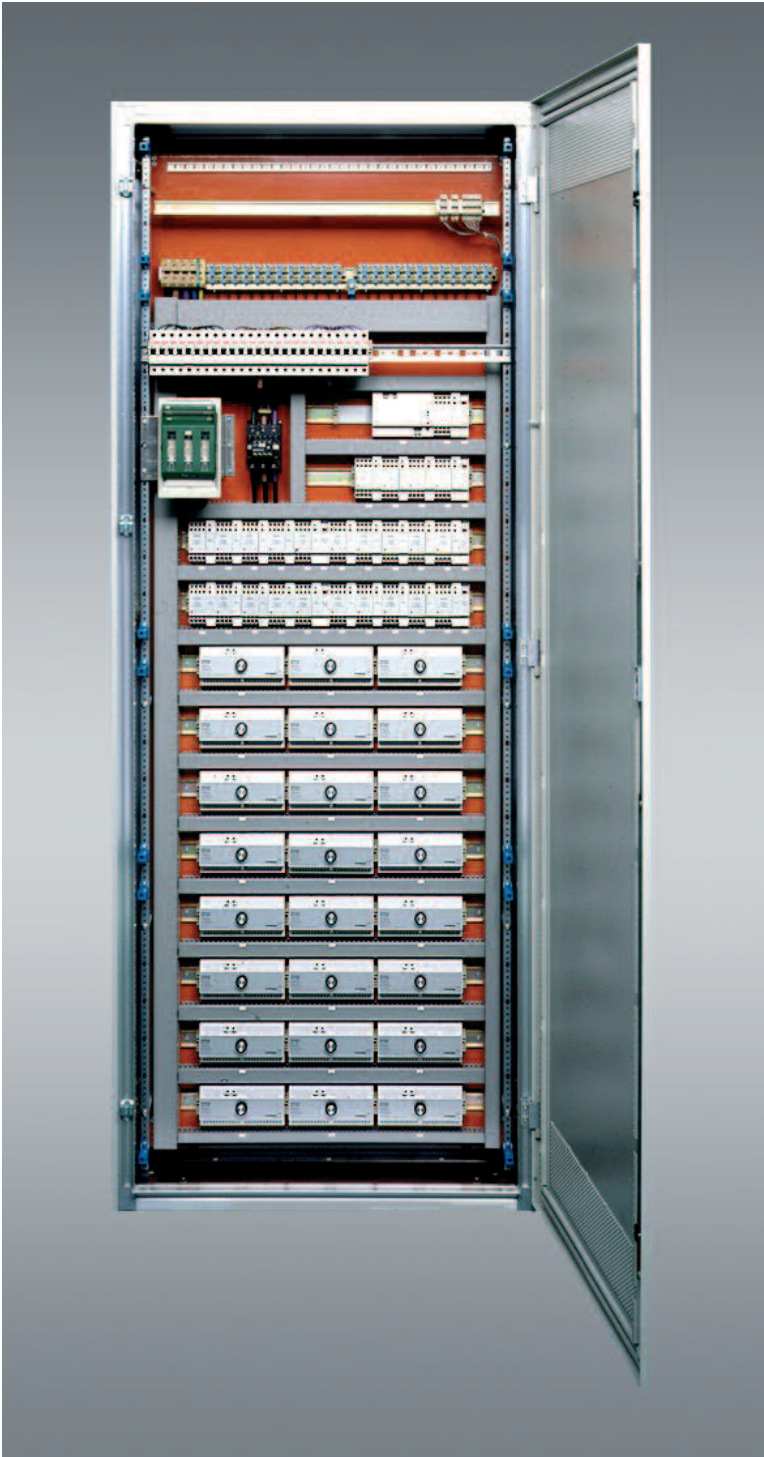


ALTENBURGER
ELECTRONIC GMBH

EIB/KNX Lighting Controls



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DIN rail cabinet for a programmable dimming control system with all required components

The production program comprises complete EIB/KNX-programmable dimming controls. They are internally wired, including all required components, programmed and addressed.

The systems survey on the pages 18/19 shows the combination of the different modules with the EIB/KNX control panels in form of pushbutton panels or touch screens. In both cases a visualization can be made with architectural layouts, light fixtures or groups, their function as well as supplementary controls for shutters, sun protection or curtains.

The functions of the different EIB/KNX modules being suitable for individual controls as well as for programmable control systems are shown on the following pages.

Illustration	Description	Type	Order-No.
	<p>1-pushbutton panel, customary, any make (non-KNX) in connection with an ALTENBURGER EIB/KNX load dimmer (ALTODIM, s.page 9), switch dim-actuator with 0-10V or 1-10V interface, Type IBDA/KP (s. page 12) or with the DALI-Switch-Dim-Actuator Type IBDA-DP (s.page 12).</p> <p>Functions: BRIGHTER-DARKER-ON/OFF. The last light level being set before switching OFF will be achieved again after switching ON.</p>	NT 1 SO	80.14.540
	<p>3-pushbutton panel with integrated bus-coupling unit in connection with ALTENBURGER EIB/KNX-dimmers and with switch dim-actuators as referred to under panel type NT 1.</p> <p>Pushbutton functions: BRIGHTER-DARKER-ON/OFF. Suitable in connection with EIB-projects. Optional: LED indication for ON.</p>	NT 3 SO	80.14.541
	<p>4-pushbutton panel with integrated bus-coupling unit with functions: 2 circuits, each one ON/BRIGHTER and DARKER/OFF or 1 circuit ON/BRIGHTER and DARKER/OFF 1x shutter, open/close optional: other pushbutton functions</p> <p>Suitable EIB/KNX dimmers as under type NT1</p>	NT 4 SO	80.14.542

Standard design for all panels: frame and plates aluminium natural anodized, brushed, dull or polished, Pushbutton black with white symbols
For further combinations please refer to page 20

Illustration	Description	Type	Order-No.
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Control panels for ALTENBURGER EIB/KNX dimmers, shutter and ventilator controls, flat design (h=12mm) for wall-recessed DIN or BS-1-gang boxes (55 mm Ø)



5-pushbutton-panel with integrated bus-coupling unit with the pushbuttons:
 4xScenes
 1xON/OFF with LED-back indication for 2 circuits BRIGHTER/DARKER and
 1xMaster control ON/OFF
 Optional: other pushbutton functions

NT 5 SO

80.14.543

Suitable EIB/KNX dimmers as under type NT1



6-pushbutton-panel
 for 6 switch or dim-functions
 Optional: other pushbutton functions
 Optional: with or without LED back indication

NT 6 SO

80.14.544

Suitable EIB/KNX dimmers as under type NT1



Programmable scene selector panels
 in combination with programmable ALTENBURGER EIB/KNX load dimmers (ALTODIM/P – see page 10 and 11), switch dim-actuators 0-10 V or 1-10V interface (type IBDA-KP s.page 12) or with EIB/KNX DALI-Switch-Dim-Actuator, Type IBDA/DP (s.page 12).

Mini-FIB6/PRO

80.14.510

Pushbutton functions:
 6xScene selection (with LED indication)
 1xBRIGHTER
 1x DARKER
 1xON/OFF (with LED indication)
 1xProgramming (with LED indication)
 Other pushbutton functions optional:



Illustration	Description	Type	Order-No.
	<p>EIB/KNX Programmable scene selector panel, 81 x 81 mm</p> <p>For 1-gang boxes DIN 55 mmØ flat design (h=12mm)</p> <p>Pushbutton functions:</p> <ul style="list-style-type: none"> 12 x Scene selection with LED-indication 1 x BRIGHTER 1 x DARKER 1 x ON/OFF with LED- indication 1 x Programming with LED-indication <p>Colour combinations please refer to page 20</p>	<p>Mini-FIB 12/PRO</p>	<p>80.14.520</p>
	<p>EIB/KNX Programmable scene selector panel</p> <p>With the functions:</p> <ul style="list-style-type: none"> 12 x Scenes with LED-indication 1 x BRIGHTER 1 x DARKER 1 x ON/OFF with LED-indication 1 x Programming with LED-indication <p>Optional: with interlock key switch.</p> <p>Dimensions (WxHxD):</p> <ul style="list-style-type: none"> Wall-recessed housing: 100 x 200 x80 mm Panel plate: 120x220 mm <p>Colour combinations please refer to page 20</p>	<p>FIB 12S</p>	<p>80.14.530</p>

Illustration	Description	Type	Order-No.
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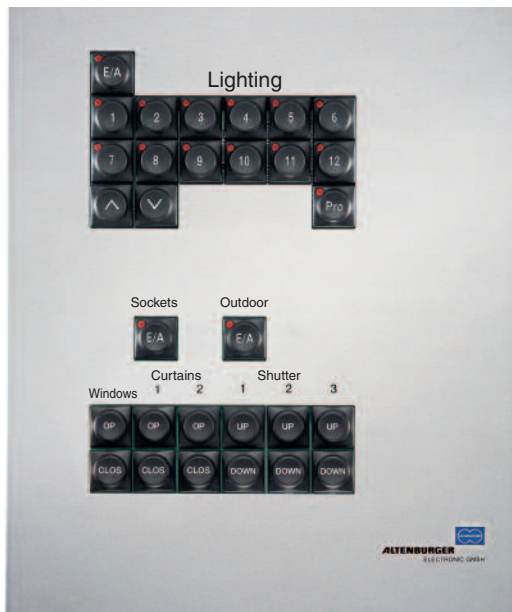
Programmable EIB/KNX control panels



With the same functions as on page 6 (bottom), however with the horizontal design.
 Pushbutton functions:
 12 x Scene selection with LED-indication
 1 x BRIGHTER
 1 x DARKER
 1 x ON/OFF with LED- indication
 1 x Programming with LED-indication
 Optional: with interlock key switch.
 Wall-recessed housing (WxHxD)= 200 x100x80mm
 Panel plate: (WxH)=220 x120 mm

FIB 12w

80.14.531



EIB Programmable scene selector panel Special design for private homes with the following functions:

Lighting

12 xScene selection with LED
 1 x BRIGHTER
 1 x DARKER
 1 x ON/OFF with LED
 1 x Programming with LED

Sockets

ON/OFF with LED

Outdoor lighting

ON/OFF with LED

windows:

OPEN and CLOSED

curtains

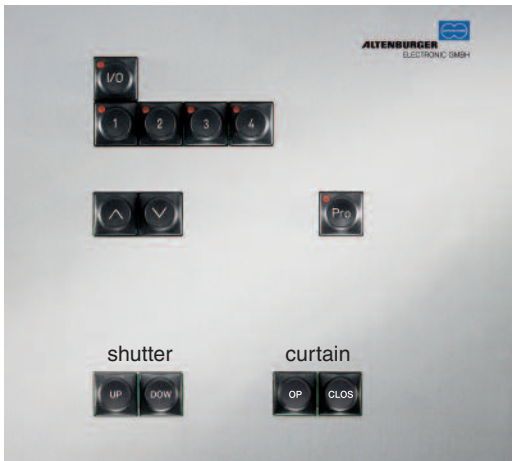
2 x OPEN and CLOSED

shutter

3 x UP and DOWN

Wall-recessed housing(WxHxD)=200x260x80 mm

Panel plate (WxH) = 220x280 mm



EIB/KNX lighting control for Conference rooms with the functions:

Special design

4 x Scene selection with LED

1 x BRIGHTER

1 x DARKER

1 x ON/OFF with LED

1 x Programming with LED

1 x Shutter UP and DOWN

1 x Curtain OPEN and CLOSED

Wall-recessed housing:(WxHxD) =200x200x80mm

Panel plate (WxH) = 220 x 220 mm

Surface property: (optional combinations)

Surface plate	pushbutton (square)
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Aluminium anodized, natural
 white
 black
 Stainless steel, brushed
 Stainless steel, dull
 Brass, gold-plated

black with white symbols
 white, with black symbols
 black, with white symbols
 black, with white symbols
 black, with white symbols
 black, with white symbols

Illustration	Description	Type	Order-No.
	Handheld IR-programmer or radio-programmer	IR/PRO	50.13.545
		FU/PRO	50.13.547
	Remote Controls with the same pushbuttons as control panels (f. i. see pages 6 and 7) Handheld-IR-transmitter for the selection of 12 x lighting scenes 6 x Lighting scenes The transmitters can be operated in parallel to pushbutton or Touch Panels.	IR 12	50.13.548
		IR 6	50.13.549
		FU 12	50.13.550
	Radio-transmitter Functions identical with the IR-transmitter The Handheld IR- or Radio transmitters can be extended through switch and other functions Standard design: Housing: black Plate: aluminium anodized, natural colour Pushbuttons: black	FU 6	50.13.551
		IBAS	80.14.550
	Control for divided rooms (Assigner)		
	IR-Sensor	IR-E/S	50.13.041
	Radio receiver	FU-E/S	52.10.000
	IR- and radio decoder	IBIR-P	80.14.402

Illustration	Description	Type	Order-No.
ALTODIM EIB/KNX Dimmers for DIN rail systems up to a load capacity of 2 KW without internal scene memory			
	Phase-interval (lagging edge) controlled dimmer for electronic transformers 600 W/VA ALTODIM 600-0	IBDA 600-0	80.13.061
	Phase-interval (lagging edge) controlled dimmer for electronic transformers 1400 W/VA ALTODIM 1400-0	IBDA 1400-0	80.13.064
	Phase-controlled (leading edge) dimmer for incandescent lamps, high-voltage halogen lamps, low-voltage halogen lamps with wire-wound transformers, neon lamps, 600W/VA ALTODIM 600	IBDA 600	80.13.065
	Phase-controlled (leading edge) dimmer for incandescent lamps, high-voltage halogen lamps, low-voltage halogen lamps with wire-wound transformers, neon lamps, 1300W/VA ALTODIM 1300	IBDA 1300	80.13.062
	Phase-controlled (leading edge) dimmer for incandescent lamps, high-voltage halogen lamps, low-voltage halogen lamps with wire-wound transformers, neon lamps, 2000W/VA ALTODIM 2000	IBDA 2000	80.13.063
	Universal dimmer for electronic transformers, incandescent lamps and low-voltage halogen lamps with wire-wound transformers, 1500W/VA ALTODIM 1500 U	IBDA 1500 U	80.13.070
	Dim-actuator 1-10 V for electronic dimmable ballasts and transformers with 1-10V interface	IBDAN	80.14.110
	Dim-actuator 0-10 V for ALTENBURGER Dimming controls	IBDAS	80.14.120

Illustration	Description	Type	Order-No.
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ALTODIM/P EIB/KNX dimmers up to a load capacity of 2 KW with internal scene memory



Phase-interval (lagging edge) controlled dimmer for electronic transformers 600 WVA
ALTODIM 600-0/P

IBDA 600-0/P

80.13.161



Phase-interval (lagging edge) controlled dimmer for electronic transformers 1400 WVA
ALTODIM 1400-0/P

IBDA 1400-0/P

80.13.164



Phase-controlled (leading edge) dimmer for incandescent lamps, high-voltage halogen lamps, low-voltage halogen lamps with wire-wound transformers, neon lamps, 600WVA
ALTODIM 600/P

IBDA 600/P

80.13.165



Phase-controlled (leading edge) dimmer for incandescent lamps, high-voltage halogen lamps, low-voltage halogen lamps with wire-wound transformers, neon lamps, 1300WVA
ALTODIM 1300/P

IBDA 1300/P

80.13.162

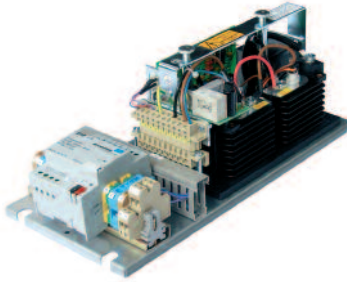


Phase-controlled (leading edge) dimmer for incandescent lamps, high-voltage halogen lamps, low-voltage halogen lamps with wire-wound transformers, neon lamps, 2000WVA
ALTODIM 2000/P

IBDA 2000/P

80.13.163

Illustration	Description	Type	Order-No.
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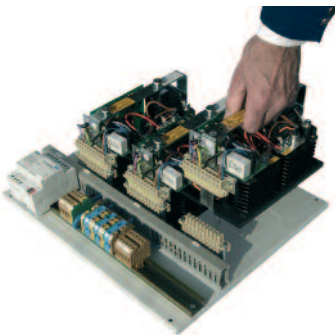


1-phase
TH-plug-in module

Conventional Dimmers, operating in the phase control (leading edge) mode

for the backplate mounting in cabinets, being suitable for incandescent lamps, high-voltage halogen lamps, low-voltage halogen lamps with wire-wound transformers and neon lamps with mounting plate and terminal blocks, plug-in load and control components

Up to 2 KW/KVA	TH 2KW	51.02.000
Up to 3 KW/KVA	TH 3KW	51.02.001
Up to 5 KW/KVA	TH 5KW	51.02.002
Up to 8 KW/KVA	TH 8KW	51.02.003



3-phase
TH-Plug-in module

Up to 3 x 2 KW/KVA	TH 3x2KW	51.11.000
Up to 3 x 3 KW/KVA	TH 3x3KW	51.11.001
Up to 3 x 5 KW/KVA	TH 3x5KW	51.11.002
Up to 3 x 8 KW/KVA	TH 3x8KW	51.11.003

Conventional dimmers, operating in the phase-interval (lagging edge) control mode

for the backplate mounting in cabinets, for low-voltage halogen lamps with electronic transformers, incandescent lamps and high-voltage halogen lamps (design as above)

Up to 2 KW/KVA	TH 2KW-0	51.02.100
Up to 3x2KW/KVA	TH3 x2KW-0	51.11.100

The aforementioned dimmers can be combined with programmable EIB/KNX-switch-dim-actuators (page 12).

The following dimmers have already an integrated programmable EIB/KNX switch dim-actuator:

Programmable EIB/KNX-Dimmers operating in the phase-control (leading edge) mode with integrated EIB/KNX Dim-actuator for the back plate mounting in cabinets, being suitable for incandescent lamps, high-voltage halogen lamps, low-voltage halogen lamps with wire-wound transformers and neon lamps with mounting plate and terminal blocks, plug-in load and control components. Functions: see page 10

Up to 2 KW/KVA	TH-EIB/P 2KW	80.02.000
Up to 3 KW/KVA	TH-EIB/P 3KW	80.02.001
Up to 5 KW/KVA	TH-EIB/P 5KW	80.02.002
Up to 8 KW/KVA	TH EIB/P 8KW	80.02.003
Up to 3 x 2 KW/KVA	TH-EIB/P 3x2KW	80.11.000
Up to 3 x 3 KW/KVA	TH-EIB/P 3x3KW	80.11.001
Up to 3 x 5 KW/KVA	TH-EIB/P 3x5KW	80.11.002
Up to 3 x 8 KW/KVA	TH-EIB/P 3x8KW	80.11.003

Programmable EIB/KNX Dimmers operating in the phase-interval (lagging edge) control mode with integrated EIB/KNX dim-actuator for the backplate mounting in cabinets, for low-voltage halogen lamps with electronic transformers, incandescent lamps and high-voltage halogen lamps

Up to 2 KW/KVA	TH-EIB/P 2KW-0	80.02.100
Up to 3x2KW/KVA	TH-EIB/P 3x2KW-0	80.11.100

Illustration	Description	Type	Order-No.
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Programmable EIB/KNX Switch-Dim-Actuator with internal scene memory for 25 scenes with 1-10V and 0-10 V interface

IBDA-KP

80.14.132



The IBDA-KP is suitable for the control of up to 100 dimmable ballasts with 1-10V interface or 5 ALTENBURGER dimmers (with 0-10V interface). Via received KNX-Switch- and Dim-commands the connected load can be switched ON/OFF or dimmed between minimum and maximum.

The module has a memory for 25 scenes with fade time and corridor / cleaning light control. Additionally an automatic scene sequence can be programmed and selected.

With the combination of 3 IBDA-KP modules e.g. a colour sequence control (RGB) can be realized

The dim-actuator can be controlled with KNX buttons or a suitable (touch screen) visualization. The actuator however also can be controlled through its pushbutton inlet with a customary pushbutton (1-pushbutton dim-function). For details of parametrizing and objects see application description in the ALTENBURGER EIB/KNX handbook.

Programmable EIB/KNX DALI-Switch-Dim-Actuator with internal scene memory for up to 25 scenes

IBDA-DP

80.14.170



Application and function:

The EIB/KNX DALI switch-dim-actuator is suitable for the control of max. 100 DALI ballasts or transformers and digital ->analog converters. It performs the following functions:

- The integration of DALI ballasts or transformers into EIB-Lighting systems. DALI ballasts are being switched and dimmed with EIB/KNX DALI switch-dim-actuators.
- The module has 25 internal scene memories with fade time settings from scene to scene, cleaning and corridor lighting controls. Additionally scenes can be programmed to a sequence and selected accordingly (scene sequence control). With the combination of 3 EIB/KNX DALI switch-dim-actuators e.g. a colour sequence (RGB) can be programmed. Additionally the EIB/KNX DALI switch-dim- actuator is one of the components for a complete EIB-programmable dimming control system (see survey pages 18/19). If the number of DALI-ballasts or of converters exceeds the number of 100, additional EIB/KNX DALI switch-dim-actuators can be integrated.

- The EIB/KNX DALI switch-dim-actuator can be operated with customary EIB-controls or with a suitable visualization. The module however also can be controlled directly with a pushbutton input and a customary pushbutton (1-push-button-dim-function). Details for the parametrizing and to objects: see application description.
- The actuator includes already the current supply for the interfaces of 100 DALI ballasts. All connected electronic ballasts have the same address (broadcast).

Illustration	Description	Type	Order-No.
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EIB/KNX Multi-Sensor-Dimmer for the daylight- and presence-dependent lighting control		IBMSD	80.14.800
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Possibilities:

- Elimination of one of both above-mentioned functions via the ETS
- manual lighting control with a pushbutton panel



EIB/KNX Multi-Sensor-Dimmer Type IBMSD

Product features

With a direct voltage-free contact and the 1-10V and 0 – 10 V interface dimmable electronic ballasts, transformers and load dimmers can be switched and controlled in dependence of the daylight (constant light control) and presence detection or one of both functions.

The delay time after the end of a presence detection can be set at the Multi-Sensor-Module itself between 1 and 30 min. After this time lighting goes to 1 % of maximum and finally switches OFF after a time range of 1-255 min. with the ETS project.

The light level to be kept constant can also be preadjusted at the multi-sensor dimmer.

KNX-projection with the following functions:

- light switching ON/OFF
- light dimming
- Set light level to be kept constant in dependence of the daylight and storing
- Activation and deactivation of constant light control
- Presence detection ON/OFF
- Function heating, airconditioning, ventilation etc. ON/OFF
- Additional motion depending ON/OFF command for external functions (heating airconditioning, ventilation) etc. to be projected time dependent.

The presence detection comprises a diameter of 7m at a mounting height of the module of 3 m. For the extension of the range of detection up to 64 multi-sensor modules, type IBMSD can be combined on the KNX Bus.



4-pushbutton-EIB/KNX-Programming-panel with manual control

The programming of the light level to be kept constant and a manual dimming control can be performed with a remote 4-pushbutton-control and programming panel: (see page 4)

Automatic-Mode (storing of the light level to be kept constant):

1. When pressing the button ‚AUTOMATIC/MANUAL‘: the LED at the pushbutton lights up as soon as the automatic mode is achieved.
2. With the pushbutton ‚BRIGHTER‘ and ‚DARKER‘ the light level to be kept constant can be selected.
3. The selected light level is kept constant after pressing the pushbutton ‚STORE‘
4. If the LED at the pushbutton ‚STORE‘ does not light the dimmer control is in the manual mode and can be dimmed with ↑ and ↓.

Manual Control

After pressing the button ‚Manual/Automatic‘ the lighting is in the manual mode if the LED at the button does not light.

Pressing the pushbutton BRIGHTER (↑): Lighting switches ON and becomes brighter until the button is released.

Pressing the pushbutton DARK (↓): lighting becomes darker and finally switches OFF.

The same functions can be performed at a Touch Panel.








Illustration	Description	Type	Order-No.
 <p data-bbox="76 544 416 607">EIB/KNX Multi-Sensor-Controller</p>	<p data-bbox="416 165 1038 197">EIB/KNX Multi-Sensor-Controller,</p> <p data-bbox="416 197 1038 331">The controller has the same functions as the Multi-Sensor IBMSD, it can however be connected with 6 IBMSD sensors for the extension of the range of motion detection.</p> <p data-bbox="416 331 1038 443">The sensors are not including the IBMSD control electronic. This is included in the controller IBMSC-NV. Its switch capacity is 16A.</p> <p data-bbox="416 454 1038 667">If one sensor recognizes a presence lighting in the range of detection of all connected sensors is switching ON. Each sensor identifies ,his' light level, and all connected sensors are computing a mixed light level which is the light level being kept constant.</p> <p data-bbox="416 678 1038 813">Optional the functions ,presence detection' or ,daylight dependent constant light control' can be eliminated through the ETS software so that just one function is active.</p> <p data-bbox="416 835 1038 972">The sensors are wired in a conventional mode. Optional the range of detection also can be extended with the combination of up to 64 IBMSD Multi-Sensor-Controls at the KNX bus.</p>	IBMSC-NV	80.14.810
	<p data-bbox="416 994 1038 1106">The LBS/d sensor has the same housing as the multi-sensor-dimmer IBMSD (please refer to page 13)</p>	LBS/d	51.21.031
	<p data-bbox="416 1397 1038 1464">The (Multi) Sensor has a ceiling recessed-down-light-housing with swivelling suspension</p>	LB/dk	51.21.039
	<p data-bbox="416 1800 1038 1868">The (Multi-) Sensor is suitable for the mounting to lamp fixtures or other components.</p>	LBS/e	51.21.030

Illustration	Description	Type	Order-No.
	<p>EIB/KNX light-value control switch IBLWS 3 operating in dependence of the daylight</p> <p>The IBLWS 3 switches 3 connected light circuits in dependence of the daylight ON and OFF. The low-voltage signals from a light sensor being mounted outside the building or close to a window are processed by the IBLWS 3 according to the set light levels. The light levels for each channel can be set at the module between 20 and 2000 lux and between 200 and 20000 lux. With the ETS parameter it can be decided if the switch telegram shall be sent after the set light levels have exceeded or fallen below.</p> <p>Der IBLWS 3 has a switch capacity of max. 3x10 A/250 V ~.</p> <p>Set and display functions:</p> <ol style="list-style-type: none"> 1) 3 Potentiometers for the setting of the switch ON/OFF levels for each of the 3 channels 2) 3 LED: display for the switch state (lighting up if lamps are switched ON) 	IB LWS 3	80.14.016
<p>3-channel EIB/KNX Light value control switch IBLWS 3</p>			
	<p>Photosensor for the light-value control switch</p> <p>Water proof (IP 55), swivelling for a 2-hole – mounting outside or inside close to a window.</p> <p>Suitable in connection with the 3 channel EIB/KNX Light-value control switch, type IBLWS 3</p>	LF/w/D	51.21.010
<p>photosensor Type LF/w/D</p>			
	<p>Photosensor for the light value control switch However with protection basket</p>	LF/w/D-sk	51.21.091
<p>Type LF/w/D with protection basket</p>			

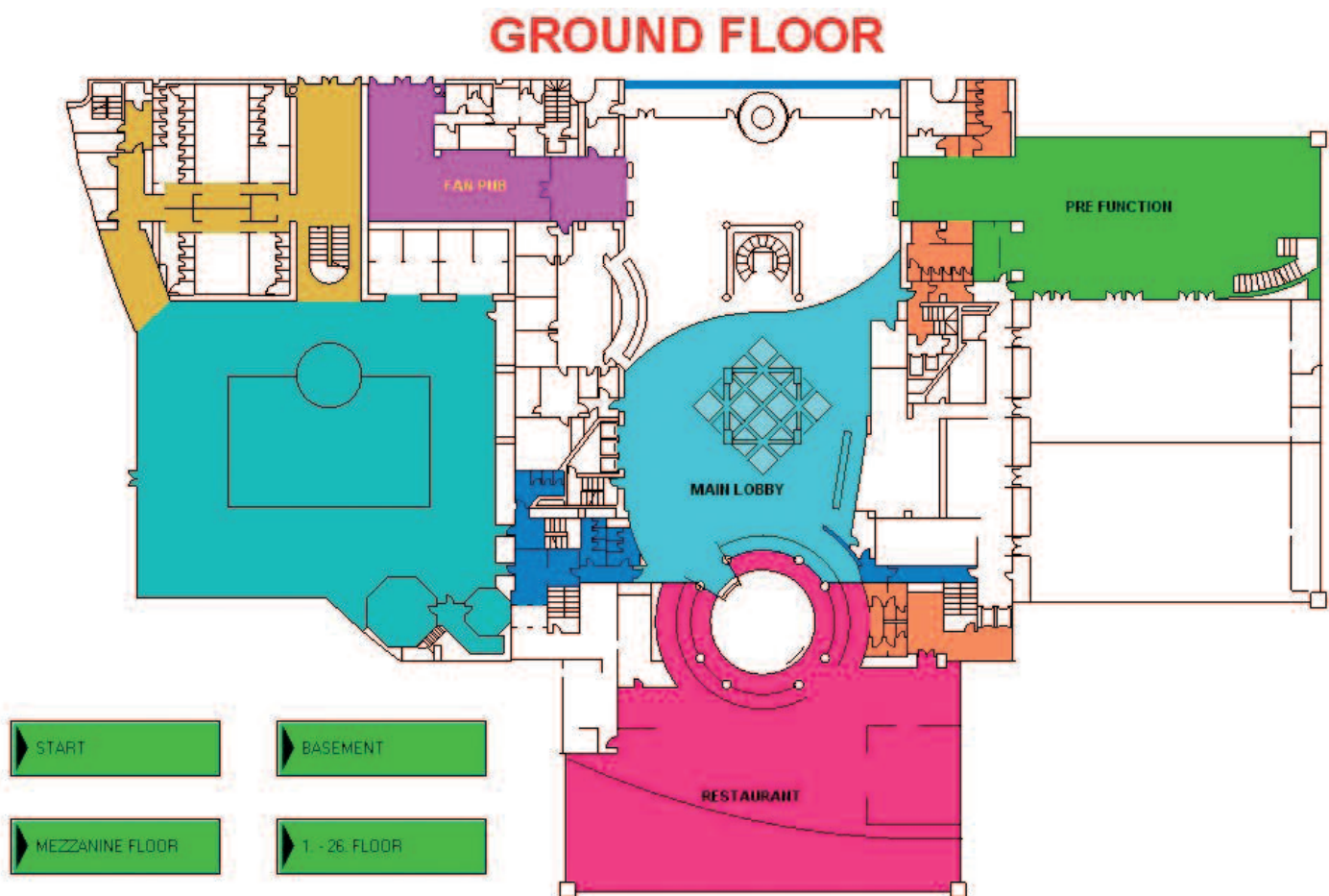
Programmable Touch Panels

Instead of EIB/KNX-pushbutton control panels also touch panels as programmer and selection panels can be realized. **They are available including the programming and addressing.**

- in all customary sizes (6, 10, 12, 15")
- black-white and coloured
- with and without architectural layout

For example:

5-Star Hotel



Comprehensive EIB/KNX-Lighting control in all public areas via Touch Panels, including architectural layouts.

Possibilities:

- Static lighting scenes (independent of the daylight and presence detection)
- Dynamic lighting scenes (scenes operating in dependence of the daylight and presence detection).
- If required a minimum light level can be kept constant even if no presence is detected.

Programmable Touch Panels

Touch Panels with the possibility of the selection of

- **static scenes:** the respective scene remains static independent of the daylight portion or presence detection
- **dynamic scenes:** the respective scene adjusts smoothly to the daylight and operates in dependence of presence detection. If daylight exceeds the set light level or if no presence is detected lighting would not burn. It burns only if presence is detected and it adds to the daylight only so much artificial light as required for the achievement of the set light level.

With the touch panel also sequence controls (also RGB), shutter controls, air-conditioner and heating controls can be performed.

Touch panels with the possibility of static and dynamic scene controls for a hotel with comprehensive wellness area.

Restaurant and conference room

Scene selection conference room

ON OFF

Scene

1 2 3 4

5 6 7 8

9 10 11 12

Scene selection restaurant

ON OFF

Scene

1 2 3 4

5 6 7 8

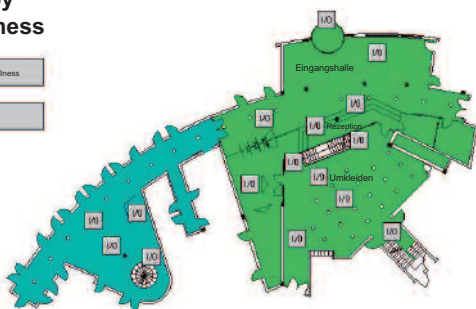
9 10 11 12



Lobby Wellness

Lobby/Wellness

Start page



Entrance lobby upper floor

1 2+3

I/O I/O

Scene selection Lobby/Wellness

ON OFF

Scene

1 2 3 4 5 6

7 8 9 10 11 12

Sauna/Wellness indoor/outdoor

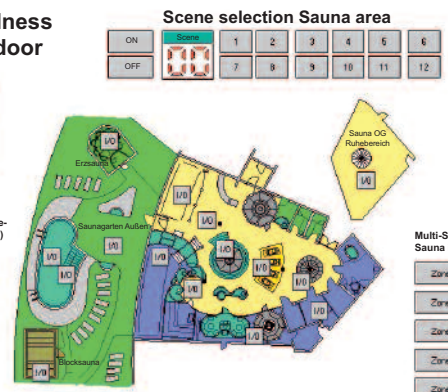
Sauna

Start page

Multi-Sensor-Light-value-Control switch (MS-LRS) Sauna outdoor

MS - LRS area 1

MS - LRS area 2



Scene selection Sauna area

ON OFF

Scene

1 2 3 4 5 6

7 8 9 10 11 12

Multi-Sensor-Dimmer Sauna indoor

Zone 1

Zone 2

Zone 3

Zone 4

Zone 5

System survey EIB/KNX-Programmable Dimming Controls

The system survey indicates the combination of different EIB/KNX-components:

- **EIB/KNX Switch-Dim-Actuators for 1-10V / 0-10V**
for the direct control of electronic ballasts for fluorescent lamps and electronic transformers with 1-10V interface for low-voltage halogen lamps as well as for ALTENBURGER dimmers from 3 KW onwards.
- **EIB/KNX Switch-Dim-Actuators for DALI**
for the direct control of electronic ballasts for fluorescent lamps and electronic transformers with DALI-interface.
- **EIB/KNX-Dimmers with integrated dim-actuators**
Phase-controlled or phase-interval controlled dimmers for incandescent lamps, high voltage halogen lamps or low-voltage halogen lamps with wire-wound or electronic transformers.
- **IR- or radio transmitters and decoders**
for the programming and scene selection.
- **Pushbutton or touch panels for the programming and scene selection**
If specified with layouts and integrated lamps and control functions.

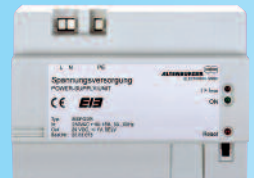
IR- or radio-receiver



IR- / radio-decoder



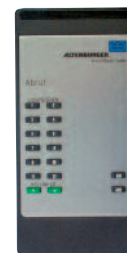
EIB/KNX power supply



Touch Panels / pushbutton panels



IR- or radio programmer



IR- or radio transmitter

EIB/KNX-BUS

Comfortable EIB-lighting controls with Touch Panels, Visualization, pushbutton panels with the functions:

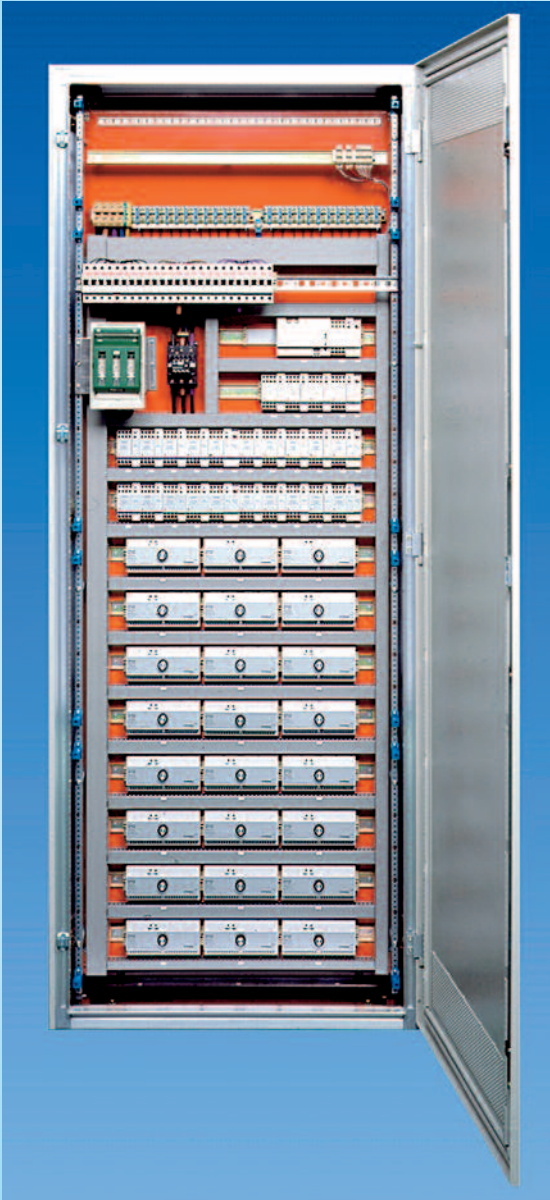
- Switching, Dimming, light-level and fade time setting
- 25 integrated scene memories
- Scene sequences
Scenes to be combined to sequences
e.g. RGB colour controls (3 devices required)
- Cleaning and corridor light
- Shutters

optional:

- communication with EIB, e.g. via Ethernet, ISDN
- combination with other systems, e.g. PLC, DALI ...
- remote maintenance ...



EIB - Gateway



dimmer rack cabinet

Programmable EIB/KNX Switch-Dim-Actuators for 1...10V/0...10V



Type: IBDA-KP

- 1...10V Electronic ballasts
- electronic transformers with 1...10V interface
- ALTEMBURGER dimmers with load capacities of 3-8 KW

Programmable EIB/KNX Switch-Dim-Actuators for DALI



Type: IBDA-DP

- DALI-ballasts
- electronic transformers with DALI-interface

Programmable EIB/KNX dimmer with integrated dim-actuators operating in the phase-controlled (leading edge) mode



ALTODIM /P dimmer with load capacities of 600/1300/2000W VA

- incandescent or high-voltage halogen lamps
- low-voltage halogen lamps with wire-wound transformers
- neon lamps

Type: IBDA600/P

Type: IBDA1300/P

Type: IBDA2000/P



Programmable EIB/KNX dimmer with integrated dim-actuators operating in the phase-interval controlled (lagging edge) mode

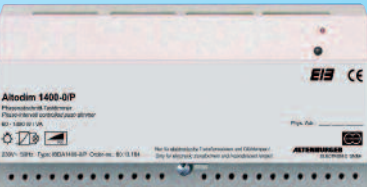


ALTODIM /P dimmer with load capacities of 600/1400W VA

- incandescent or high-voltage halogen lamps
- low-voltage halogen lamps with electronic transformers

Type: IBDA600-0/P

Type: IBDA1400-0/P



Possible combinations of frames-plates-pushbuttons for KNX-control panels

Color combination: R= Frame, E= Inlay, T= Pushbutton



R= white, E= white, T= white



R= black, E= black, T= black



R= white, E= blue, T= white



R= grey, E= stainless steel, T= grey



R= black, E= gold, T= black



R= black, E= stainless steel, T= black
(dull or brushed)



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