# **AC Cloud Control**

# Web Interface - User Manual

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# **Important User Information**

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URL https://www.intesis.com

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## 1. Description

#### 1.1 Introduction

AC Cloud Control is the perfect IoT solution for professional AC management. It has been developed along with the mayor AC manufacturers and offers the possibility to control almost any domestic, commercial or VRF AC unit in the market from a generic dashboard available for Android, iOS or in any web browser.

The AC Cloud Control system offers many functionalities covering different needs like energy saving and air conditioner maintenance just to name some of them. All these functionalities make the product the best professional solution for offices, stores, schools or any other commercial building.

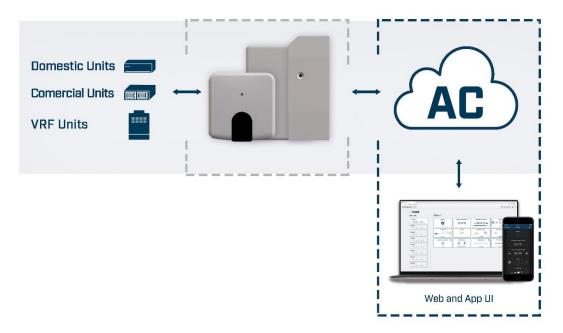


Figure 1.1 AC Cloud integration.

#### **1.2 About this document**

This document describes how to use the AC Cloud Control web interface. It contains a step by step guide explaining how to create a user account, how to register an AC Cloud device, how to configure them using the web interface and how to use the all different functions available.

#### 1.3 What is needed

In order to use AC Cloud Control system is needed, at least, the following:

#### • AC Cloud Control device.

Before starting to use the AC Cloud Control system, it is needed to acquire and install (if the user hasn't done yet) an AC Cloud Control device<sup>1</sup>.



<sup>&</sup>lt;sup>1</sup> AC Cloud Control devices can be purchased in your usual air conditioner or heat pump reseller center or distributor.



#### • Make sure to buy the right device.

Remember that there are the Universal and the Brand Specific Wi-Fi Controllers available for each manufacturer and type of climate system, check <u>the compatibility</u>.

#### Internet access<sup>2</sup>

The AC Cloud Control devices must be connected to internet using Wi-Fi, therefore make sure the Wi-Fi signal reaches the device location.

- During registration process.
- During normal working mode.
- To control the device from the web interface.

#### • Device with Internet access.

A device with internet access is needed (Desktop/laptop computer, Smartphone or Tablet).

Make sure the smartphone or tablet used is Android or iOS compatible.

In addition, confirm the mobile device supports at least one of the following browsers (See <u>Figure 1.2</u>) if the user wants to control the AC Cloud Control system using the web dashboard.





<sup>&</sup>lt;sup>2</sup>Costs related with Internet access are not included in the AC Cloud Control price. Ask your Internet Service Provider about the associated costs of your Internet connection.

## 2. Quick Start Guide

In order to start using the AC Cloud Control system is needed to install the device, register it and own a user account. Down below, is a step by step guide to guide the user through the process.

#### 1. Device installation

The device installation varies depending on the model, so a printed installation sketch guide is included in the device box. The installation sheet can be found in <u>our website</u>, on the technical documentation tab of each product.

#### 2. User registration

In order to get access to the AC Cloud Control device and its functionalities, a user account is needed. For detailed user creation information, go to see <u>Section 3.1</u>

#### 3. Device registration

Once the device is installed, it must be registered using a user account. Further information on device registration can be found in <u>Section 4.2.3</u>

#### 4. System configuration

Set the account with the preferred settings: language interface, personal data, device organization and more. See <u>Section 4</u> for more details on system settings.

#### 5. System control

See <u>Section 5</u> for more detail about how to control the climate system and the different options available according to the climate system.



## 3. Main Users

Main users have the ownership of the devices and can create settings using the other functions (Scenes, Calendar, Maintenance). In addition, the just the main users can give permissions over a second and lite users. Further information can be found in <u>Section 4.3</u>

#### 3.1 User Registration

To create a new account, follow the instructions bellow.

- 1. Go to https://accloud.intesis.com
- 2. Choose the language wanted in the field located in the right top corner. (See Figure 3.1).
- 3. Click on Create account (See Figure 3.1).



Figure 3.1 AC Cloud Control login site.

4. Fill the form with proper personal data<sup>3</sup> (Fields marked with \* are mandatory) and accept terms and conditions (See Figure 3.2). Click on **Create My Account**.

*Note*: The password must be 6 characters long, must include an uppercase character, one lowercase character, one number and a symbol.

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<sup>&</sup>lt;sup>3</sup> All personal data will be treated as specified in the Terms and Conditions document.



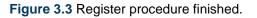
First Name		*	Last name		*			
Email address		*	Confirm email		*			
Password		*	Confirm password		*			
Username		*	Country	United Kingdom	× *			
I have read and agree the General Conditions .  We ACCEPT/GIVE EXPRESS CONSENT to treat your data to provide you our services as well as being able to continue informing you of our news, services, products, events, promotions and providing updates and marketing. I have read and agree the Privacy Policy .  Cancel Create My Account								

Figure 3.2 User registration form

The personal information entered in this form can be modified afterwards. More information regarding this matter can be found in <u>Section 4</u>

5. A validation e-mail will be sent to the e-mail registered. Click on **Continue** (See Figure <u>3.3</u>).

	Crear una cuenta
	Gracias por registrarte. Recibirás un correo electrónico de verificación en breve. Si no ves el correo, asegúrate de que no se encuentra en la carpeta de "spam" o "correo no deseado".
Política de privacidad	Condiciones de uso   Copyright @ HMS Industrial Networks S L U. Todos los derechos reservador



6. Check the inbox and follow the instructions in the validation e-mail to finish the registering process.

**Note:** If no e-mail notification is received, make sure that the e-mail address entered is correct and/or check that the e-mail notification is not in the Junk or Trash folder of the e-mail account.

The link sent to the e-mail will validate the email account, and therefore activate it.

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#### 3.2 Login

A valid user account is needed to login to the AC Cloud Control.

- 1. Go to https://accloud.intesis.com
- 2. Type the user name or the registered e-mail and password on the corresponding fields, click on **Sign in** (See Figure 3.1).

#### 3.3 Password Reset

In case the user wants to change the password or do not remember it.

There are 2 ways to reset the password

- 1. Go to **Settings**, **Password**. For more information go to <u>Section 4.1.2</u>
- 2. Go to <u>https://accloud.intesis.com</u> Then, click on **Forgot your Password?** (See Figure 3.1).

Enter the e-mail address (See Figure 3.4) and click on Reset My Password.



Figure 3.4 Password reset requesting site.

If the entered email corresponds with an existing user, an e-mail will be sent to the user for password reset. (See Figure 3.5). Click on **Continue**.

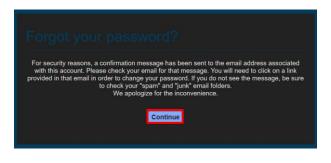


Figure 3.5 AC Cloud Control password reset.

Check the email inbox and follow the instructions for password reset.

*Note*: If no e-mail notification is received, make sure that the e-mail address entered is correct and/or check that the e-mail notification is not in the *Junk* or *Trash* folder of the e-mail account.



The link sent to the e-mail will lead the user to a site where the new password can be set (See <u>Figure 3.6</u>). When the new password is entered and confirmed, click on **Reset My Password**.



Figure 3.6 Password reset site.

*Note*: The password must be 6 characters long, must include an uppercase character, one lowercase character, one number and a symbol.

Once the password is changed, click on **Continue** (See Figure 3.7) so it will prompt to the login screen.

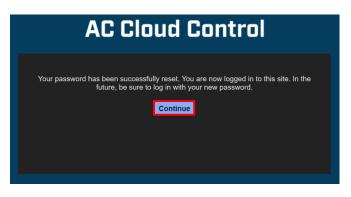


Figure 3.7 Reset password successfully done.

#### 3.4 Logout

To Logout, click on the last icon of the quick access menu placed in the top right side, click on **Logout** (See Figure 3.8).



Figure 3.8 Logout.





## 4. Settings

The system general and device configuration options can be found in the Settings menu.

There are 2 ways to access settings site (See Figure 4.1).

- 1. Click on **Settings** button of the AC Cloud Control home page.
- 2. Clicking the **Settings** icon of the quick access menu placed in the top right side.

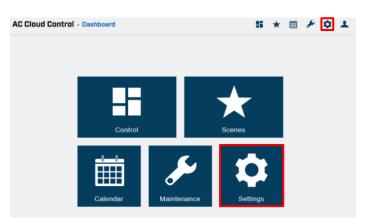


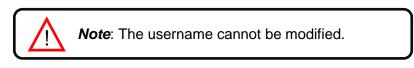
Figure 4.1. Access to Settings from the AC Cloud Control home.

#### 4.1 General

Interface preferences regarding to personal data and account configuration can be seen and modified.

#### 4.1.1 Personal

Click on General, Personal (See Figure 4.2)



• To edit the personal information, type on the corresponding field (See Figure 4.2). Click the **save**.





AC Cloud Control - Personal	settings		5 * 1 × 1
Personal Password Language Advanced Notifications	general My DATA Username First Name Last name Time zone Email address Address City	devices users about	
Connected with IH	Country ZIP code Gender Birthdate Phone Mobile Gonot wish to rec Save	Spain	

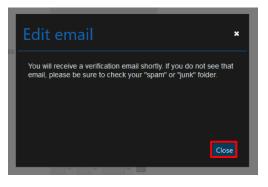
Figure 4.2 Personal information site.

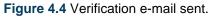
• To change the e-mail address, click on **Change** (See Figure 4.2). Then, type new e-mail address in the pop-up window. Click on **Send** (See Figure 4.3).

Edit email	×
Fill out the form below to change your em	nail:
Email xxxxxx@xxxxxxxx	
	Close Send

Figure 4.3 Change e-mail address.

A pop-up window will be shown informing that a verification e-mail has been sent to the account (See Figure 4.4). Click on **Close.** 







Check the inbox and follow the instructions in the validation e-mail to finish the process.

*Note*: If no e-mail notification is received, please make sure that you entered correctly your e-mail address and/or check that the e-mail notification is not in the *Junk* or *Trash* folder of the e-mail account.

The link sent to the e-mail will validate the email account, and therefore activate it

#### 4.1.2 Password

Click on General, Password. (See Figure 4.5).

There are 2 ways to reset the password

- 1. Go to <u>https://accloud.intesis.com</u>, tap on **Forgot your Password?** For more information go to <u>Section 3.3</u>
- 2. Click on Reset Password (See Figure 4.5).

AC Cloud Control - Passwo	rd settings	 *	Ē	۶	٥	+
	general devices users about					
Personal Password Language	Click the button below to change your password. For security reasons, you will receive a confirmation email containing a link allowing you to complete the password change. Reset Password					
Advanced Notifications Connected with IH						

Figure 4.5 Reset Password site.

A pop-up window will be shown with instructions to continue with the procedure (See <u>Figure 4.6</u>). Click on **Continue.** 

An e-mail will be sent to the user for password reset

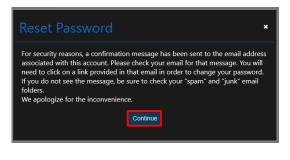


Figure 4.6 Instructions to reset Password.

Check the inbox and follow the instructions in the validation e-mail.





*Note*: If no e-mail notification is received, make sure that the e-mail address entered is correct and/or check that the e-mail notification is not in the *Junk* or *Trash* folder of the e-mail account.

The link sent to the e-mail will lead the user to a site where the new password can be changed

#### 4.1.3 Language

Click on General, Language (See Figure 4.7).

To change the language, click on the language wanted (See Figure 4.7). Refresh the page

AC Cloud Control - Languag	ge settings				 ★ 🗰	r o	1
	general	devices	users a	bout			
Personal	English	Deutsch	Français	Italiano			
Password	Español	Català	Svenska	Dansk			
Language	Norsk	Nederlands	Polski	Português			
Advanced	ελληνικά	Limba română	русский язык	Türkçe			
Notifications	中文	Croatian	Hungarian	العريية			
Connected with IH	čeština	فارسى	suomalainen	हिन्दी			



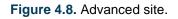
#### 4.1.4 Advanced

Click on General, Advanced (See Figure 4.8).

- To change the units of temperature (Celsius or Fahrenheit) Click on the checkbox of the unit wanted (See Figure 4.8).
- To change the viewer of the control page, click on dropdown menu and select a viewer (See <u>Figure 4.8</u>). or in change it in control page. Further information can be found in <u>Section</u> <u>5</u>
- All devices extended: the view will be in two columns. Devices and their Control widgets.
- Facilities zones and devices: the view will be in three columns. Facilities, Zones, Devices.
- All devices compact: the view will show just the devices linked to the account.

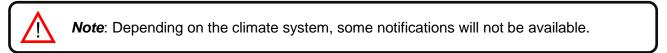


AC Cloud Control - Advanced setti	ngs	5	*	۶	٥	1
Personal Password Language Advanced Notifications Connected with IH	general       devices       users       about         UNITS         Show temperature in					



#### 4.1.5 Notifications

Click on General, Notifications (See Figure 4.9).



Notification are sent upon status changes to the owner's account and/or to a list of recipients and/or the app.

Cloud Control - Notifications	settings				# *	■ ⊁ ♀ .
	general devic	es us	ers a	bout		
	NOTIFICATION TYPES					
Personal				Facility	Barce	lona
Password	Notifications		Global actions	Zone	Zo	
Language				Intesis IR	intesis	Intesis 2
Advanced	Send AC error	140	OFF	ON	OFF	OFF
Notifications	Send AC error recovery	140	ON	ON	ON	ON
Connected with IH	Mode change	<u> 바</u>	OFF	OFF	OFF	OFF
	<ul> <li>Set point change</li> </ul>	<u> 1</u> 1 1 1	OFF	OFF	OFF	OFF
	O on/off change	소 44 🛛	OFF	OFF	OFF	OFF
	Ambient temperature below	<u> 바</u> []		22.0 °C ~	Off ~	Off ~
	Ambient temperature above	1 1 <u>1</u>		Off ~	25.0 °C ~	Off ~
	External temperature below	1.44.0		not evailable	not evailable	not evailable
	External temperature above	1 44 []		not available	not available	not eveilebie
	Total consumption exceeds	<u>+ 181 ()</u>	- ~	not available	not available	not available
	Maintenance time exceeded	140	OFF	OFF	ON	OFF
	Filter cleaning period exceeded	1 12 []	OFF	OFF	OFF	OFF
		ddress IX@XXXXX.XX @YYYYY.YYY				eiete
	active YYYYYY	@ <i>YYYYY</i> -YYYY			D	elete Disable
	paused yyyyyy	@xxxx.xx			D	elete Enable

Figure 4.9 Notifications site.



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- To set a notification as active, slide it to "ON" and click on the sender configuration wanted. In addition, some notifications can be configured (See <u>Figure 4.9</u>).
- Send to the main user
- Send to active receivers
- Send notifications to the

Notifications types:

- "Send AC error" Notification e-mail will be sent, if there is an error in the AC system.
- "Send AC error recovery" Notification e-mail will be sent, if the AC unit recovers after an AC system error.
- "*Mode change*" Notification e-mail will be sent, if there is a mode change on the AC unit.
- "Set point change" Notification e-mail will be sent, if there is a setpoint change on the AC unit.
- "on/off change"
   Notification e-mail will be sent, if the AC turns On or Off.
- "Ambient temperature below..."
   Notification e-mail will be sent, if the ambient temperature drops below the selected value.
- "Ambient temperature above..." Notification e-mail will be sent, if the ambient temperature rises above the selected value.
- "External temperature below..."
   Notification e-mail will be sent, if the external temperature drops below the selected value.
- "*External temperature above...*" Notification e-mail will be sent, if the external temperature rises above the selected value.
- "*Total consumption exceeds...*" Notification e-mail will be sent, if the total consumption exceeds the selected value.
- "*Maintenance time exceeded*" Notification e-mail will be sent, if maintenance time exceeds the selected time.
- "*Filter cleaning period exceeded*" Notification e-mail will be sent, if the filter cleaning period exceeds the selected time.



To send a notification to others e-mail address click on add recipient (See <u>Figure 4.9</u>). enter the e-mail address wanted in the pop- up window (See <u>Figure 4.10</u>). Click on continue

Note: Maximum 5 different recipients can be added.							
Add recipient * E-mail address WyWyWW@WWWYWWW							
Cancel							

Figure 4.10. Add e-mail recipient.

Our system will send a subscription request to the recipient asking to confirm it. Before the subscription has been accepted, the status shown will be "**to be confirmed**" Once the request has been confirmed by the recipient it will change into "**Active**"

To disable an e-mail recipient, click on disable. The status will change to "Paused" (See <u>Figure 4.9</u>). Then, a pop-up window will be shown telling that the recipient is going to be deactivated (See <u>Figure 4.11</u>). Click on Continue.

Enable recipient			×
You will deactivate the mail notifi this recipient	ication sy	stem for	Ŷ
	Cancel	Continue	

Figure 4.11. Disable e-mail recipient.

To enable an e-mail recipient, click on enable. The status will change to "Active" (See Figure 4.9). Then, a pop-up window will be shown telling that the recipient is going to be reactivated (See Figure 4.12). Click on Continue.

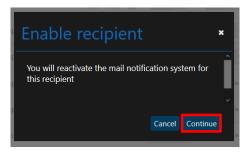


Figure 4.12. Enable e-mail recipient.





• To remove an e-mail recipient, click on delete (See <u>Figure 4.9</u>). Then, a pop-up window will be shown asking to make sure that the e-mail recipient is going to be deleted (See <u>Figure 4.13</u>). Click on **Delete**.

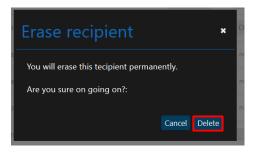


Figure 4.13. Erase e-mail recipient.

#### 4.1.6 Connected with ACCC

Click on General, Connected with ACCC (See Figure 4.14).

Overview of third-party applications which are linked to the account can interact with AC Cloud Control. If the account has not been linked to any third-party system, the information about it can be found in the **link** (See Figure 4.14)

C CIOUA CONTROL - Conn	ected with settings		li ★ iii ≯ ¢
	general devices u	sers about	
	WORKS WITH INTESISHOME		
	Intesis AC Cloud Control allows a secure interaction of		
Personal	application strengths along with our system to improve	your comfort and energy saving levels. Fin	nd more information at link
Personal Password	application strengths along with our system to improve	your comfort and energy saving levels. Fin	nd more information at link
	application strengths along with our system to improve	your comfort and energy saving levels. Fin	nd more information <u>at link</u>
Password	application strengths along with our system to improve	your comfort and energy saving levels. Fin	nd more information <u>t at link</u>

Figure 4.14. Connected with ACCC site.

In case that the account is already linked to any third-party system, the overview of it will show (See Figure 4.15)

AC Cloud Control - Connected	ith settings 🚦 🛧 🏥 🖋 🗘 2	L
	general devices users about	
	WORKS WITH INTESISHOME	
Personal	Intesis AC Cloud Control allows a secure interaction of external applications with your Intesis AC Cloud Control device. You can use external application strengths along with our system to improve your comfort and energy saving levels. Find more information at link	
Password	ACTIVE CLIENTS	
Language		
Advanced	GOOGLE	
Notifications	Control your air conditioner By linking your account you are giving Google permission to control your devices.	
Connected with IH	Execute a scene and enable/disable a timer By linking your account you are giving Google permission to control your scenes.	
	Revoke	







 To update the information of it, click on Update (See <u>Figure 4.15</u>). A pop-up window will be shown with the functions and devices of the account, selected or unselected those (See <u>Figure 4.16</u>). Click on Update.

Select device(s):			
DK-AC			
PA-RC2			
DK-RC			
IR 2G			
DK-RC			-
MH-RC			
TO-RC			
MH-RC			
IS_IR			
6-11(-)-			
Select scene(s):			
HotWheels			
GoodNight			

Figure 4.16. Update Third Party.

• To revoke the external connection, click on **Revoke** (See Figure 4.15). A pop-up window will be shown asking to confirm the action (See Figure 4.17). Click on **Delete**.

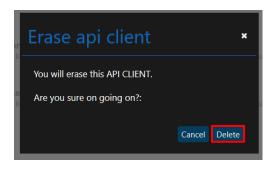


Figure 4.17. Erase Third Party.

#### 4.2 Devices

Device registration process and the configuration of the AC Cloud Control can be seen and modified, click on **Devices** (See Figure 4.18).

#### 4.2.1 Facilities

 To add a facility, click on Add facility (See Figure 4.18). Type the information of it and set the accurate Time zone for the location of the AC Cloud Control device. in the pop-up. The time zone of the facility will be used to create Scenes and Calendar. (See Figure 4.19). Click on Save.



AC Cloud Control - Devices se	ttings			5	*	۶	٥	1
	general	devices users	about					
Add facility	FACILITY							
BCN + T	Name	BCN						
Zone	Time zone	Madrid (GMT+01:00) ~						
Intesis	Country	Spain v						
Intesis 2	ZIP code							
	Address							
🗖 IGU 🛛 🕇 🖥								
Zone	Save							
Intesis IR								



New facility		×
Name	BCN	
Time zone	Madrid (GMT+01:00)	·
Country	Spain	·
ZIP code	08000	
Address		
		l
Cancel Save		

Figure 4.19. Add facility.

- To edit a facility, click on the facility wanted. Then, change the information wanted and click on **Save** (See Figure 4.18).
- To delete a facility, click on bin icon of the facility wanted (See Figure 4.18). In case the facility is empty without any zone and/or devices on it a pop-up window will be shown asking to confirm the procedure (See Figure 4.20). Click on **Delete**.

Erase facility *	
You will erase the facility. Name: IGU	
Are you sure on going on?	
Cancel Continue	

Figure 4.20. Erase Facility.

Otherwise, a pop-up window will be shown telling that is not possible remove the facility (See <u>Figure 4.21</u>). Make sure to remove devices and zones of it before erase the facility.

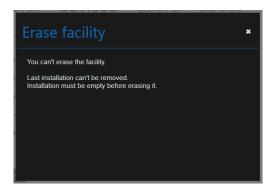


Figure 4.21. Error deleting Facility.

#### 4.2.2 Zones

• To add a Zone, click on **Add zone** (See <u>Figure 4.22</u>). type the name of the zone in the pop-up window (See <u>Figure 4.23</u>). Click on **Save**.

AC Cloud Control - Devices se	ettings				8	*	m	۶	٥	+
	general	devices	users	about						
Add facility	FACILITY									
BCN +	Name	BCN								
🗖 Zone 🛛 🕇 🖉 🖥	Time zone Country	Madrid (GMT+ Spain	01:00) ~							
Intesis	ZIP code		_							
Intesis 2	Address									
🖬 IGU 🛛 🕂 📋										
Zone	Save									
Intesis IR										

Figure 4.22. Zone site.

Add zone	×
Name of the zone	
	Cancel Save
	Cancel Save

Figure 4.23. Add Zone.

 To edit a zone, click on the zone wanted. Then, click on the pencil icon (See <u>Figure 4.22</u>). Type the new name of the zone in the pop-up window (See <u>Figure 4.24</u>). Click on **Save**.

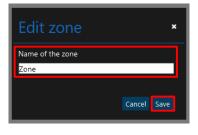


Figure 4.24. Edit Zone.

• To delete a zone, click on the bin icon of the zone wanted (See Figure 4.22). Then, if the facility is empty without any devices on it, a pop-up window will be shown (See Figure 4.25). Click on **Delete**.

Figure 4.25. Erase zone.

Otherwise, a pop-up window will be shown asking what to do with the devices (Move those to another Zone or delete all of them) (See Figure 4.26). Click **Continue**.

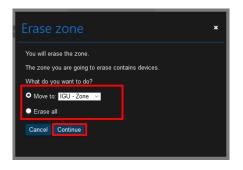


Figure 4.26. What to do before erase zone.



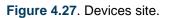
#### 4.2.3 AC Cloud Control Device

AC Cloud Control device registration process must be done after the user registration. Further information can be found in <u>Section 3.1</u> and the device configuration (<u>Device Configuration</u>).

*Important:* Make sure to have the AC Cloud Control Quick Start Guide and the registration code to proceed correctly with the registration process. Also, it can be found in the front cover of the manual or on the silver label on the back of AC Cloud Control.

- There are 2 ways to add an AC Cloud Control Device:
- 1. Click on **add device** (See Figure 4.27).
- 2. The device register process can be done through a pop-up window which will be shown after login if any device is registered into the account as a reminder with a **link** to do that (See Figure 4.28).

AC Cloud Control - Devices set	ttings				8	*	İ	۶	٥	*
	general	devices	users	about						
Add facility	FACILITY									
BCN +	Name	BCN								
🗖 Zone 🕇 🖉 📋	Time zone	Madrid (GMT+	01:00) ~							
Intesis Add device	ZIP code	Spain	~							
Intesis 2	Address									
■ IGU <b>+</b> 🖥	1 44 666									
Zone	Save									
Intesis IR										



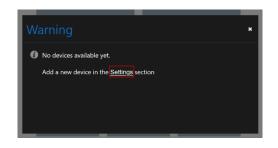


Figure 4.28 Add device pop-up window.

Type the 25 characters code to link the AC Cloud Control device to the account in the popup window (See <u>Figure 4.29</u>). The code can be found in the silver label placed in the back of the device or in the cover of the manual.



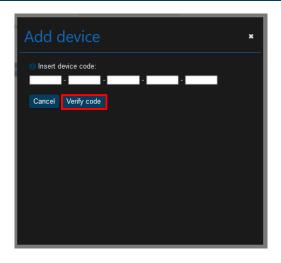


Figure 4.29 Type 25 characters of AC Cloud Control device.

If the code or procedure has any mistake, one of the following errors will be shown in a popup window.

"Device not connected yet. Please visit our support site at <u>https://www.intesis.com/support/ac-cloud-control-faq/</u>"
 AC Cloud Control device needs to be connected to the Internet at least once before registering it to an account. In case it hadn't been connected yet, a pop-up window will be shown (See Figure 4.30).



Figure 4.30 Device not connected.

- "Code number does not belong to any device." If the code registration is not typed correctly, a pop-up window will be shown. Double check the code and type the correct one (See Figure 4.31).



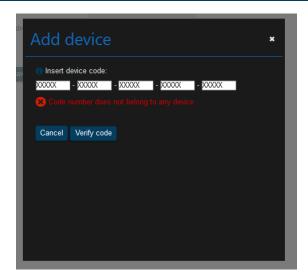
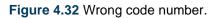


Figure 4.31 Code number does not belong to any device.

#### - "Wrong code number."

If in the code registration is typed a wrong character or less than 5 characters are entered, a pop-up window will be shown. Double check the code and type the correct one (See Figure 4.32).

Add device *	×	Add device *
Insert device code:  nsert device code: Insert device cod		<ul> <li>Insert device code:</li> <li>x0000x - x0000x - x000x - x00x</li> <li>Wrong code number.</li> <li>Cancel Verify code</li> </ul>



#### - "Code number already assigned."

If the AC Cloud Control device is already added to an account, a pop-up window will be shown (See <u>Figure 4.33</u>). Contact the previous user of the device and ask to remove it from his/her account in order to add it into the account wanted. In case the previous user can't be located, contact <u>https://mysupport.hms.se</u>.



Add device	×
Insert device code:	
0000X - 0000X - 0000X - 0000X - 0000X	
S Code number already activated.	
Cancel Verify code	

Figure 4.33 Code number already assigned.".

If the code is correct, a pop-up window will be shown. Then, type a name for the device and if the user wants, click on the check box to allow all to control the device control to (See Figure 4.34) Further details about secondary users can be found in <u>Section 4.3</u>. Click on **Add**.

4	Add device	×
CI.	Device code	
16	Device information	
Э	Name	
n	Remote type RCF_1	
C re	Allow device control to all secondary users of this account	
l	Cancel Add	
v		
L		

Figure 4.34 Add new device.

• To edit an AC Cloud Control device, click on the device wanted. Then, the user will be able to change the name, subfamily and model of the AC Cloud Control (See Figure 4.35). Click on **Save** 





AC Cloud Control - Devices s	settings	8	*	æ	٥	+
	general <b>devices</b> users about					
Add facility  B BCN +  Cone Zone Intesis	DEVICE MAC XXXXXXXXX Device type TO.RC Name Intesis 2 Sutfamily TO.RC • Model TO.RC •					
Intesis 2 T	ADVANCED CONFIGURATION					
	Control LED  Cont					
	Min         Max           Heat         19 °C (66°F         -         2.3 °C (73°F         -           Min         Max         -         -         2.8 °C (82°F         -           Cool         24 °C (75°F         -         2.8 °C (82°F         -					

Figure 4.35 Edit device.

• To delete a device, click on the bin icon of the device wanted (See Figure 4.35). A pop-up window will be shown asking to confirm the procedure (See Figure 4.36). Click on **Delete**.

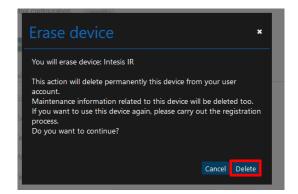


Figure 4.36 Delete device.

#### 4.2.4 Specific brands

The changes will be applied automatically in advanced configuration (See Figure 4.37).





AC Cloud Control - Devices settings							æ	٥	+
	general de	evices	users	about					
Add facility	DEVICE								
🖬 BCN 🕂 📋		0.000000000							
Zone		TO-RC							
Intesis		TO-RC							
Intesis 2	Model	TO-RC							
■ IGU +1	Save				_				
Zone	ADVANCED CONFIGUR								
Intesis IR	Internal LED     External LED	OFF							
	<ul> <li>() External LED</li> <li>() Temperature offset</li> </ul>	0 °C   0°F ~							
	Working hours	0 Res	ot						
	Remote controller lock	OFF							
	Temperature limitation	ON							
		Min Heat 19 °C   66°F	Max 23 °C   73°F ~						
		Min	Max						
		Cool 24 °C   75°F	~ 28 °C   82°F ~						

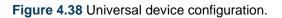
Figure 4.37 Specific brands device advance configuration.

- Internal LED: the internal LED can be turned off/on
- External LED: the external LED can be turned off/on
- **Temperature offset:** the offset of the temperature sensor can be configured in a range of 5 degrees to -5 degrees
- Working hours: the working hour of AC Cloud Control device can be reestablished.
- **Remote Controller lock:** the remote control can be lock in order to use only the application to control the climate system.
- **Temperature limitation:** The maximum or minimum of heat or cool to set the climate system can be configured.

#### 4.2.5 Universal

To configure the remote control of your climatize system, click on **manual mode** (See <u>Figure 4.38</u>), the configuration page will change (See <u>Figure 4.39</u>).

AC Cloud Control - Devices s	sttings	-	*	۶	٥	*
Add facility	Second devices users about         DEVICE         Main         Main         Notes type         Notes type         Outwork type         Outwor					







Add facility  BCN +  Zone  Intesis  Intesis 2  Zone  Zone	DEVICE AMAC A CONTRACT CTIANA CONTRACTACTIANA CONTRACTIANA CONTRACTIANA CONTRACTIANA CONTRACTIANA CONTRACTIANA CONTRACTIANA CONTRACT	evices users about
BCN     Cone     Intesis     Intesis     Intesis     Zone     Zone     Zone     Zone	MAC 30 Device type 85 Name 11 Subfamily P Model C	S-RAWFI Intelas IR Panasonic CS-AE ** -
■ Zone		
Intesis IR	Save ADVANCED CONFIGUR External LED External LED Intensity Temperature offset	RATION
	Working hours     Temperature limitation	8 Reset CO Min Max Heat 1970 - 2370 - Min Max Co 2470 -

Figure 4.39 Universal device manual configuration.

Subfamily and model can be chosen (See <u>Figure 4.39</u>). Also, the control configuration can be selected from this site by Clicking on **modify**. (See <u>Figure 4.38</u>). A pop-up window will be shown to configure mode, fan speed, left/right vanes, up/down vanes and airflow functions.



*Note:* In some Climate System Unit the following functions are not available.

Click on Mode: Functions cool, heat, auto, dry, fan can be enabled or disabled (See Figure 4.40). Click on Save.

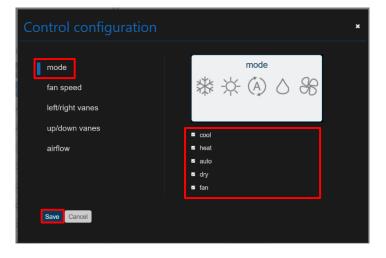


Figure 4.40 Mode configuration.

- Click on fan speed: Auto fan can be enabled or disabled, and the available positions can be settled as well (See <u>Figure 4.41</u>). Click on **Save**.



Control configuration	×
mode fan speed left/right vanes up/down vanes airflow	fan speed
Save Cancel	

Figure 4.41 Fan speed configuration.

- Click on left/right vanes: Auto, swing and wide function of Left/Right vanes can be enabled or disabled, and the available positions can be settled as well (See Figure 4.42). Click on **Save**.

Control configuration	×
mode fan speed left/right vanes	left/right vanes
up/down vanes airflow	<ul> <li>auto</li> <li>swing</li> <li>wide</li> <li>Available positions 7 </li> </ul>
Save	

Figure 4.42 Left/Right vanes configuration.

- Click on up/down vanes: Auto and swing function of Up/Down vanes can be enabled or disabled, and the available positions can be settled as well (See Figure 4.43). Click on **Save**.





Control configuration	×
mode	up/down vanes
fan speed	
left/right vanes	
up/down vanes	■ auto
airflow	swing Available positions 7
Save	

Figure 4.43 Up7down vanes configuration.

- Click on fan airflow: Functions Up/Down vanes and Left/Right vanes can be enabled or disabled (See Figure 4.44). Click on **Save**.

Control configuration	×	
mode fan speed left/right vanes	airflow	
up/down vanes	<ul> <li>up/down vanes</li> <li>left/right vanes</li> </ul>	
Save Cancel		

Figure 4.44 Airflow configuration.

Once the configuration is complete Click on **Save** (See Figure 4.39).

The changes will be applied automatically in advanced configuration (See Figure 4.45).





AC Cloud Control - Devices set	tings	8	*	۶	٥	*
	general <b>devices</b> users about					
Add facility  Add facility  Some Thesis Intesis 2  Guide the fill	DEVICE MAC XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
Intesis IR						

Figure 4.45 Devices advanced configuration.

- Internal LED: the internal LED can be turned off/on
- External LED: the external LED can be turned off/on
- **Temperature offset:** the offset of the temperature sensor can be configured in a range of 5 degrees to -5 degrees
- Working hours: the working hour of AC Cloud Control device can be reestablished.
- **Remote Controller lock:** the remote control can be lock in order to use just the application to control the climate system.
- **Temperature limitation:** The maximum or minimum of heat or cool to set the climate system can be configured.
- **Binary input:** In here the binary input can be configured by selecting the entrance wanted and setting it. Further information can be found in <u>binary input manual</u>.

#### 4.3 Users

Secondary user and lite users accounts can be created in order to assign permissions on different devices to be able and have control over those without disclosing the owner password.

#### 4.3.1 List

#### Click on Users, List.

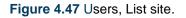
Overview of the list of the second and lite users which are linked to the account will be shown (See <u>Figure 4.46</u>). Unless, the account has not linked any secondary and/or lite user (See <u>Figure 4.47</u>).





	0				Add user Add lite user Export
List	Username	Name	E-mail address	Active	Actions
Permissions	Intesis	Intesis	xxxxxx@xxxx.xxx	Pending	Edit Delete
	IntesisACCC	ACCC	xxxxxx@xxxx.xxx	×	Edit Delete
	xxxxxx230ee_i13404	-	-	×	Change password Delete
	xxxxxx9294e_i13404	-	-	-	Change password Delete
	xxxxxxxc63b8_i13404	-	-	-	Change password Delete
	xxxxxxxxed648_i13404	-		~	Change password Delete

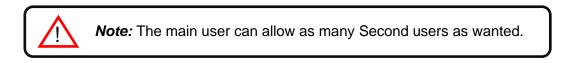
AC Cloud Control - Users list settings							æ	٥	1
	general	devices	users	about					
List Permissions	No secondary use     Add user Add lite	ers registered. Click on <mark>A</mark> e user	dd user.						



- The users can be activated or deactivated by marking or not the check box.
- Click on **Export** (See Figure 4.46). An Excel document will be generated with the information of the user names and passwords of users. If there it is a secondary user, the password column will be filed with <<not available>>.

#### 4.3.1.1 Secondary user

To create a Second user an e-mail address is needed, fill the form (See <u>Figure 4.48</u>). Then, the secondary user will be able to set a password and will be able to control the devices allowed and Scenes.



- There are 2 ways to add a secondary user:
- 1. Click on Add user (See Figure 4.46)
- 2. Click on the **link** or **add user** (See Figure 4.47).

Fill the form with proper personal data in the pop-up window, the fields which are marked with \* are mandatory (See Figure 4.48). Click on **Add user**.





Add user					×
Username		*	Phone		
First Name		*	Mobile		
Last name		*	Language	English v *	
Email address		*	Address		*
Confirm email		*	ZIP code		*
Birthdate	~ ~ ~		City		*
Gender	~		Country	Spain ~	*
			Time zone	International Date Line West (G -	*
Add user Cancel					

Figure 4.48 Add secondary user.

A validation e-mail will be sent to the e-mail account of the secondary user entered, follow the instructions (See <u>Figure 4.49</u>). Click on **Continue**.

Add user	×
The secondary user account has already been created.	
You will receive an e-mail soon to the specified e-mail address.	
The account will not be active until you validate it following instructions in the e-mail.	
If the e-mail is not in the inbox folder, please check the "spam" or "junk" folder.	

Figure 4.49 Confirmation add secondary users.

**Note:** If no e-mail notification is received, please make sure that you entered correctly your e-mail address and/or check that the e-mail notification is not in the **Junk** or **Trash** folder of the e-mail account.

If the user does not validate the e-mail sent in the active column it will be shown as pending (See Figure 4.46).

- To edit the information of a second user, click on **edit** (See Figure 4.46). Type the new information in the pop-up window (See Figure 4.50). Click on **Save**.

Ţ

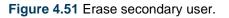


	Username	Intesis		
	First Name	Intesis	*	
	Last name	ACCC	*	
	Time zone	International Date Line West (G	*	
2	Email address	xxxxxxx@xxxxxx		
	Address	XXXXXX	*	
	City	Barcelona	*	
	Country	Spain ~	*	
	ZIP code	08000	*	
	Gender	v		
	Birthdate	~ ~ ~ iiii		
	Phone			
	Mobile			

Figure 4.50 Edit secondary user.

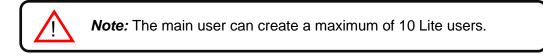
- To remove a second users account, click on **Delete** (See Figure 4.46). then, a pop-up window will be shown asking to confirm the procedure (See Figure 4.51). Click on **Delete**.

	Erase user	×
60   60	You will erase the user: IntesisACCC	
3		Cancel Delete



#### 4.3.1.2 Lite user

To create a Lite user an e-mail address is not neede an e-mail address, the main user will be set a password. Then the lite user will be able to control the devices allowed and Scenes.



- There are 2 ways to add a lite user:
- 1. Click on Add lite user (See Figure 4.46).
- 2. Click on the link or add lite user (See Figure 4.47).



In pop-up window select the number of new lite users wanted to create, type the name (See <u>Figure 4.52</u>). Click on **Confirm**.

×
h
7



- To change the password of the lite users, click on **change password** (See <u>Figure 4.46</u>). Enter the new password (See <u>Figure 4.53</u>). Click on **Confirm**.

(	Change password *							
	You will change the password for the following user: xxxxxx9294e_i13404							
	New password							
	Cancel Confirm							

Figure 4.53 Change lite user password.

- To remove a second users account, click on **Delete** (See Figure 4.46). Then, a pop-up window will be shown asking to confirm the procedure (See Figure 4.54). Click on **Delete**.

Erase user		×
You will erase the user: xxxxxxxc63b8_i13404		
	Cancel	Delete





#### 4.3.2 Permissions

Click on Users, Permissions (See Figure 4.55).

Permissions to secondary and/or lite users can be granted to control any device linked to the account (See Figure 4.55). Unless, the users have not been created yet (See Figure 4.56)

To give permissions to control the devices from other users, mark the check box of a specific devices, zone or facility (See Figure 4.55). Click on **Save**.

AC Cloud Control - Users pe	rms settings			5	*	m	۶	٥	1
	general d	evices	users	about					
		<b>•</b> E	BCN	■ IGU					
List		-	Zone	■ Zone					
Permissions		Intesis	Intesis 2	Intesis IR					
	cxxxxxxc63b8_i13404		~	~					
	⊻ xxxxxx230ee_i13404	~	~	✓					
	xxxxxxed648_i13404			~					
	□ IntesisACCC			~					
				Save					

Figure 4.55 Permissions overview site.

Click on the link, it will go to List page to create the users (See Figure 4.56).

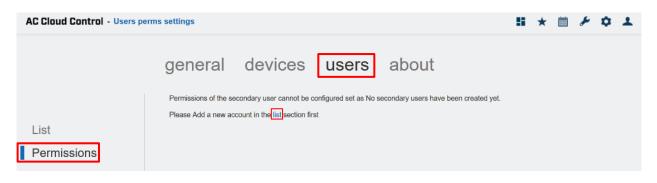


Figure 4.56 Permissions site.



# 4.4 About

Information regarding to AC Cloud Control system can be seen.

# Click on About (See Figure 4.57).

AC Cloud Control - About	8	*	m	۶	٥	1
general devices users about						
About us: Intesis AC Cloud Control						
Intesis AC Cloud Control ⊗ is the perfect IoT solution for professional AC management. It has been developed along with the mayor AC manufacturers and offers the possibility to control almost any domestic, commercial or VRF AC unit in the market from a generic dashboard.						
All the brands of the different applications of <b>Intesis AC Cloud Control</b> (web, apps, software, documentation,), are trademarks, registered trademarks or trade names of their respective owners.						
For any suggestion or sales, please refer to.						
https://www.intesis.com/contact						
To register a support case online, please use our technical services portal.						
https://www.intesis.com/support/contact						
Legal links: • Privacy policy • Cookies policy • Terms and Conditions						
Design and specifications subject to change without prior notice. Copyright 8 2020 HMS industrial Networks 8 L.U Al rightn reserved. Intests AC Cloud Control is a product designed and manufactured in Barcelona (Spain) by HMS industrial Networks 8 L.U.						

Figure 4.57 About AC Cloud Control site.





# 5. Control

In the control dashboard the user will have access to all devices and the corresponding widgets.

There are 2 ways to access to control site (See Figure 5.1).

- 1. Click on **Control** button of the AC Cloud Control home page.
- 2. Clicking the **Control** icon of the quick access menu placed in the top right side.

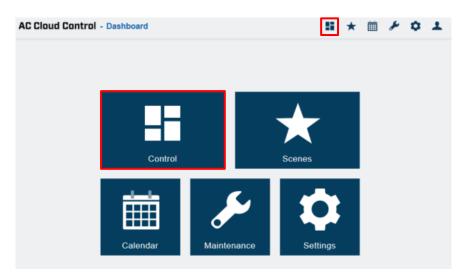


Figure 5.1 Access to Control from the AC Cloud Control home.

In the left on top of the control site, the user will be able to change the viewer (by default it comes "All devices-extended"). Devices linked to the account will be shown listed. In addition, in the right side, the widgets available to control the devices will be shown (See Figure 5.2).

	AC Cloud Control - Control		5 * 🗎 🗲 🗘 🕹
Viewer configuration		Intesis IR	
	<ul> <li>⑦ Intesis IR</li> <li>⑦ 25.5℃ ↓ 24.0℃</li> </ul>	general	ambient temperature 25.5°C
	() Intesis ☆ ① 250°C ↓250°C	off setpoint temperature	mode
	() Intesis 2 () () () 25.5°C ↓21.0°C	- 24.0 °C +	★ ☆ (A) △ SS ∞∞
		fan speed	extremes protection 🔅

Figure 5.2 Viewer "All devices-extended".

Using the viewer "Facilities, Zones and Devices" the Facilities, Zones and Devices configurated are shown in three columns (See <u>Figure 5.3</u>).Click on the device wanted, the widgets to control the Air Conditioner will be shown in a pop-up window (See <u>Figure 5.4</u>).



	AC Cloud Control - Control		11 * 🗎 F 🌣 🕹
Viewer configuration Facilities Zo		Zones	Devices
	BCN	Zone	⊕ Intesis ⓒ 豫 ① 26.0°C ぱ24.0°C
			() Intesis 2 (A) (Ω) 26.0°C ↓22.0°C

Figure 5.3 Viewer "Facilities, zones and devices".

Device		×
general	ambient temperature	setpoint temperature
U off	26.5°C	- 21.0 °C +
mode	fan speed	extremes protection
₩ ☆ A) 6 88 auto	manual (A)	off
binary input	maintenance 🔅	filter cleaning
U <u>I</u>		
paused   presence	disabled	disabled

Figure 5.4 Widgets available in the device.

Using the viewer "All devices-compact" the user will see all devices linked to the account (See <u>Figure 5.5</u>). Click on the device wanted, the widgets to control the Air Conditioner will be shown in a pop-up window (See <u>Figure 5.4</u>).

	AC Cloud Control - Control		11 ×	m	*	٥	1
Viewer configuration	Views III III III Devices						
	① Intesis IR 登 ① 28.5℃ ↓21.0℃	් intesis 🔅 🛈 සහස ්සහස	() Intesis 2 () () sec frace				

Figure 5.5 Viewer "All devices-compact".

In the square of the device, are shown some icons, which are the summary of its status or possible status (See Figure 5.6).



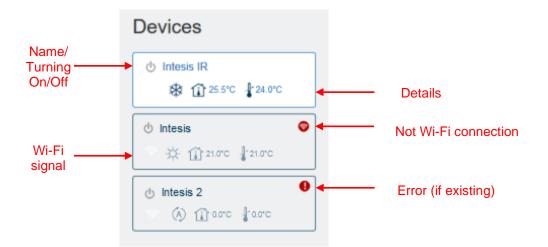
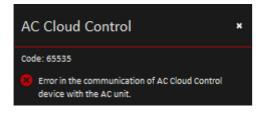
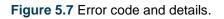


Figure 5.6 Status summary of devices.

In case the device is not working properly, a warning signal **•** will appear next to the device name. Click on the signal to have details of it (See <u>Figure 5.7</u>).





In case the Wi-Fi signal appear in red, it means that the device doesn't have connectivity with the system (See <u>Figure 5.8</u>). It can be caused by a Wi-Fi problem or that the device is not powered up. Check the FAQ section in our website (<u>https://www.intesis.com/support/ac-cloud-control-faq/</u>) for further information.



Figure 5.8 Device without connectivity.

# 5.1 General

Clicking on general widget, the Air Conditioner will be turned on or turned off (See Figure 5.9).



Figure 5.9 General widget.

### 5.2 Ambient temperature

This widget shows the temperature in the room (that temperature must be taken as an estimate) (See Figure 5.10)



Figure 5.10 Ambient temperature widget.

#### 5.3 Setpoint temperature

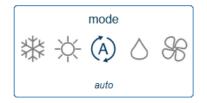
Clicking on Setpoint temperature widget, the temperature wanted in the Air Conditioner can be settled (See Figure 5.11)



Figure 5.11 Setpoint temperature widget.

#### 5.4 Mode

Clicking on mode widget, the Air Conditioner is going to be working in a mode wanted (cooling, heating, auto, dry and fan) (See <u>Figure 5.12</u>)





 $\textcircled{\mbox{\footnotesize O}}$  HMS Industrial Networks S.L.U - All rights reserved This information is subject to change without notice

#### 5.5 Fan speed

Clicking on Fan speed widget, the speed of the fan of Air Conditioner can be changed as wanted or can be settled as Auto (See Figure 5.13).



Figure 5.13 Fan speed widget.

#### 5.6 Airflow

This widget sets the vanes, also the positions of those as well (See Figure 5.14).

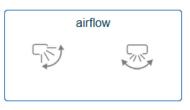


Figure 5.14 Airflow widget.

#### 5.7 Maintenance

Maintenance widget comes by default as disable. It can be enabled and settled by clicking in the gearwheel (See Figure 5.15).



Figure 5.15 Maintenance widget.

Period of maintenance in hours can be settled to remember when it must be done, and the rest period can be enabled as well (See <u>Figure 5.16</u>). Click on Save.

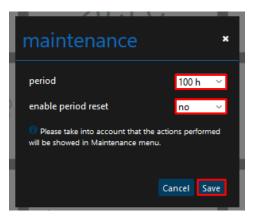


Figure 5.16 Configuration maintenance widget.

#### 5.8 Filter Cleaning

Filter cleaning widget comes by default as disable. It can be enabled and settled by clicking in the gearwheel (See Figure 5.17).

	filter cleaning	₽
0%		
	300 hours	

Figure 5.17 Filter Cleaning widget.

Period of the filter cleaning in hours can be settled to remember when it must be done, and the rest period can be enabled as well (See Figure 5.18). Click on Save.

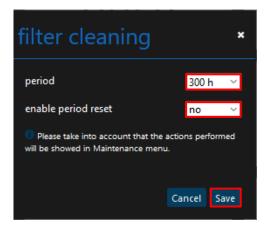


Figure 5.18 Configuration Filter Cleaning widget.



*Note:* The following functions are going to be available if the Climate System Unit has those. Double check if Climate System Unit has those.

#### 5.9 Heat 8/10

This functionality let work the Air Conditioner unit in the range of 8 to 10 degrees. Once is turned on; the unit is going to be working on that range (See <u>Figure 5.19</u>). If the temperature wanted is above than the range 8/10 this widget must be off to continue working with General widget (See <u>Figure 5.9</u>).



Figure 5.19 Heat 8/10 widget.

#### 5.10 Outdoor temperature

Outdoor temperature widget will show the outside temperature (that temperature must be taken as an estimate) (See Figure 5.20)



Figure 5.20 Outdoor temperature widget.

#### 5.11 Up/down vanes

Up/down vanes widget can be settled, also the positions of those or can be configurated in Auto as well (See Figure 5.21).



Figure 5.21 Up/down vanes widget.

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#### 5.12 Left/right vanes

Left/right vanes widget can be settled, also the positions of those, can be configurated in Auto as well (See Figure 5.22).



Figure 5.22 Left/right vanes widget.

#### 5.13 Instant power consumption

Instant power consumption widget shows the instant power consumption of Climate System (See Figure 5.23).



Figure 5.23 Instant power consumption widget.

#### 5.14 Total energy consumption

Total energy consumption widget shows the total energy consumption of Climate System (See Figure 5.24).



Figure 5.24 Total Energy consumption widget.

*Note:* The functions of Extremes protections and Binary input will be available just for the Universal AC Cloud Control device.

#### 5.15 Extremes protection

Clicking on extremes protection widget, it will be turned on or turned off (by default as turned off) (See <u>Figure 5.25</u>).

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Figure 5.25 Extremes protections widget.

Click in the gearwheel to set the Cool and heat protection (See Figure 5.26). Click on Save

- Active: ACCC the function cool or heat protection can be activated or deactivated.
- Protection temperature: the temperature maximum or minimum can be settled in order to do not let it drop or rise over or below to the temperature wanted.
- Hysteresis temperature: the tolerance in degrees can be configured from 1 to 4 degrees.

extremes prote	ectior	ר א
status		Off
cool protection		
active	yes	~
protection temperature	16 °(	C ~
hysteresis temperature	2°C	$\sim$
heat protection		
active	yes	$\sim$
protection temperature	33 °(	c ~
hysteresis temperature	2ºC	~
	Cancel	Save

Figure 5.26 Extremes protections widget.

# 5.16 Binary input

Clicking on binary input widget the function will be turned on or turned off (See Figure 5.27).

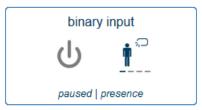


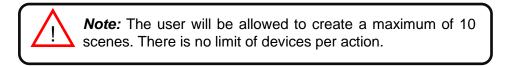
Figure 5.27 Binary input widget.

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# 6. Scenes

A scene is a predefined way to interact with more than one device, at the same time from a single point. Frequently used sets of commands can be saved in a scene to facilitate the control of the A/C unit. The scenes can be executed on demand by clicking the scene widget.



There are 2 ways to access to scene site (See Figure 6.1).

- 1. Click on Scenes button of the AC Cloud Control home page
- 2. Clicking the **Scenes** icon of the quick access menu placed in the top right side.

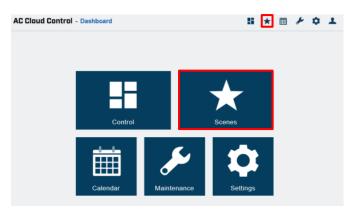


Figure 6.1 Access to Scenes from the AC Cloud Control home.

• To add a new Scene, click Add scene (See Figure 6.2).



Figure 6.2 Scene site.





loud Control - Scene Edit		11 * 11 F \$ 1
Return to scenes		
SCENE	DEVICES	INTESIS IR
Name New scene edt name Temporize	BCN Zone Intexis Intexis Intexis Intexis Zone Zone Intexis II Int	general U off setpoint temperature - 22.0 °C +
		mode

Figure 6.3 Scene configuration site.

There are two ways to configure a Scene by devices or by zones.

1. By devices: click on the device wanted (See <u>Figure 6.3</u>). Then, select in the widgets section the values desired. Beside each device is a counter with the number of commands settled (See <u>Figure 6.4</u>). Click on **Return to Scenes** 

oud Control - Scene Edit		s ★ m ⊁ ¢ .
Return to scenes		
SCENE	DEVICES	INTESIS IR
Name ACCC nigh edit name Temporize	<ul> <li>⇒ BCN</li> <li>Zone</li> <li>Intesis 2</li> <li>⇒ KGU</li> <li>Zone</li> <li>NGU</li> </ul>	general ↓ or setpoint temperature - 22.0 °C + mode * ☆ ふ △ ↔

Figure 6.4 Scene configuration by Device.

2. By zone: click on the zone wanted (See <u>Figure 6.3</u>). In the pop-up window select a function in the dropdown menu and click on **send** (See <u>Figure 6.5</u>). Click on **Close**.

Beside each device is a counter with the number of commands settled displayed (See Figure 6.6). Click on **Return to Scenes** 



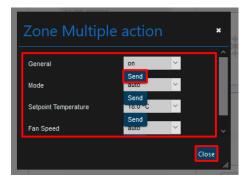
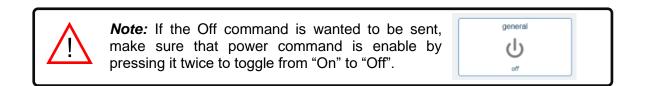


Figure 6.5 Scene commands configuration by Zone.

oud Control - Scene Edit		11 ★ 首 ≯ な
Return to scenes  SCENE	DEVICES	INTESIS
Name ACCC nigth edit name	BCN Zone	general
Temporize OFF		<u>ه</u>
		e setpoint temperature
	⊡ IGU Zone	- 18.0 °C +
	Intesis IR	
		mode
		*☆ (▲) △ 88
		auto

Figure 6.6 Scene configuration by Zone.



Commands are stored directly in the scene after the arrow **Return to Scenes** is clicked (See Figure 6.3).

• To edit a Scene, click on the gearwheel (See <u>Figure 6.2</u>). It will go to scene configuration, the commands can be edited and the name of it. Click on **edit name** (See <u>Figure 6.3</u>).

Type the name of the scene in the pop-up window (See Figure 6.7). Click on Save.

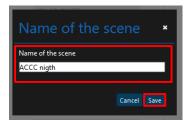
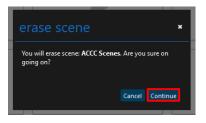


Figure 6.7 Edit name of the Scene.





• To delete a Scene, click on the bin icon (See <u>Figure 6.2</u>). Then, a pop-up window will be shown asking to confirm the procedure (See <u>Figure 6.8</u>). Click on **Continue**.



#### Figure 6.8 Delete Scene.

#### 6.1 Temporize

A timer is a Scenes functionality to execute a scene automatically at the desired time, by default it comes **"OFF"**. The temporizer can be created in a new add or an existing scene.

To create a temporizer, slide the Temporize selector to "ON", select the time wanted (See <u>Figure 6.9</u>). In addition, if this scene wants to be repeated slide the Repeat selector to "ON".

AC Cloud Control - Scene Edit		5 * 🗎 F ¢ 1
Return to scenes		
SCENE	DEVICES	INTESIS
Name ACCC weekends	- BCN	general
edit name	Zone	da
Time 12 V 00 V	Intesis 3	
Repeat ON	Intesis 2	setpoint temperature
Active ON	i igu	
	Zone	- 18.0 °C +
	Intesis IR	
		mode
		*☆ (2) △ 88

Figure 6.9 Scene configuration site temporize function.

- **Temporize**: In case that Temporize, function is enable, Time and Repeat fields are going to become available to be configured. (See Figure 6.9)
- **Time**: Select the time (hours and minutes) wanted to execute the scene.
- **Repeat:** If repeat is settled ON and the temporize is settled ON as well, the scene will be repeated on the preset time. If repeat is settled OFF the scene will be executed just once in a pre-set time (See Figure 6.9).
- Active: If Active is settled ON the temporize function will be active.

There are 2 ways to activate the scene's temporize function.

1. Slide the **Active** selector to "ON" in a scene configuration site (See Figure 6.9).



2. Tap on 0 icon to enable/disable the Temporize function of the scene in the Scenes main page (See Figure 6.10).

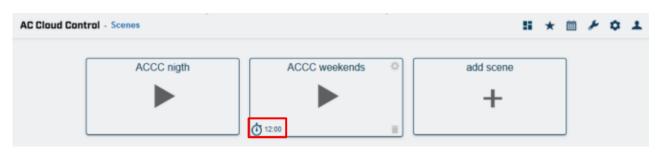


Figure 6.10 View Temporize.



# 7. Calendar

Calendar function is made to program commands to be sent to the A/C unit in different moments during the preset day(s).

*Note:* The Calendar scheme is stored and executed by the AC Cloud Control device (not in the Cloud).

The Calendar scheme is sent to the AC Cloud Control device and stored in its memory. AC Cloud Control device sends the actions on the scheduled time, even when there is a possible disconnection from the Wi-Fi, Internet or AC Cloud-Cloud.

The AC Cloud Control device can hold the scheduled calendar for weeks and upon reconnection with the AC Cloud-Cloud. The AC Cloud Control device updates the last changes made into its memory. This way, it contributes to **energy savings**.

There are 2 ways to access to calendar site (See Figure 7.1).

- 1. Click on **Calendar** button of the AC Cloud Control home page.
- 2. Clicking the **Calendar** icon of the quick access menu placed in the top right side.

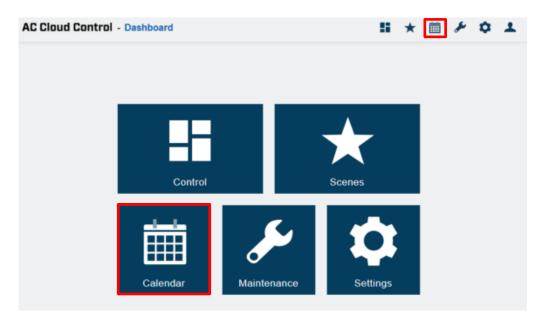


Figure 7.1 Access to Calendar from the AC Cloud Control home.

# 7.1 Pattern

Patterns are used to define several actions during a day and up to 10 different patterns in the Calendar are allowed.





**Note:** If different paterns are created in the calendar, all of those shall be will executed. In case that the patterns overlap, the patterns which are located above will have priority and will be executed over the patterns which are located below.

• To add a new Pattern, click on Add pattern (See Figure 7.2).

AC Cloud Control - Calendar						<b>∷ ★</b> ⊞	F Q 1
Patterns							
Fallenis			<	July 2020	、 、		
ACCC Mon-Thu	Sun	Mon	Tue	Wed	Thu	Fri	Sat
ACCC Mon-Thu ACCC Fri- Sun	28	29 ACCC Mon-Thu	30 ACCC Mon-Thu	ACCC Mon-Thu	2	3	4 ACCC Fri- Sun
ACCC Fri- Sun	ACCC PI- Sun	ACCC Mon-Thu	ACCC Mon-Thu	ACCC Mon-Thu	ACCC Mon-Thu	ACCC FR- SUN	ACCC Fri- Sun
Add pattern							
	5 ACCC Fri- Sun	6 ACCC Mon-Thu	7 ACCC Mon-Thu	8 ACCC Mon-Thu	9 ACCC Mon-Thu	10 ACCC Fri- Sun	11 ACCC Fri- Sun
	ACCC PI- Sun	ACCC Mon-Thu	ACCC Mon-Thu	ACCC Mon-Thu	ACCC Mon-Thu	ACCC FR- Sun	ACCC Fri- Sun
	12 ACCC Fri- Sun	13 ACCC Mon-Thu				17 ACCC Fri- Sun	18 ACCC Fri- Sun
	ACCC PI- Sun	ACCC Mon-Thu	ACCC Mon-Thu	ACCC Mon-Thu	ACCC Mon-Thu	ACCC Pri- Sun	ACCC Pri- Sun
	19 ACCC Fri- Sun			22 ACCC Mon-Thu		24 ACCC Fri- Sun	25 ACCC Fri- Sun
	ACCC PI- Sun	ACCC Mon-Thu	ACCC Mon-Thu	ACCC Mon-Thu	ACCC Mon-Thu	ACCC Pri- Sun	ACCC Pri- Sun
	26 ACCC Fri- Sun	27 ACCC Mon-Thu				31 ACCC Fri- Sun	ACCC Fri- Sun
	ACCC FIL- Sun	ACCC Mon-Thu	Accomin-Thu	Accontion-Thu	ACCC Mon-Thu	ACCO PH- Sun	Acco m-Sun

Figure 7.2 Add Pattern

Type the name of the pattern and select the color in the pop-up window (See Figure 7.3). Click on **Save**.

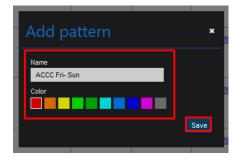
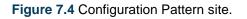


Figure 7.3 Name and color of the Pattern.

AC Cloud Control - Calendar Pattern			- 55	*	m	۶	٥	Ŧ
Return to calendar								
GENERAL	ACTIONS	RULES						
Name ACCC Fri- Sun	Add action	Add rule						
Color								
Edit								







• To edit pattern, click on the gearwheel in the calendar main page (See <u>Figure 7.5</u>). It will go to calendar configuration the actions, rules can be edited, also the name and color of it. Click on **Edit** (See <u>Figure 7.4</u>)

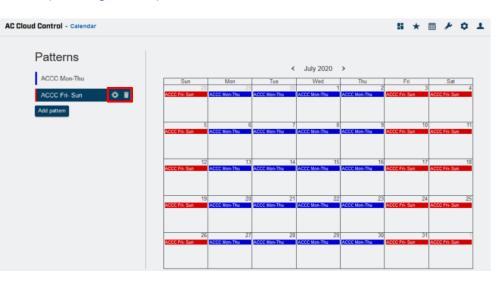


Figure 7.5 Edit or Delete Pattern.

Type the new name of the pattern and choose the new color in the pop-up window (See <u>Figure</u> <u>7.6</u>) Click on **Save**.

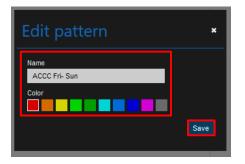


Figure 7.6 Edit name and color of the pattern.

• To delete a pattern, click on the bin (See <u>Figure 7.5</u>), Then, a pop-up window will be shown asking to confirm the procedure (See <u>Figure 7.7</u>). Click on **Delete**.

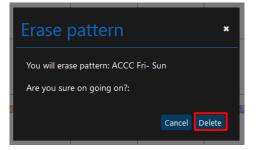


Figure 7.7 Delete Pattern.





# 7.2 Action

Actions are a group of commands in one or more devices to be sent to the climate system on a specific time of the day. In addition, up to 10 different actions in the pattern are allowed

• To create an action, click on **Add action** (See Figure 7.8).

AC Cloud Control - Calendar Pattern		<b>s</b> ★ mi	F 0 1
€ Return to calendar			
GENERAL	ACTIONS	RULES	
Name ACCC Fri- Sun	07:00 ACCC wake up	2020/06/12 - No end	
Color		SUN MON TUE WED THU FRI SAT	
Edit	10:00 Breakfast		
_	Add action		

Figure 7.8 Action site.

Set the time to start the action (See Figure 7.9)

AC Cloud Control - Calendar Pattern Action		II ★ 箇 チ ☆ エ
Return to calendar pattern		
ACTION	DEVICES	INTESIS IR
Name New action edit name	<ul> <li>☐ BCN</li> <li>Zone</li> <li>Intesis</li> <li>Intesis 2</li> <li>☐ IGU</li> <li>Zone</li> <li>Intesis IR</li> </ul>	general U orr setpoint temperature - 22.0 °C +

Figure 7.9 Action configuration site.

There are two ways to configure the commands of the Action by devices or by zones.

 By devices: click on the device wanted (See <u>Figure 7.9</u>). To select the commands first click on the device icon want to be included in the scene and select in the widgets section the values desired. Beside each device is a counter with the number of commands settled (See <u>Figure 7.10</u>). Click on **Return to calendar pattern.**





AC Cloud Co	ontrol - Cale	endar Pattern Action		5 * m * ¢	1
	Return to	calendar pattern			
	ACTION		DEVICES	INTESIS IR	
	Name	Breakfast edt name 10 v 00 v	<ul> <li>BCN</li> <li>Zone</li> <li>Intesis 2</li> <li>IGU</li> <li>Zone</li> <li>Intesis IR</li> </ul>	general on setpoint temperature - 23.0 °C + mode ☆ fan	
				fan speed	

Figure 7.10 Action configuration by Device.

2. By zone: click on the zone wanted (See <u>Figure 7.9</u>). In the pop-up window select a function in the dropdown menu and click on **send** (See <u>Figure 7.11</u>). Click on **Close**.

Beside each device is a counter with the number of commands settled displayed (See <u>Figure 7.12</u>). Click on **Return to calendar pattern** 

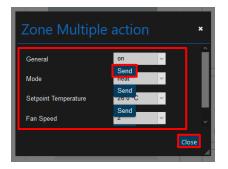


Figure 7.11 Action commands configuration by Zone.

Return to calendar pattern		
ACTION	DEVICES	INTESIS
Name Breakfast edit name Time 10 00 ~	E BCN Zone Intesis Intesis 2	general d on settodet temperature
	E) IGU Zone Intesis IR	- 27.0 °C +
		mode







*Note:* If the Off command is wanted to be sent, make sure that power command is enable by pressing it twice to toggle from "On" to "Off".



Commands are stored directly in the action after the arrow **Return to calendar pattern** is clicked (See Figure 7.9).

 To edit an Action, click on the gearwheel (See <u>Figure 7.8</u>). It will go to actions configuration; the commands, time can be edited and the name of it. Click on **edit name** (See <u>Figure</u> <u>7.9</u>).

Type the name of the action in the pop-up window (See Figure 7.13). Click on **Save**.

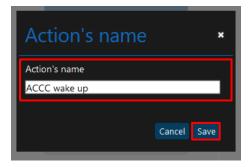


Figure 7.13 Edit name of the Action

• To delete an Action, click on the bin icon (See Figure 7.8). Then, a pop-up window will be shown asking to confirm the procedure (See Figure 7.14). Click on **Delete**.

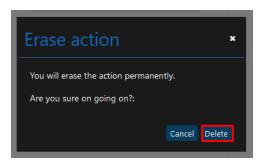


Figure 7.14 Delete Action

# 7.3 Rule

Rules are a group of days which the pattern is going to be executed.

**Note**: If different rules are created for one pattern, those shall add-up and all be will executed. In case that the rules overlap, the rules which are located above will have priority and will be executed over the rules which are located below





• To create a rule, click on Add rule (See Figure 7.15).

AC Cloud Control - Calendar Pattern		5 * 🗎 F \$ 1
Return to calendar		
GENERAL	ACTIONS	RULES
Name ACCC Fri- Sun	07:00 ACCC wake up	2020/06/12 - No end SUN MON TUE WED THU FRI SAT
Color	10:00 Breakfast	2020/06/12 - No end
Edit	Add action	Add rule



There are 3 ways to configurate the rule to execute the pattern

1. 1-DAY: Performs the pattern-actions only once on a preset date selected.

To create a 1-DAY rule click on it, select the day wanted in (See Figure 7.16). Click on Save.

v L	Add rule		×
S	1 DAY INTERVAL NO EN	ID	
ic	from	2020-06-12	Ê
	Cancel Save		

Figure 7.16 1-day rule

2. **INTERVAL:** Performs the pattern-actions repeated on the selected days of the week starting and ending in a preset date

To create an INTERVAL rule, click on it, select the day wanted to start and end. Also, deactivate the days of the week which are not wanted the rule to be applied (See Figure 7.17). Click on **Save**.



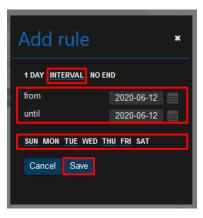


Figure 7.17 Interval rule.

3. **NO-END:** Performs the pattern-actions repeated on the selected days of the week starting in a preset date.

To create a NO END rule, click on It, select the day wanted to start. Also, deactivate the days of the week which are not wanted the rule to be applied (See Figure 7.18). Click on **Save**.

v	Add rule ×	
s	1 DAY INTERVAL NO END	
ic	from 2020-06-12	
L	SUN MON TUE WED THU FRI SAT	
L	Cancel Save	
L		
L		

Figure 7.18 Add No-end rule

- To edit a Rule, click on the gearwheel (See <u>Figure 7.15</u>). It will go to rules configuration; the commands can be edited.
- To delete a Rule, click on the bin icon (See Figure 7.15). Then, a pop-up window will be shown asking to confirm the procedure (See Figure 7.19). Click on **Delete**.



Figure 7.19 Delete Rule.



# 8. Maintenance

Maintenance function storage in the cloud the records of errors in the climatize system. In addition, the notifications available for filter cleaning and maintenance can be found in those records as well.

There are 2 ways to access to maintenance site (See Figure 8.1).

- 1. Click on **Maintenance** button of the AC Cloud Control home page.
- 2. Clicking the Maintenance icon of the quick access menu placed in the top right side.

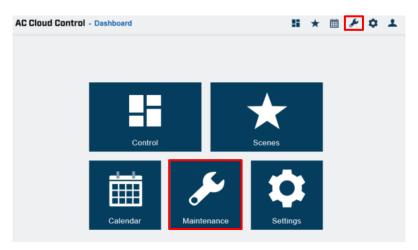


Figure 8.1 Maintenance section.

Overview of the list of errors and notifications in the account will be shown (See <u>Figure 8.3</u>). Unless the Maintenance and Filter cleaning widget had not been settled in control page (See <u>Figure 8.2</u>). For further information go to <u>Section 5.7</u> and <u>Section 5.8</u>.

AC Cloud Control - Maintenance					8	*	Ê	۶	٥	*
<ul> <li>BCN</li> <li>Zone</li> <li>Intesis</li> <li>Intesis 2</li> <li>IGU</li> <li>Zone</li> </ul>	DEVICE: Intesis 2 Start This Device has no mail	End ntenance notifications	Type to show.	All			2	Expor		
Intesis IR										



• To export the errors and notifications, click on **Export** (See Figure 8.3). Excel document will be generated with a list of the errors and notifications.

The list can be filtered depending of the user preference (See Figure 8.3).

- All: the errors and notifications available settled will be shown.
- **Errors:** the errors available will be shown.



- Filter cleaning: notifications about filter cleaning available will be shown.
- **Maintenance:** notifications about Maintenance available will be shown.

In addition, the list can be seen in different options as well.

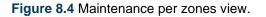
Intesis

- To see the list from one specific device, click on it (See Figure 8.3).
- To see the list from a whole zone, click on the zone wanted, the list of all devices associated to the zone will be shown (See Figure 8.4).
- To see the list from a whole facility, click on the facility wanted, the list of all devices associated to the facility will be shown (See Figure 8.5).

						_
BCN Zone	DEVICE: Intesis 2				All	~ Expo
Intesis	Start	End		Type Description	Contraction of the Contraction o	
Intesis 2	2020-06-03 12:57:32	2020-06-03 12:57:32	۲	Filter Control Disabled.	Filter cleaning Maintenance	
e IGU	2020-06-03 12:57:32	2020-06-03 12:57:32	Я	Maintenance Control Disabled.		
Zone	2020-06-03 12:53:49	2020-06-03 12:53:49	۲	Filter Change Time Configuration	Updated. New Setting: 13399 hours	
Intesis IR	2020-06-03 12:53:49	2020-06-03 12:53:49	В	Maintenance Time Configuration I	Updated. New setting: 13399 hours	
	2020-02-18 16:56:33	2020-02-18 16:56:33	۲	Filter Change Time Configuration	Updated. New Setting: 100 hours.	
	2020-02-18 16:56:33	2020-02-18 16:56:33		Time to Change the Filter Elapse	d.	
	2020-02-18 16:56:33	2020-02-18 16:56:33	Я	Maintenance Control Disabled		
	2020-02-12 18:40-55	2020-02-12		Time to Change the Filter Elapse	a	

Figure 8.3 Maintenance per devices view.

BCN     Zone	ZONE: Zone				All v Export
Intesis	Start	End	Device	Туре	Description
Intesis 2	2020-06-12 10:05:27	2020-06-12 10:05:27	Intesis	۲	Filter Control Disabled.
- IGU	2020-06-12 10:05:27	2020-06-12 10:05:27	Intesis	Я	Maintenance Control Disabled.
Zone	2020-06-11 15:24:37	2020-06-11 15:24:37	Intesis		Filter Time Reseted.
Intesis IR	2020-06-11 15:24:37	2020-06-11 15:24:37	Intesis	۵	Filter Change Time Configuration Updated. New Setting: 300 hours.
	2020-06-11 15:22:33	2020-06-11 15:22:33	Intesis 2	B	Maintenance Time Configuration Updated. New setting: 100 hours.
	2020-06-11 15:22:32	2020-06-11 15:22:32	Intesis 2	۶	Maintenance Time Reseted.
	2020-06-08 12:40:20	2020-06-08 12:40:20	Intesis 2	В	Maintenance Control Disabled.
	2020-06-08 12:40:20	2020-06-08 12:40:20	Intesis 2	۵	Filter Control Disabled.







BCN Zone	FACILITY: BCN					All v Expor
Intesis	Start	End	Zone	Device	Туре	Description
Intesis 2	2020-06-12 10:05:27	2020-06-12 10:05:27	Zone	Intesis	¢	Filter Control Disabled.
∃ IGU	2020-06-12 10:05:27	2020-06-12 10:05:27	Zone	Intesis	P	Maintenance Control Disabled.
Zone	2020-06-11 15:24:37	2020-06-11 15:24:37	Zone	Intesis		Filter Time Reseted.
Intesis IR	2020-06-11 15:24:37	2020-06-11 15:24:37	Zone	Intesis	۵	Filter Change Time Configuration Updated. New Setting: 300 hours.
	2020-06-11 15:22:33	2020-06-11 15:22:33	Zone	Intesis 2	P	Maintenance Time Configuration Updated. New setting: 100 hours.
	2020-06-11 15:22:32	2020-06-11 15:22:32	Zone	Intesis 2	۶	Maintenance Time Reseted.
	2020-06-08 12:40:20	2020-06-08 12:40:20	Zone	Intesis 2	Ð	Maintenance Control Disabled.
	2020-06-08 12:40:20	2020-06-08 12:40:20	Zone	Intesis 2	ŵ	Filter Control Disabled.

Figure 8.5 Maintenance per facilities view.

There are 4 kinds of errors and notifications:

- **•** Error: This will appear every time a device gets an error from the AC Unit or from the interaction between the AC unit and our device. Example:

*Error ACCC1: Error in the communication of AC Cloud Control device with the AC unit.* 

- Filter Change configuration: This will appear whenever a change to the Filter Change configuration is made. Example:

Filter Change time configuration updated. New Setting: 100 hours.

- **Filter Change time elapsed:** This will appear when the time set for Filter Change is exceeded. Example:

Time to Change the Filter Elapsed.

• A Maintenance configuration: This will appear whenever a change to the Maintenance configuration is made. Example:

Maintenance time configuration updated. New setting: 200 hours.

Maintenance time elapsed: This will appear when the time set for Maintenance is exceeded. Example:

Time to perform the Maintenance.

