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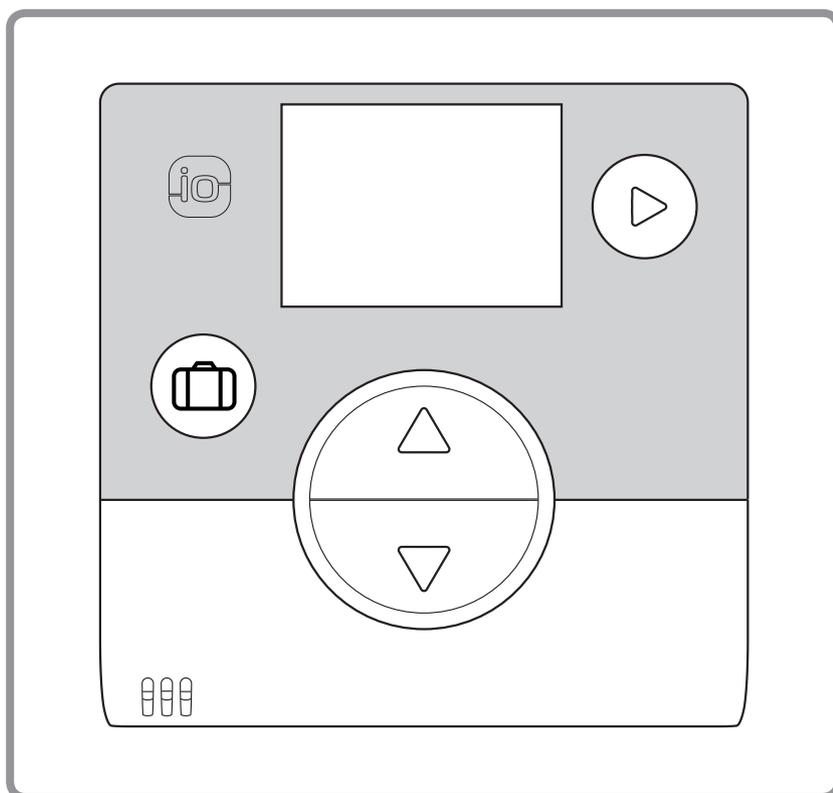
# Navilink A59

## Intelligent Room

### Temperature Controller

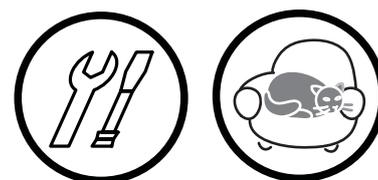
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**code 074208**



**EN**

Document N° 1846-5  
06/12/2017



**Reference guide**  
**for professionals**  
**and the user**

to be kept by the user  
for future reference

[atlantic-comfort.com](http://atlantic-comfort.com)

## Contents

<b>Description of the equipment . . . . .</b>		<b>2</b>	
General characteristics . . . . .	2	Display Description . . . . .	3
<b>Assembly and connections . . . . .</b>		<b>4</b>	
Installation . . . . .	4	Using the sensor with mains power . . . . .	5
Opening the sensor . . . . .	4	Attaching to a wall . . . . .	5
Using the sensor with batteries . . . . .	4		
<b>WiFi connection . . . . .</b>		<b>7</b>	
Room sensor pairing basics . . . . .	7	Pairing a 2 <sup>nd</sup> sensor . . . . .	10
Pairing a sensor with a HP / Boiler . . . . .	8		
<b>Installer Menu . . . . .</b>		<b>12</b>	
Calibration . . . . .	13	Sending an io-homecontrol® key . . . . .	16
Pairing a sensor . . . . .	14	Receiving an io-homecontrol® key . . . . .	17
Resetting . . . . .	15	Version. . . . .	18
<b>How to Use . . . . .</b>		<b>20</b>	
Adjusting the setpoint via the Advanced Menu: Manual mode . . . . .	20	Holiday mode . . . . .	21
Adjusting the setpoint via the Simplified Menu: Direct setpoint . . . . .	20		
<b>Error List . . . . .</b>		<b>22</b>	

# 1 Description of the equipment

## 1.1 General characteristics

Frequency: 868 MHz.

Radiofrequency output: 5 mW maximum.

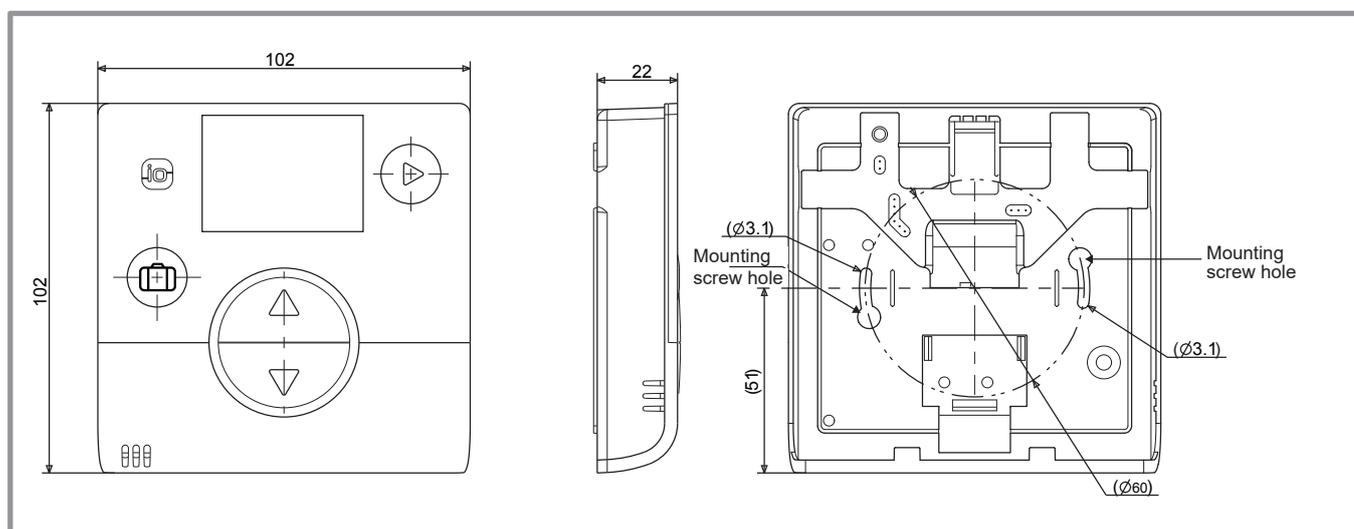
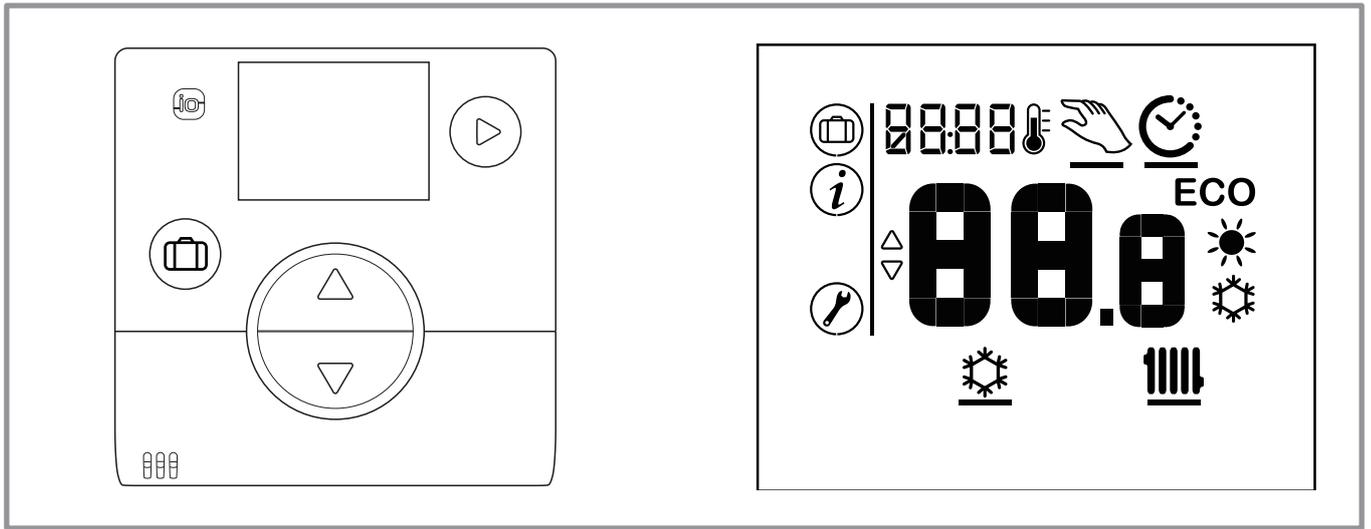


figure 1 - Dimensions in mm

## 1.2 Display Description



### Features



- Holiday mode



- Navigation
- Changing mode (OFF, Heating, Cooling)



- Increase the setpoint
- Go to next screen



- Reduce the setpoint
- Back to previous screen

### Symbols Definitions



- Holiday mode activated



- Information



- Installer menu



- Cooling mode\*



- Heating mode



- Comfort mode Cooling activated\*



- Comfort mode Heating activated

**ECO**

- ECO mode Heating/Cooling activated



- Timer programming mode



- Manual mode

**00.0**

- Setpoint value

21.7°C

- Screensaver / Ambient temperature

\* If installation allows

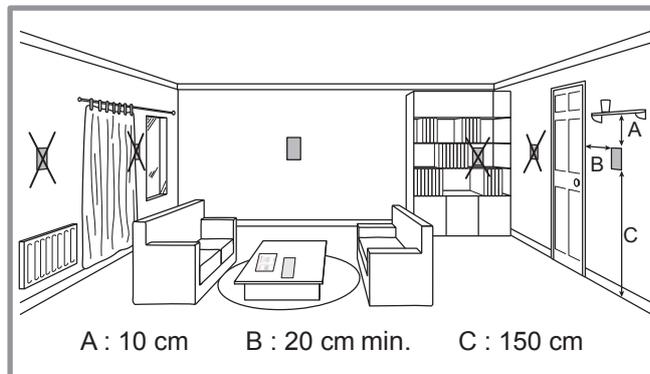
## 2 Assembly and connections

### 2.1 Installation

The sensor must be installed in the living room area on an unobstructed wall. It must be installed so as to be easily accessible. Choose a location with the fewest possible obstacles to good transmission. Comply with the following points:

- Avoid proximity to electrical cables, strong magnetic fields or devices such as computers, televisions or microwave ovens, etc.
- Avoid any zones of interference caused by large metallic objects or buildings containing fine metallic mesh or reinforcing (e.g. glass or special concrete).
- The distance between the transmitter and the receiver must not exceed 30 m or 2 storeys.
- Do not install the appliance inside a metal casing (e.g. heat pump).

- Avoid direct sources of heat (chimney, television, cooking surfaces, sun) and draughty areas (ventilation, door, etc.).



### 2.2 Opening the sensor

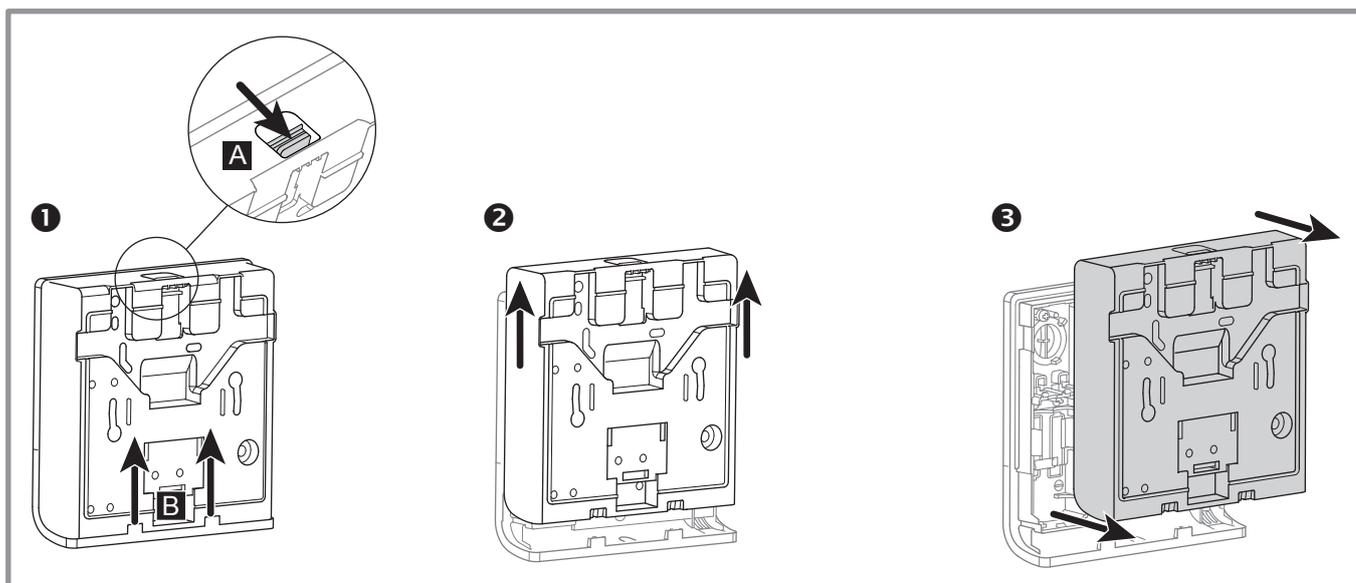


figure 2 - Opening the sensor

### 2.3 Using the sensor with batteries

2 AAA LR03 batteries (supplied).

Maintain polarity.

- ⚡ **Do not connect the wires.**



**Risk of premature wear of the batteries if the generator is off power.**

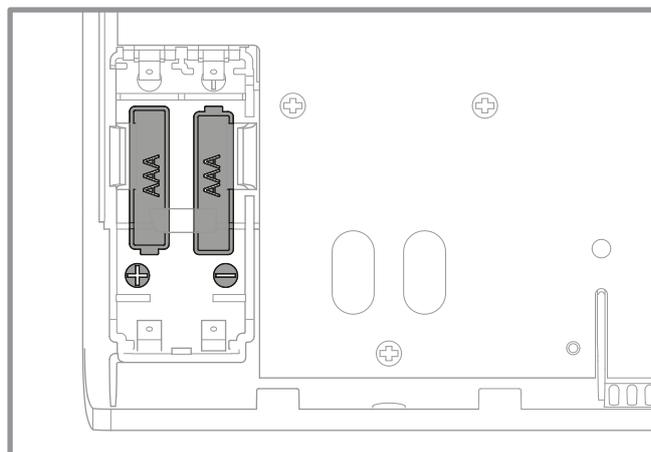


figure 3 - Battery-operated sensor

## 2.4 Using the sensor with mains power

Power rating 12 - 24V DC.

Type of cable to be used: 0.5 to 1.5 mm<sup>2</sup> rigid or 0.5 to 0.75 mm<sup>2</sup> flexible with rigid end.

- ☞ **Do not use batteries.**
- ☞ **Not compatible with Naia / Naema.**

### 2.4.1 Cable connection

1. Bare the end of the wires to around 10 mm.
2. Insert the cable ends into the connection terminals ("Push-in" connectors).

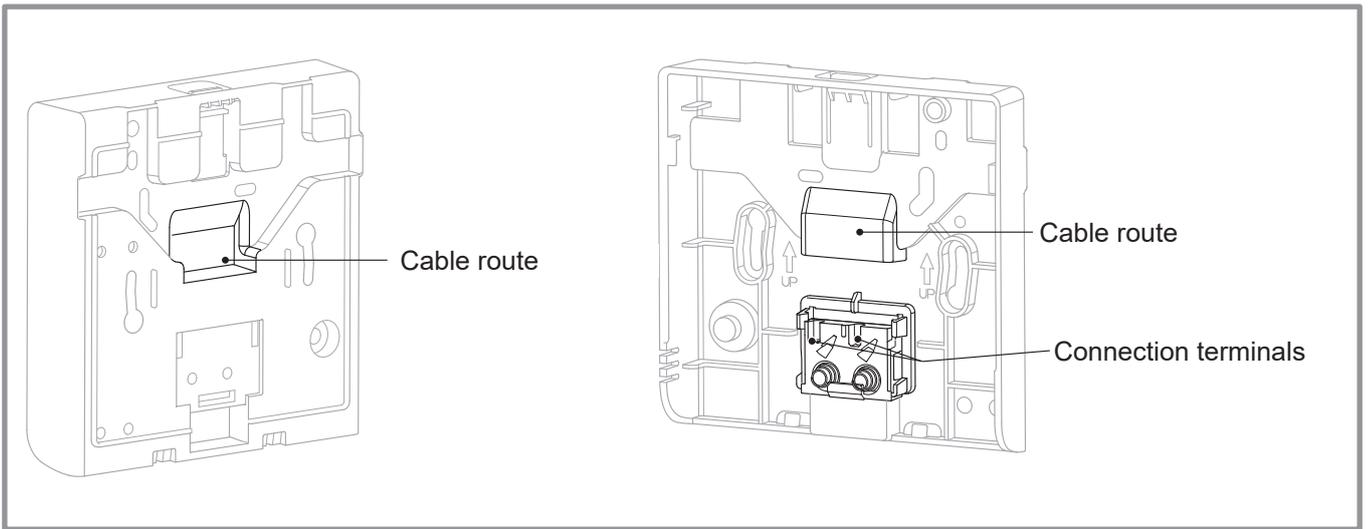


figure 4 - Cable connection

### 2.4.2 Cable disconnection

Use a flat-blade screwdriver.

Rotate the small metal plate while pulling on the cable.

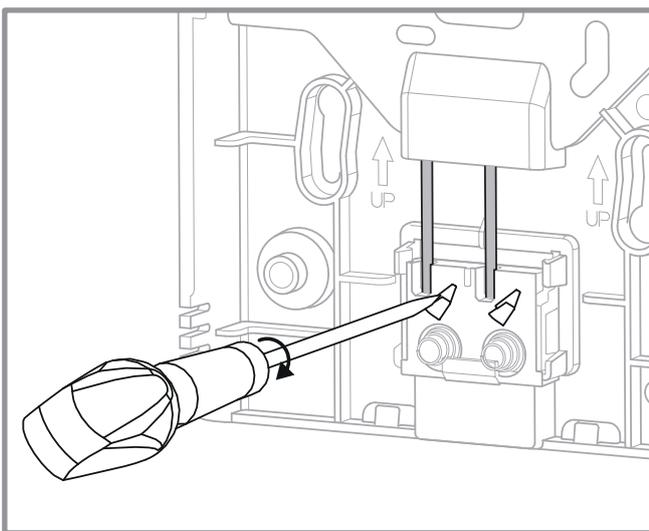


figure 5 - Cable disconnection

## 2.5 Attaching to a wall

Attach the sensor's rear plate using the screws (not supplied).

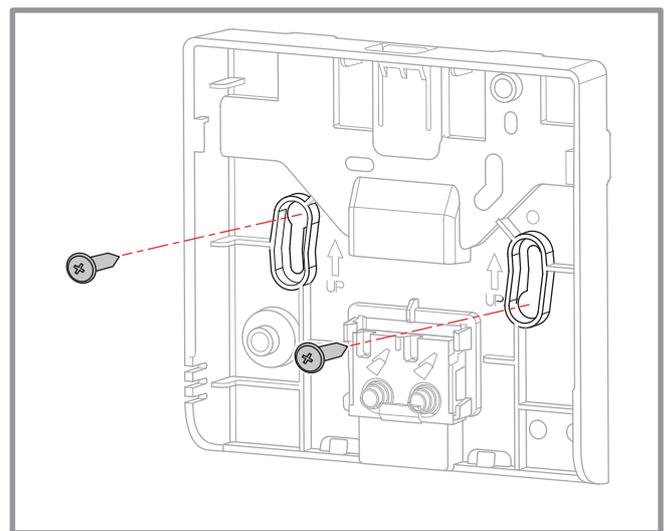


figure 6 - Attaching to a wall

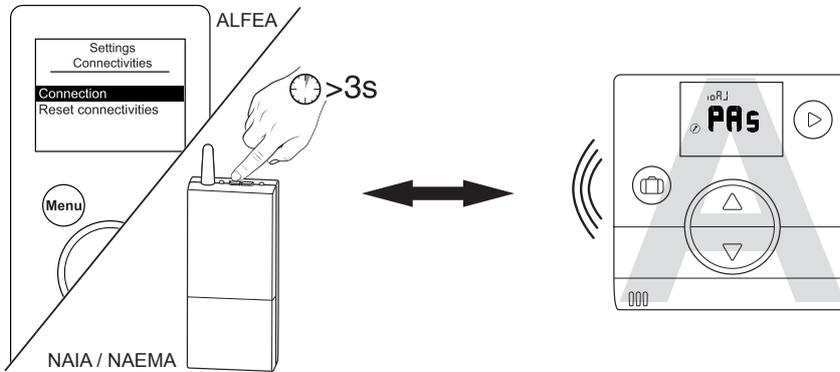


## 3 WiFi connection

### 3.1 Room sensor pairing basics

- HP / Boiler --> 1 room sensor

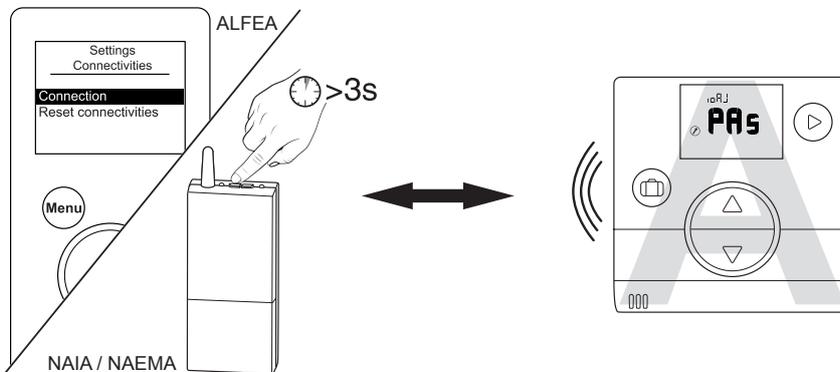
Pair the sensor with the HP / Boiler.



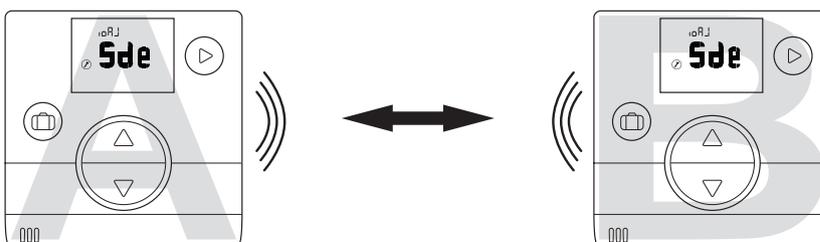
(See "Pairing procedure ...", page 19)

- HP / Boiler --> 2 room sensors

Pair the 1<sup>st</sup> sensor with the HP / Boiler.



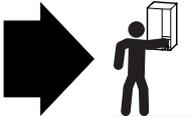
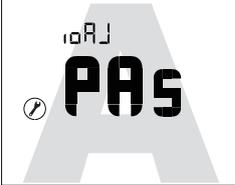
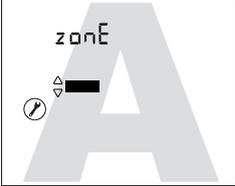
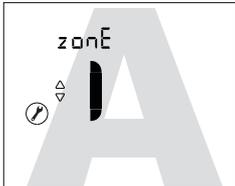
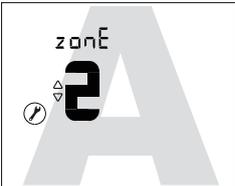
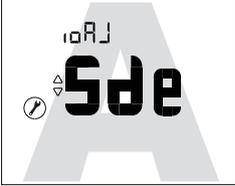
Pair the 2<sup>nd</sup> sensor with the 1<sup>st</sup> sensor.



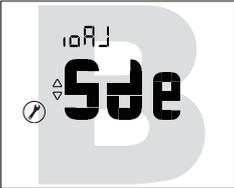
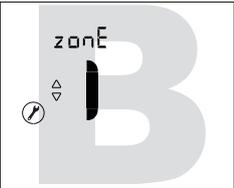
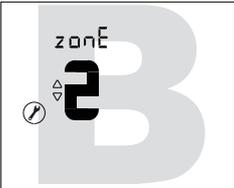
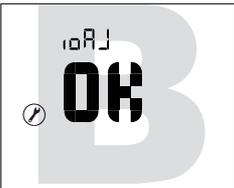
- ☞ To pair two devices (HP / Boiler - Sensor or Sensor - Sensor), both devices must be in pairing mode.

### 3.2 Pairing a sensor with a HP / Boiler

#### 3.2.1 Pairing a 1<sup>st</sup> sensor with a HP / Boiler

Action	Description	Display
1	On the boiler or heat pump, start the pairing procedure. <b>Please refer to the instructions supplied with the product or "Pairing procedure ...", page 19.</b>	
2	 <b>Default display when sensor is first commissioned.</b>	
3	Select "PAs" using the  and  buttons. Wait 5 seconds. "PAs" flashes. The sensor waits for pairing for 10 minutes.	
4	Select the sensor's zone number using the  and  buttons.	
	Wait 5 seconds.	 or 
	Pairing failed. Restart the procedure from step 2.	
5	Pairing was successful.	
6	<b>If only one sensor is to be paired</b> Select "Fln" (end) using the  and  buttons.	
	<b>If a 2<sup>nd</sup> sensor is to be paired</b> Select "Sde" (sensor) using the  and  buttons. "Sde" flashes. The sensor waits for pairing for 10 minutes.	

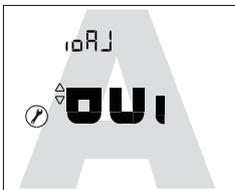
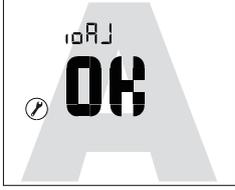
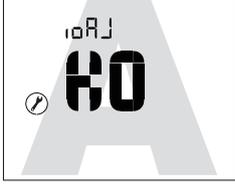
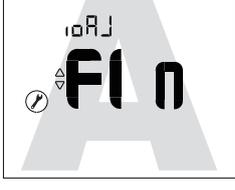
### 3.2.2 Pairing a 2<sup>nd</sup> sensor

Action	Description	Display
1	Start the pairing procedure on the 1 <sup>st</sup> sensor. <b>Use the following procedure to pair the 2<sup>nd</sup> sensor.</b>	
2	 <b>Default display when sensor is first commissioned.</b>	
3	Select "Sde" (sensor) using the  and  buttons. Wait 5 seconds. "Sde" flashes. The sensor waits for pairing for 10 minutes.	
4	Select the sensor's zone number using the  and  buttons. Wait 5 seconds.	 or 
5	Pairing failed. Restart the procedure from step 2.	
6	Pairing was successful.  Go back to the main screen using the  button. In the event of a failure, restart the procedure from the beginning.	    

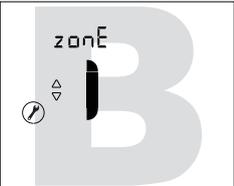
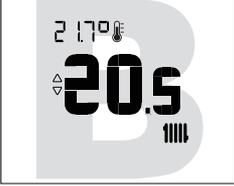
### 3.3 Pairing a 2<sup>nd</sup> sensor

The installation includes a 1<sup>st</sup> working sensor.

#### 3.3.1 Procedure for pairing with a 1<sup>st</sup> sensor

Action	Description	Display
1	Access the Installer Menu by pressing  and  simultaneously during 3 seconds.	
2	Select "ioAJ" using the  button.	
3	Select "oui" (Yes) using the  and  buttons. Wait 5 seconds.	
4	"Sde" (sensor) flashes. The sensor waits for pairing for 10 minutes.	
5	 Start the pairing procedure on the 2 <sup>nd</sup> sensor (" <a href="#">Pairing a 2nd sensor</a> ", page 11).	
6	Pairing was successful.	
6	Pairing failed.	
7	Select "Fln" (end) using the  and  buttons.	

### 3.3.2 Pairing a 2<sup>nd</sup> sensor

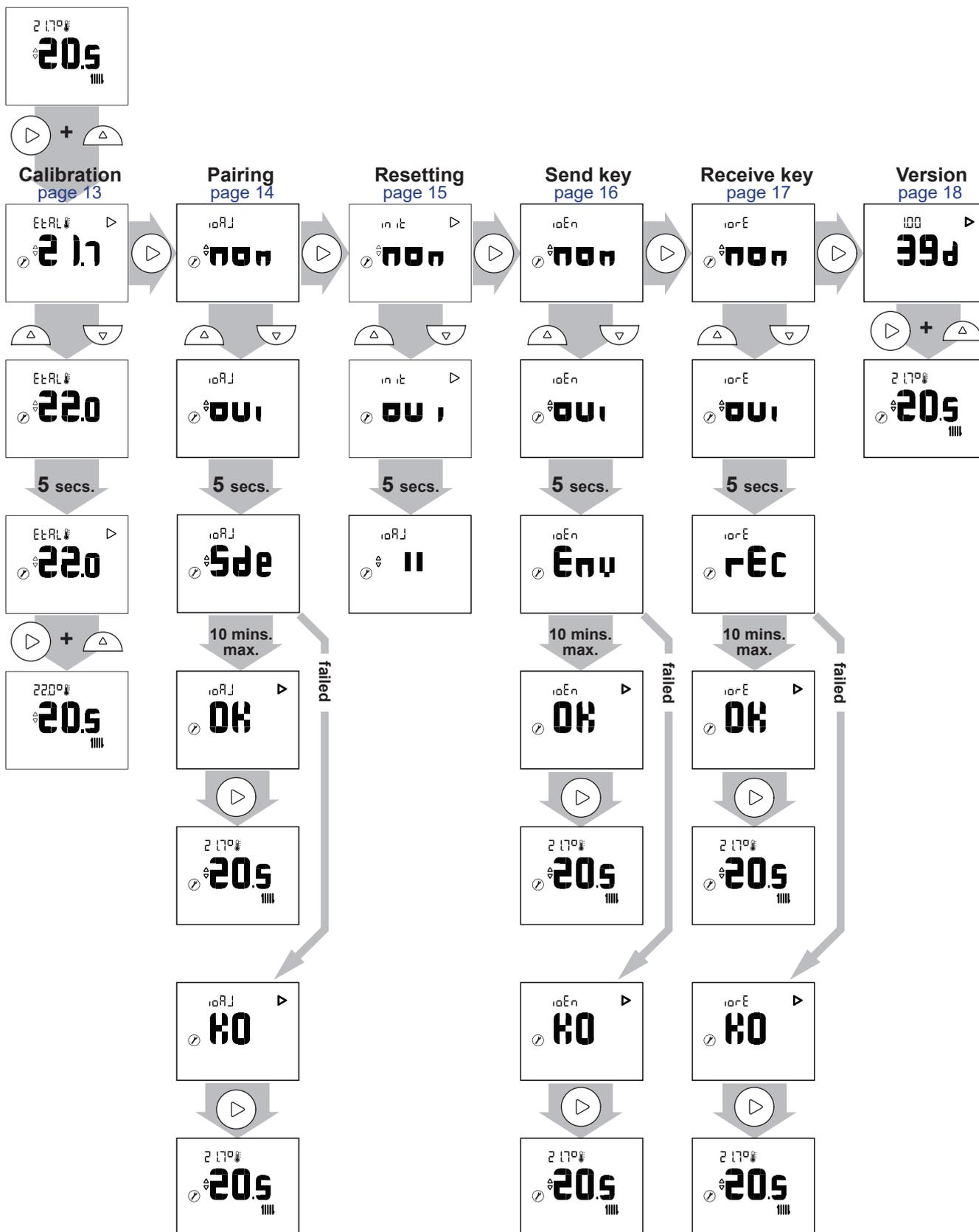
Action	Description	Display
1	Start the pairing procedure on the 1 <sup>st</sup> sensor. Use the following procedure to pair the 2 <sup>nd</sup> sensor.	
2	 Default display when sensor is first commissioned.	
3	Select "Sde" (sensor) using the  and  buttons. Wait 5 seconds. "Sde" flashes. The sensor waits for pairing for 10 minutes.	
4	Select the sensor's zone number using the  and  buttons. Wait 5 seconds.	 or 
5	Pairing failed. Restart the procedure from step 2.	
6	Pairing was successful. Go back to the main screen using the  button. In the event of a failure, restart the procedure from the beginning.	  

## 4 Installer Menu

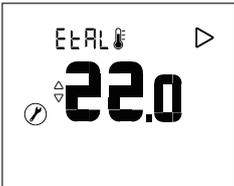
Access the Installer Menu by pressing and simultaneously during 3 seconds.

When the Installer Menu is active, the symbol appears.

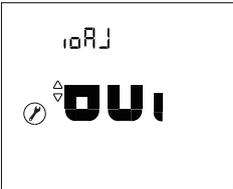
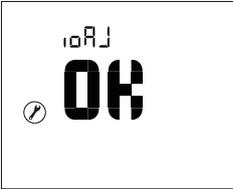
Quit the Installer Menu by pressing and simultaneously during 3 seconds.



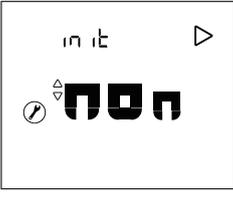
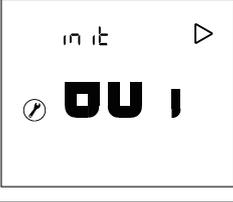
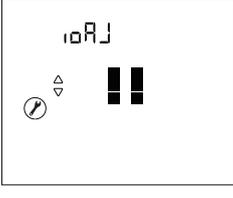
## 4.1 Calibration

Action	Description	Display
1	Access the Installer Menu by pressing  and  simultaneously during 3 seconds.	
2	Select "EtAl" (calibration) using the  button.	
3	Adjust the temperature using the  and  buttons. Wait 5 seconds.	
4	The sensor is calibrated.	
5	Quit the Installer Menu by pressing  and  simultaneously during 3 seconds.	

## 4.2 Pairing a sensor

Action	Description	Display
1	Access the Installer Menu by pressing  and  simultaneously during 3 seconds.	
2	Select "ioAJ" using the  button.	
3	Select "oui" (yes) using the  and  buttons. Wait 5 seconds.	
4	"Sde" (sensor) flashes. The sensor waits for pairing for 10 minutes.	
5	Pairing was successful.	
	Pairing failed.	
6	Go back to the main screen using the  button. In the event of a failure, restart the procedure from the beginning.	

### 4.3 Resetting

Action	Description	Display
1	Access the Installer Menu by pressing  and  simultaneously during 3 seconds.	
2	Select "init" (reset) using the  button.	
3	Select "oui" (yes) using the  and  buttons. Wait 5 seconds.	
5	The sensor is reset.	

## • ADVANCED PARAMETERS - HOME AUTOMATION OPTIONS

### Security key:

The io-homecontrol® WiFi protocol has built-in security to avoid interfering with nearby equipment. Where various io-homecontrol® devices are used, the first installed device will generate a unique "security key" for all devices in the house. Existing equipment must share this security key with the equipment to be added.

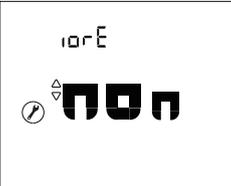
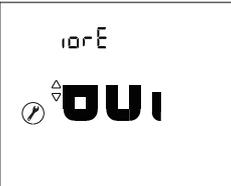
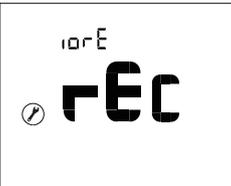
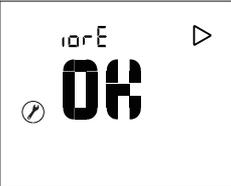
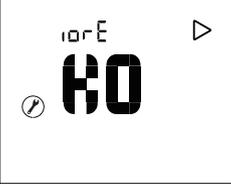
This section is reserved for competent users of io-homecontrol® technology and offers various services covered by this key.

Please refer to the section on pairing io-homecontrol® devices.

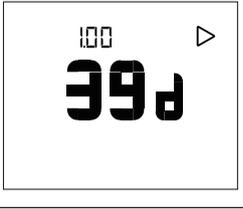
### 4.4 Sending an io-homecontrol® key

Action	Description	Display
1	Access the Installer Menu by pressing  and  simultaneously during 3 seconds.	
2	Select "ioEn" using the  button.	
3	Select "oui" (yes) using the  and  buttons. Wait 5 seconds.	
4	The io-homecontrol® key send sequence starts.	
5	The io-homecontrol® key was sent successfully.	
	The io-homecontrol® key was not sent.	
6	Go back to the main screen using the  button. In the event of a failure, restart the procedure from the beginning.	

## 4.5 Receiving an io-homecontrol® key

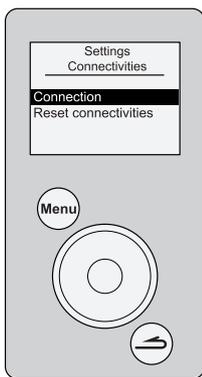
Action	Description	Display
1	Access the Installer Menu by pressing  and  simultaneously during 3 seconds.	
2	Select "iorE" using the  button.	
3	Select "oui" (yes) using the  and  buttons. Wait 5 seconds.	
4	The io-homecontrol® key receive sequence starts.	
5	The io-homecontrol® key was received successfully.	
	The io-homecontrol® key was not received.	
6	Go back to the main screen using the  button. In the event of a failure, restart the procedure from the beginning.	

## 4.6 Version

Action	Description	Display
1	Access the Installer Menu by pressing  and  simultaneously during 3 seconds.	
2	Access the "Version" screen using the  button.	
3	Quit the Installer Menu by pressing  and  simultaneously during 3 seconds.	

## 4.7 Pairing procedure ...

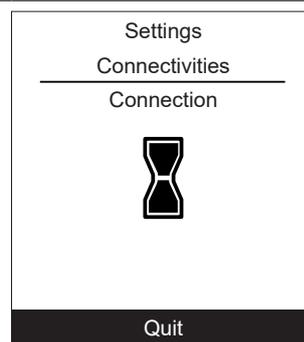
### 4.7.1 ...with an heat pump alféa A.I.



To connect a room sensor, go to the menu:  
*"Settings" > "Connectivities" > "Connection".*

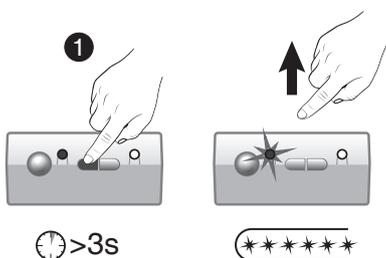
The appliance waits for pairing for 10 minutes.

☞ **The "Connection" menu is no longer accessible if a sensor has already paired.**



For more information, please refer to the instructions supplied with the appliance.

### 4.7.2 ...with a Navipass io-homecontrol®



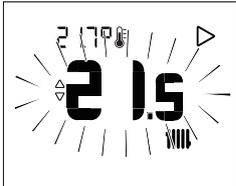
Place the NAVIPASS IO waiting for pairing.  
 Press key 1 during 3 seconds.  
 Release.  
 LED 1 flashes green quickly.

For more information, please refer to the instructions supplied with Navipass io-homecontrol®.

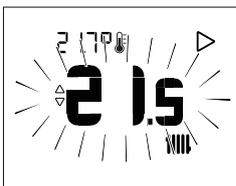
## 5 How to Use

### 5.1 Adjusting the setpoint via the Advanced Menu: Manual mode

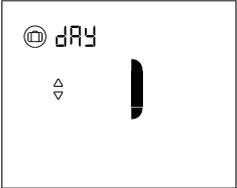
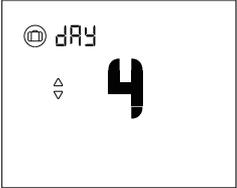
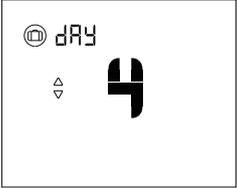
☞ The exemption allows you to change the setpoint for a period of 24 hours.

Action	Description	Display
1	Press  or  .	
2	The setpoint flashes. Adjust the setpoint using the  and  buttons.	
3	Once the setpoint has been selected, wait 5 seconds. It stops flashing. <b>The setpoint is changed for a period of 24 hours.</b> At the end of the exemption period, it returns to the original state and the "hand" symbol disappears.	

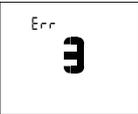
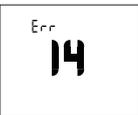
### 5.2 Adjusting the setpoint via the Simplified Menu: Direct setpoint

Action	Description	Display
1	Press  or  .	
2	The setpoint flashes. Adjust the setpoint using the  and  buttons.	
3	Once the setpoint has been selected, wait 5 seconds. It stops flashing. <b>The setpoint was changed.</b>	

### 5.3 Holiday mode

Action	Description	Display
1	Press the  button.	
2	Set the number of days for the holiday period using the  and  buttons.	
3	Wait 5 seconds. ☞ The number of days remaining is displayed during the holiday period.	
	☞ Press the  button again to cancel Holiday mode.	

## 6 Error List

N°	Error description	Actions
	Battery fault if charge <10%	Replace the batteries
	Temperature sensor fault	Contact your installer
	Open circuit	
	Value below lower limit	
	Value above upper limit	
	Short-circuit	
	WiFi malfunction (if no WiFi signal for more than 16 minutes)	
	Button malfunction (if button problem detected for more than 20 seconds)	Check that no buttons are stuck in the depressed position





This equipment complies with:  
- Low Voltage Directive 2014/35/UE in accordance with EN 60335-1,  
- Electromagnetic Compatibility Directive 2014/30/UE



This appliance is marked with this symbol. It means that all electrical and electronic products must be strictly separated from household waste. A specific recovery system for this type of product is in place in the countries of the European Union (\*), Norway, Iceland and Liechtenstein. Do not attempt to dismantle this product yourself. This can have adverse effects on your health and on the environment. Refrigerant liquid, oil and other parts must be reprocessed by a qualified installer in accordance with applicable local and national laws. In terms of recycling, this appliance must be processed by a specialised service and must not, under any circumstances, be thrown out with household waste, bulky waste or at a tip. Please contact your heating engineer or After Sales service for further information.  
\* Depending on the national regulations of each member state.

Commissioning date:

Contact details of your heating engineer or After Sales service.



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