

AIRZONE

GET CONTROL OF ANY HVAC
INSTALLATION



THERMOSILESIA
WE ARE FOR YOU

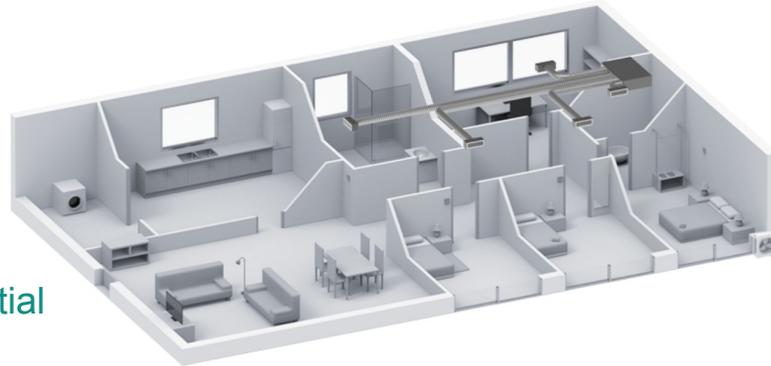


Aidoo controller

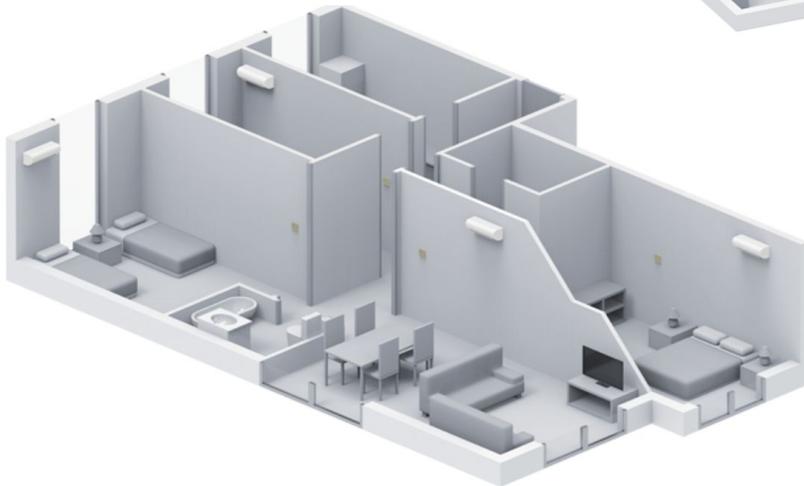


Aidoo

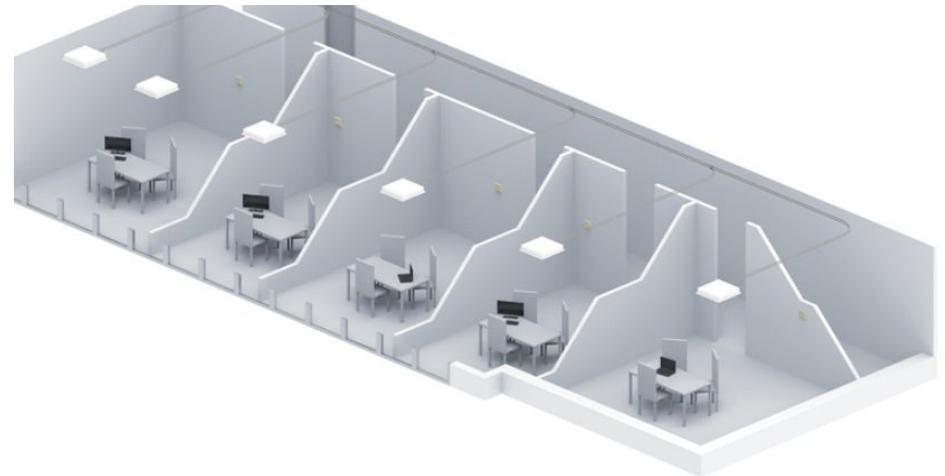
Ducted Unit in Residential



Wall mounted in Residential

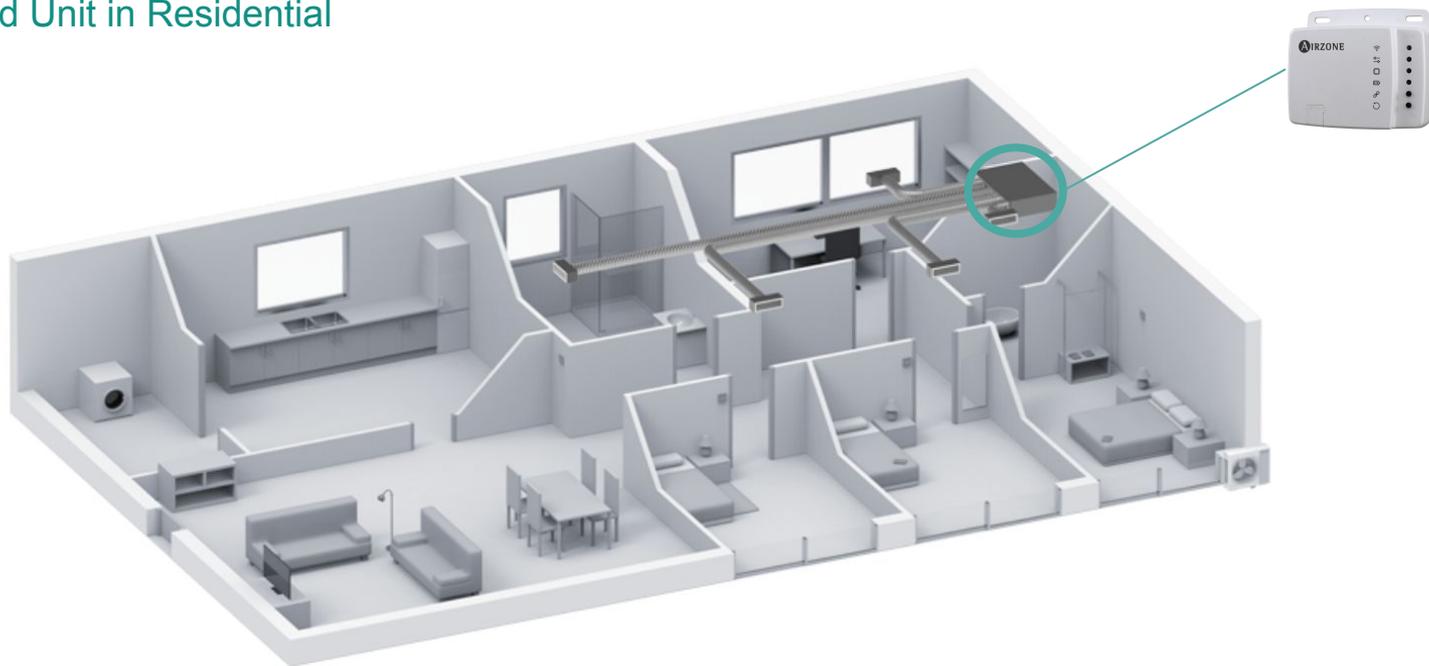


Cassettes in Commercial



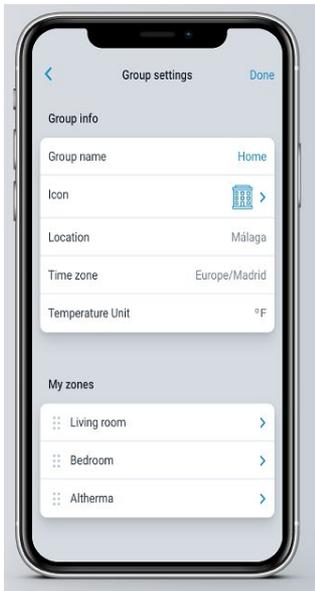
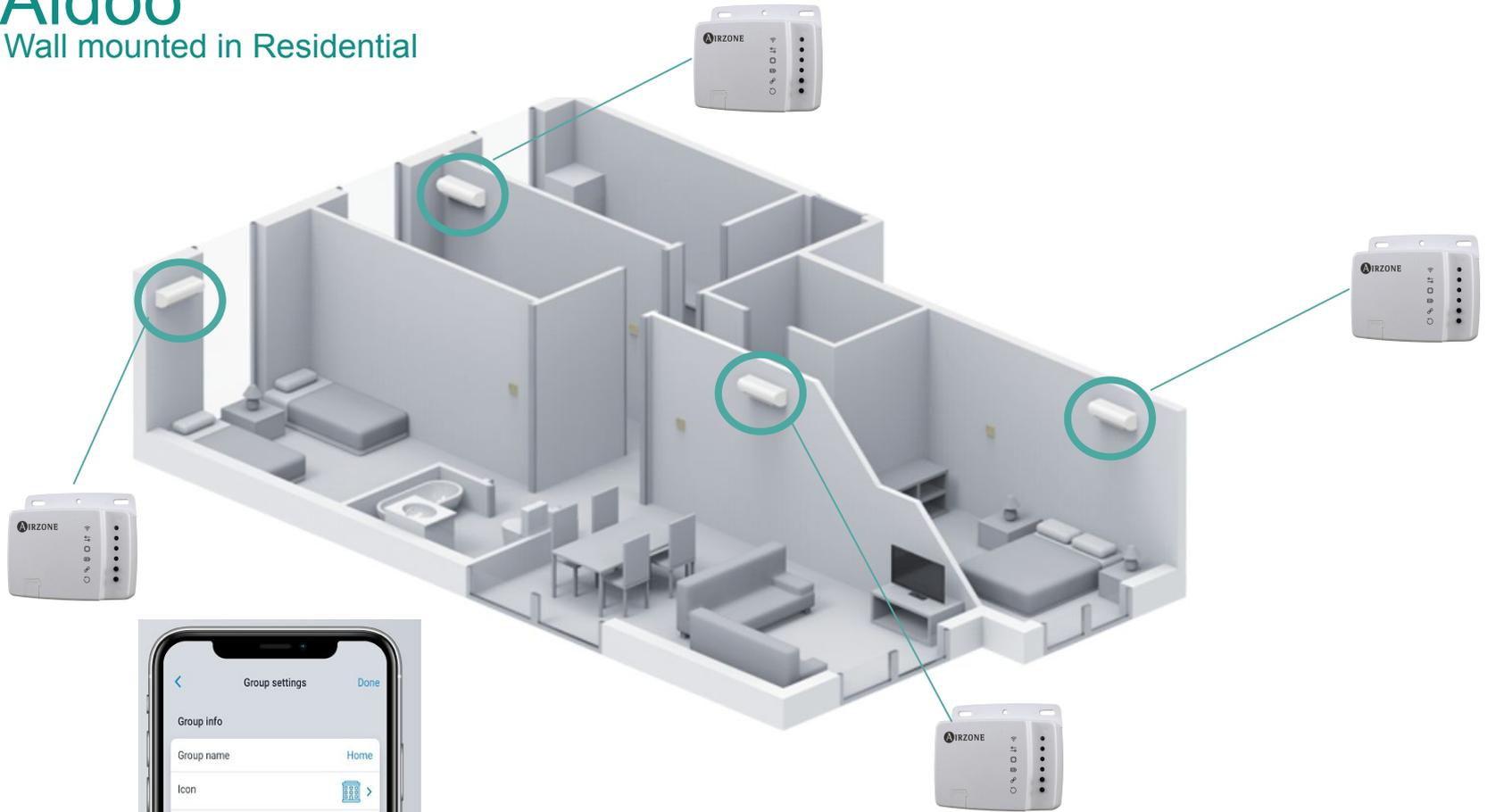
Aidoo

Ducted Unit in Residential



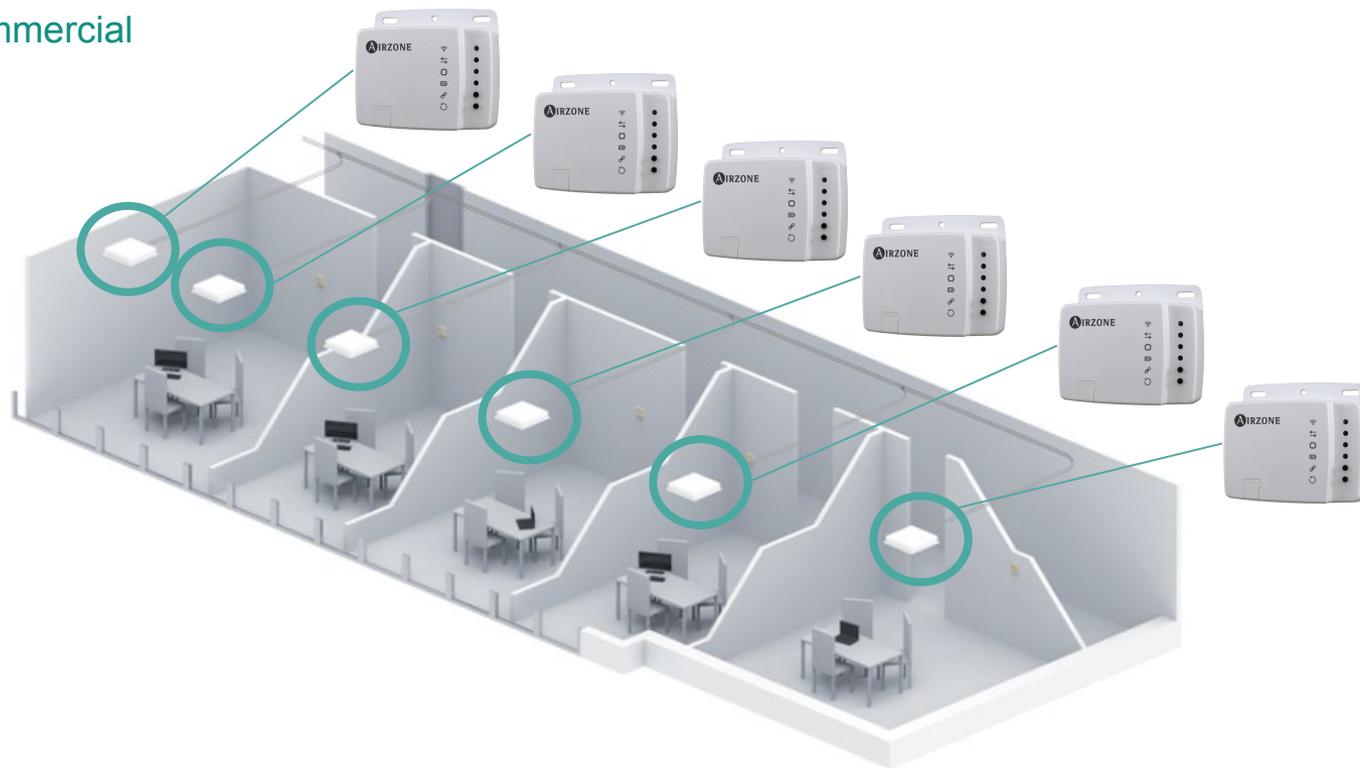
Aidoo

Wall mounted in Residential

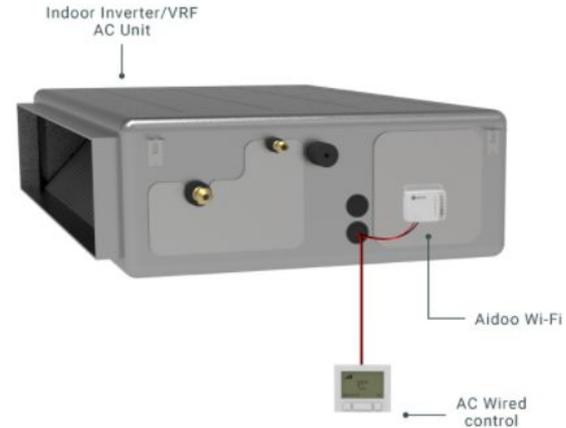


Aidoo

Cassettes in Commercial



Advantages



Full Control

- Temperature
- On/Off
- Operating mode
- Speed.
- Slats position.

Aidoo versions++



Additional features

- Time schedules
- Scenes
- Voice control
- Affordable solution



Plug&Play

- Simple one device solution
- Mix&Match

Confidence

- Certified dedicated protocols for each manufacturer

Additional PRO features

- Error codes in your smartphone
- Smart remote diagnosis

USER

PROFESSIONAL

Choose your Aidoo!



Aidoo Wi-fi



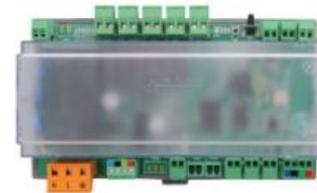
Aidoo Pro



Aidoo Z-Wave



Aidoo KNX



Aidoo Pro Fancoil

CONTROL OPTIONS**INTEGRATION OPTIONS****OTHER FEATURES****Aidoo Pro**
VRF/InverterVoice control,
Mobile App, HA/BMS,
Smart ThermostatsCloud API,
REST API, Modbus,
BACnet MS/TPAirtools, Bluetooth
Configuration,
Auxiliary Heat Output,
Configurable dry contact**Aidoo Fan coil**
Fan coilVoice control,
Mobile App, HA/BMS,
Airzone thermostatCloud API,
REST API, Modbus,
BACnet MS/TPAirtools,
Window & Presence
Detection, Eco Mode,
Bluetooth Configuration**Aidoo Wi-Fi**
VRF/InverterVoice control,
Mobile App,
HA/BMSCloud API,
ModbusAirtools,
Bluetooth Configuration**Aidoo Z-Wave**
VRF/Inverter

Z-Wave Systems

Z-Wave,
Modbus

-

Aidoo KNX
VRF/Inverter

KNX Systems

KNX

Three configurable
digital inputs

Aidoo PRO Characteristics

New Rest API & Cloud API



New Drivers for integration



New 3rd Party thermostats



3rd Party Smart Thermostats

New Auxiliary Heat Output

New (On/Off) DI

New Dual Wi-Fi(2,4/5GHz)

New Configurable Port: Modbus or BACnet MS/TP protocol

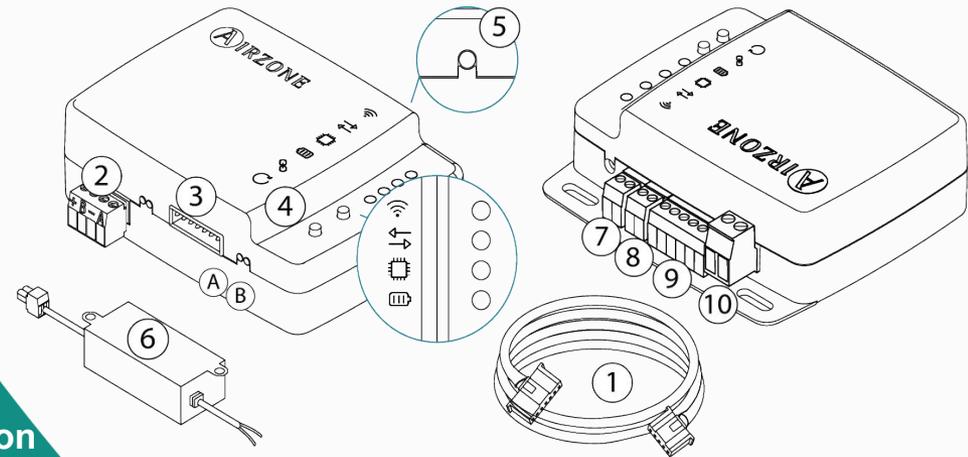


Device Components

Aidoo PRO



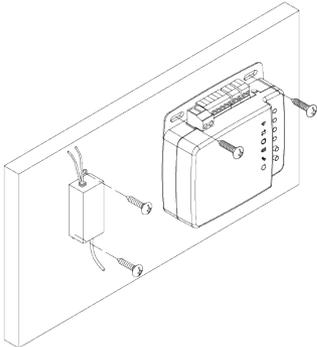
- 1 Indoor Unit cable
- 2 Modbus-BACnet Port
- 3 Indoor Unit Port
- 4 Restart device
- 5 Forget Wi-Fi network details
- 6 Ext. Power Supply
- 7 12 Vdc Output
- 8 Digital Input
- 9 3rd Party Smart Thermostat Connection
- 10 Power Supply input



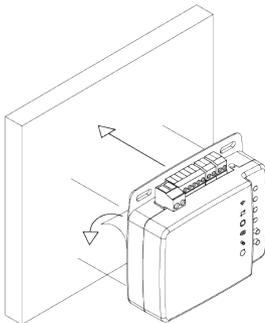
Installation

1.

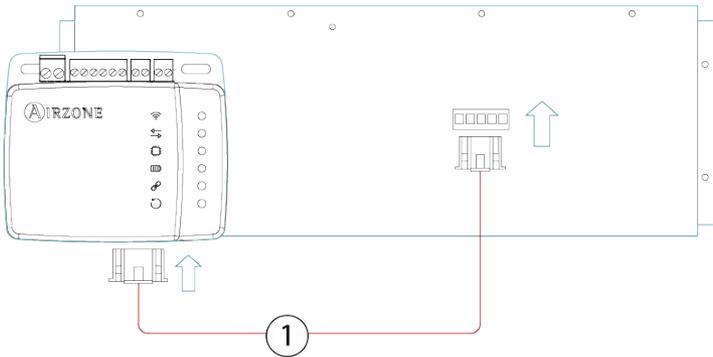
a.



b.

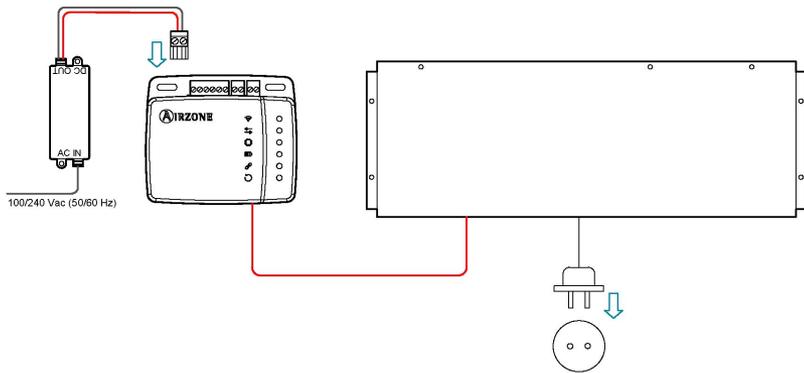


2.

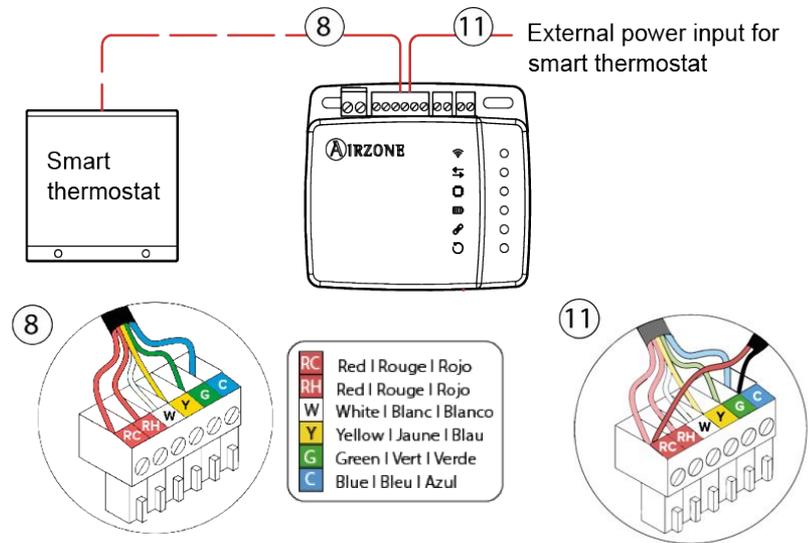


Installation

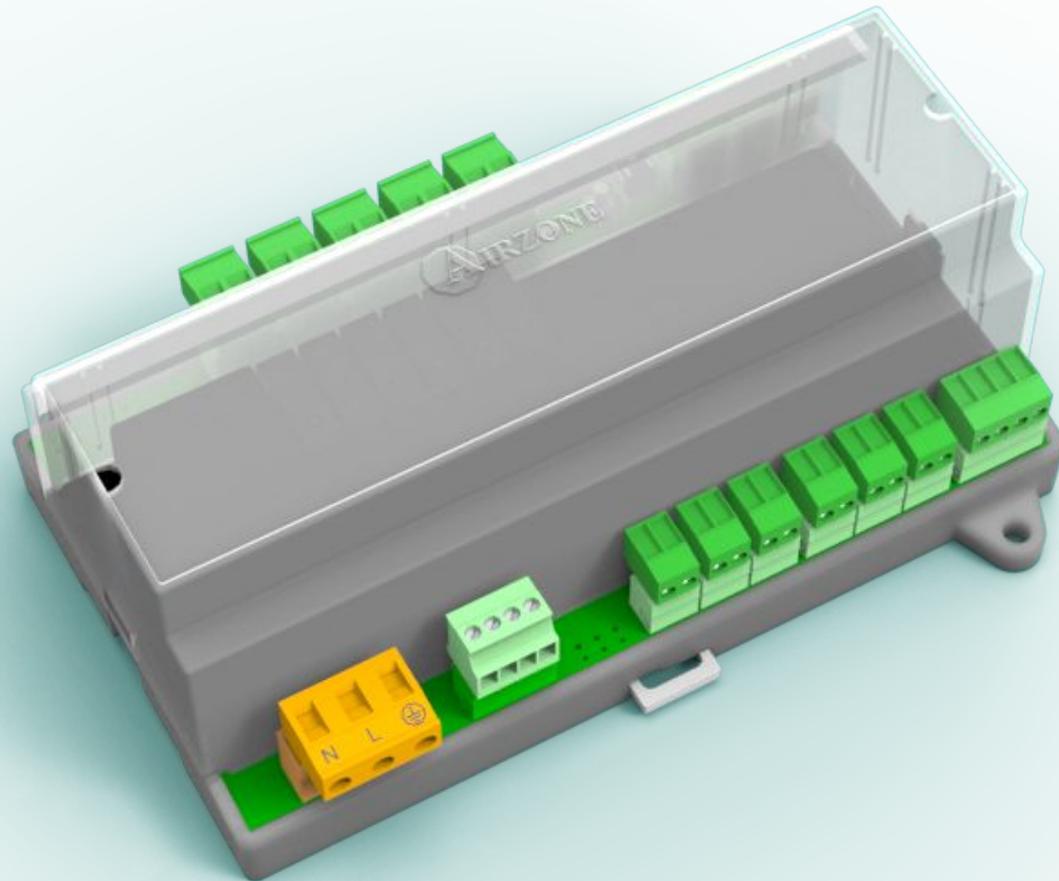
3.



4. Optional



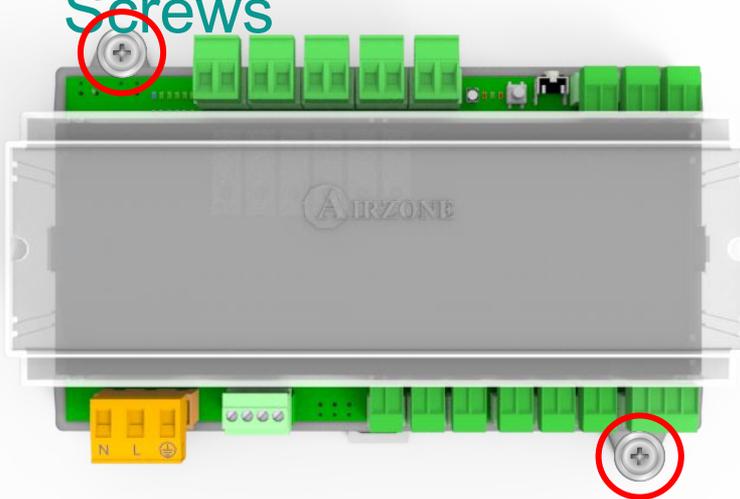
Aidoo Pro Fancoil



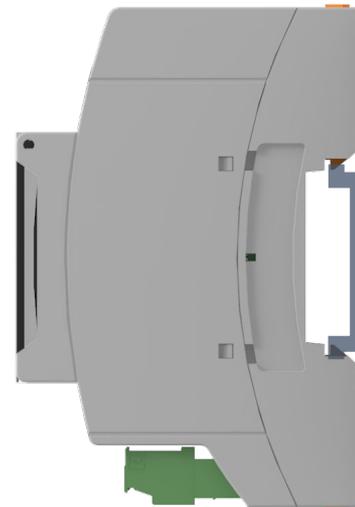
Assembling

1

a. Use the
Screws

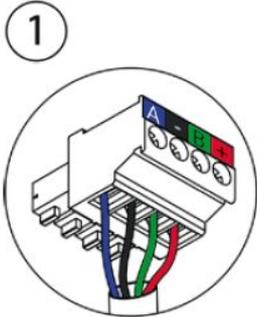
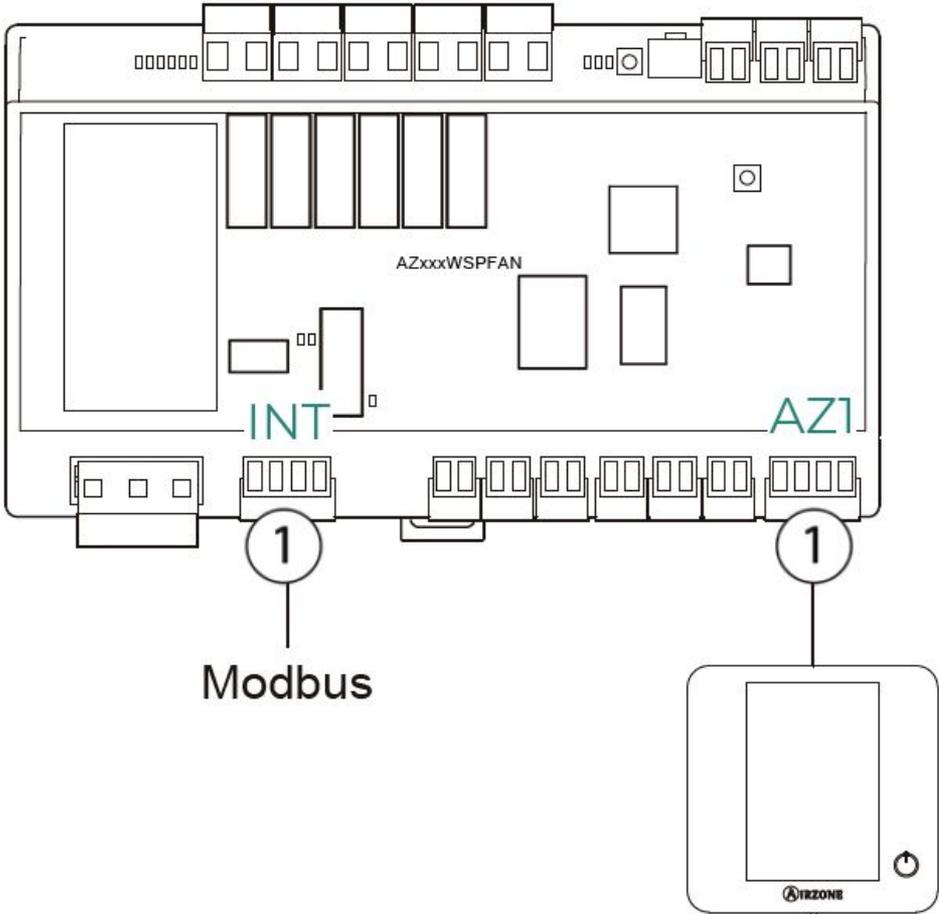


b. DIN Rail



Connection

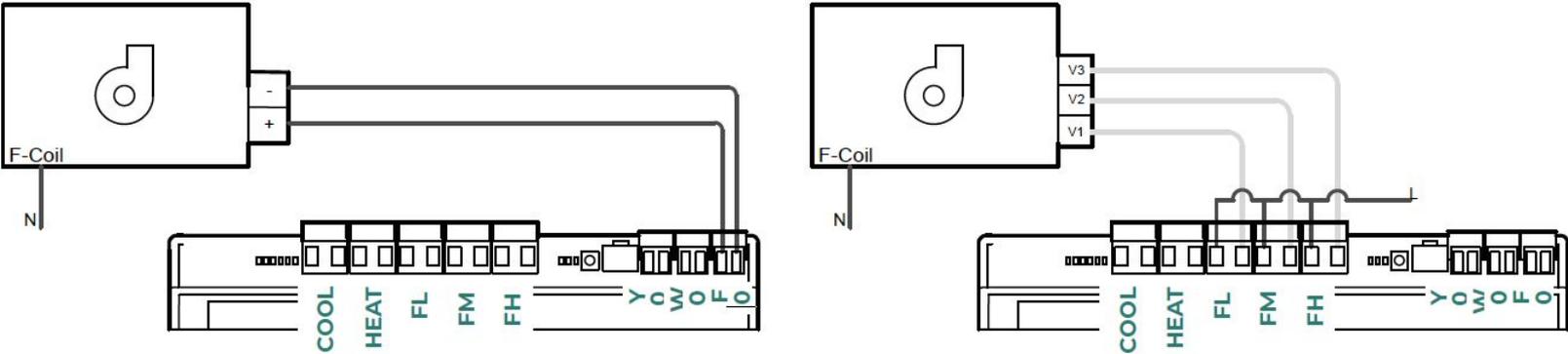
2



Connection

3

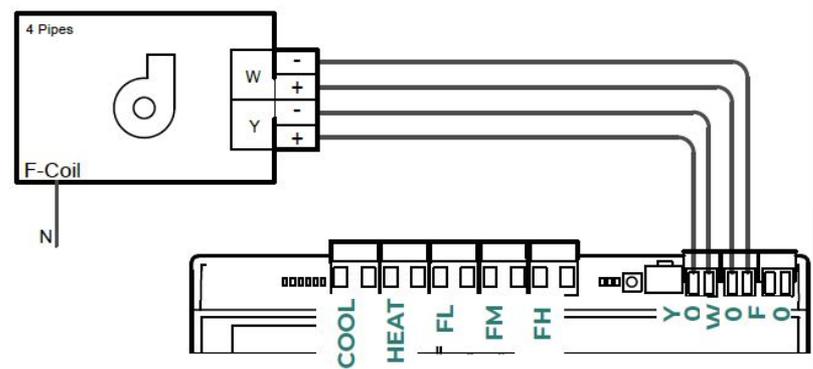
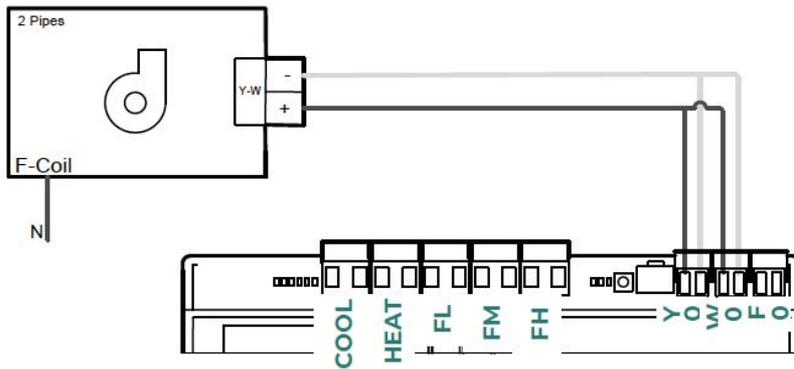
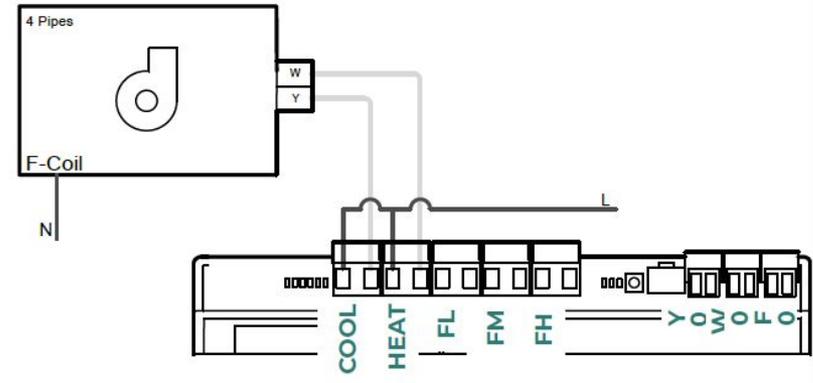
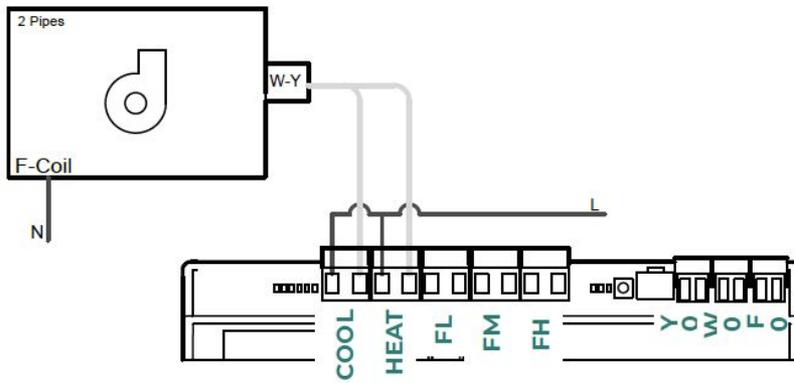
Speeds



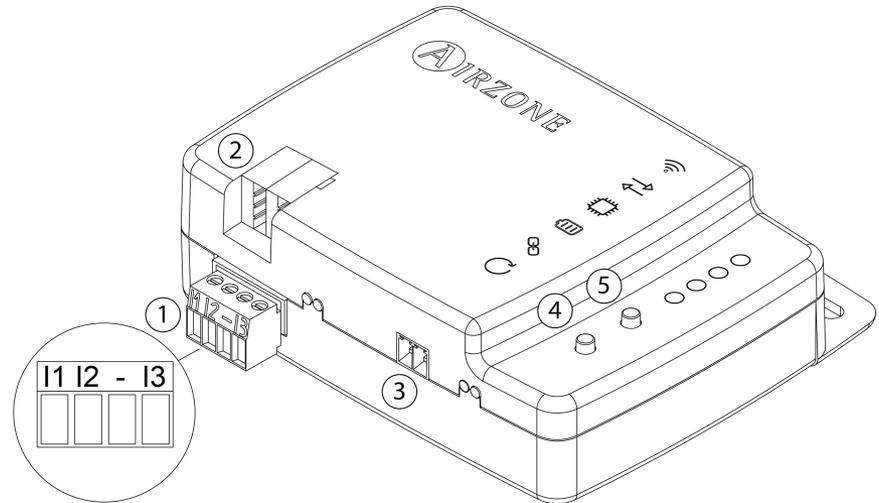
Connection

3

Modes



Aidoo KNX



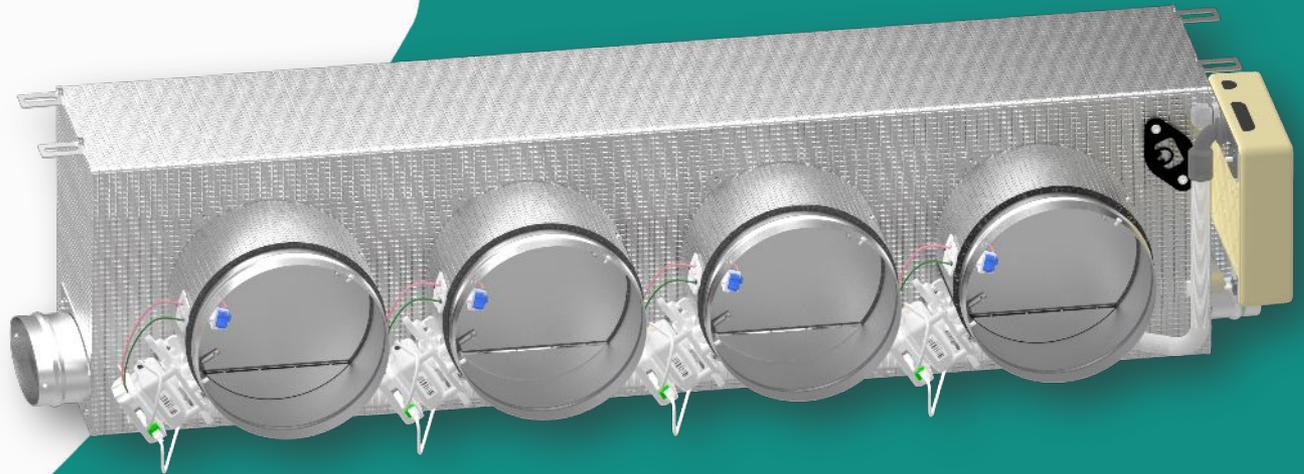
1	I1: DI 1 I2: DI 2 -: Common I3: DI 3
2	KNX Connection
3	Indoor Unit Port
4	Restart Device
5	Programming push button



AIRZONE Zoning system Technical Training

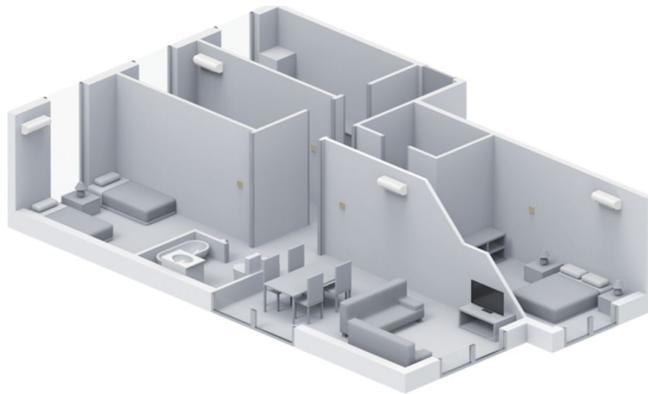
Easyzone IAQ

EZ8



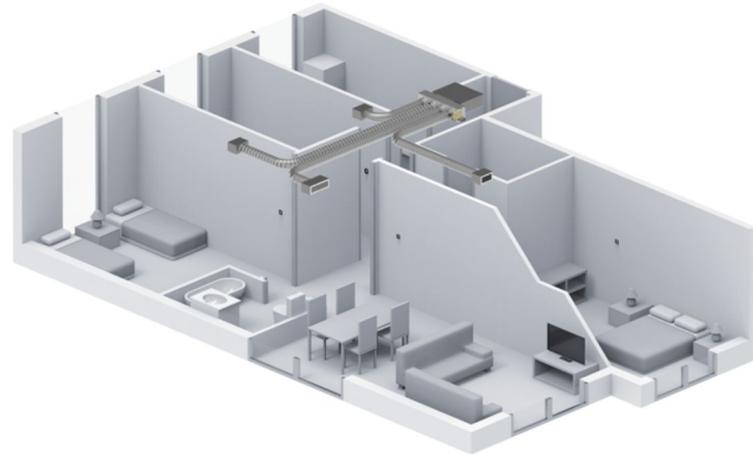
Traditional VS Airzone

Wall mounted/cassette units



Traditional

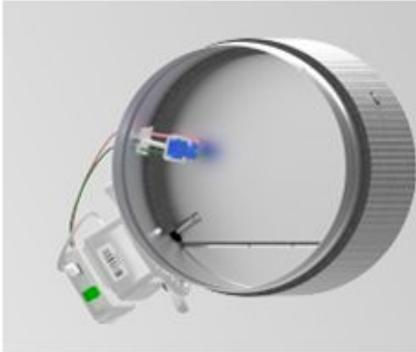
Ducted units





EASYZONE CAI

All in one Plug&Play solution for transforming a mass-produced standard unit into one adapted to user needs



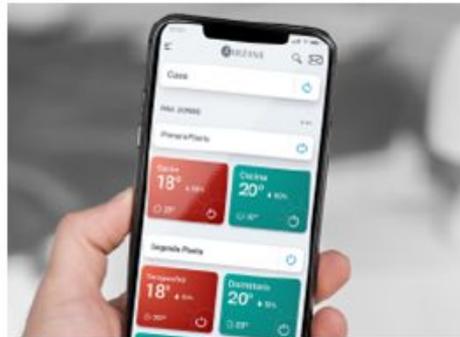
Ionisation



Combined control



Comfort and savings

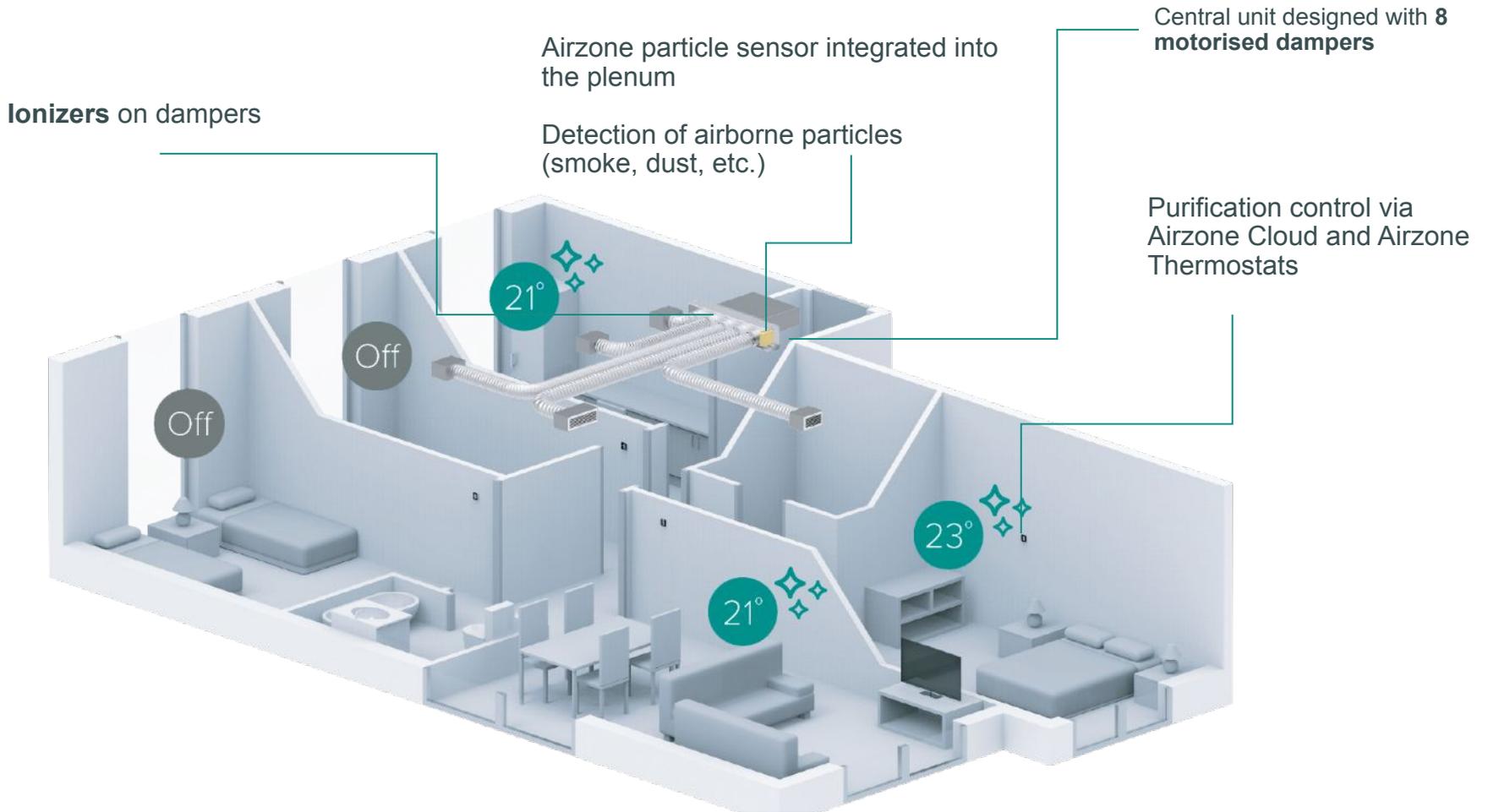


Connectivity



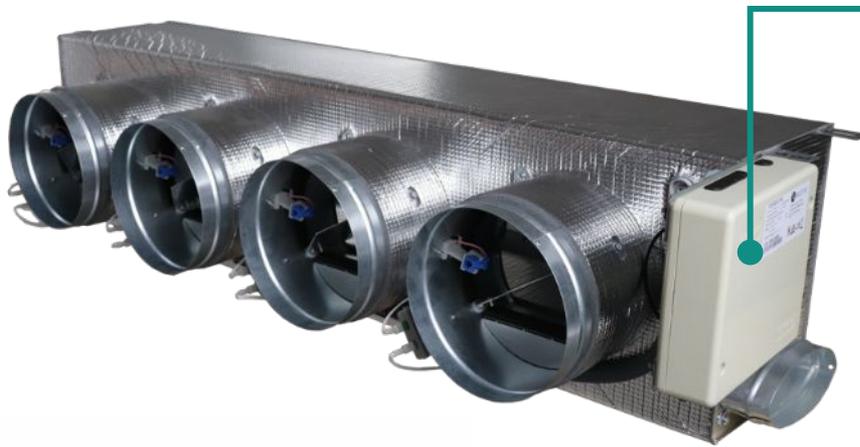
Easyzone QAI

Zone by zone control system with air purification by **ionization**



Easyzone IAQ

All-in-one Plug&Play solution for ducted systems



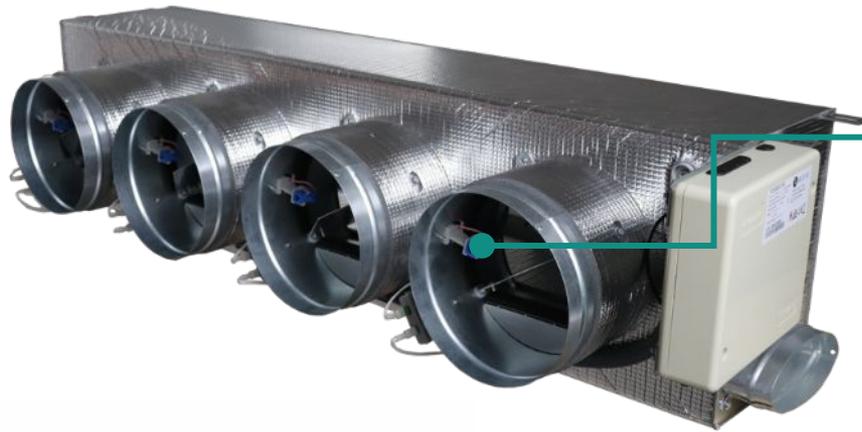
control system and communications gateway

Controls up to 8 zones (8 outputs for motor control and ionizer)
Communications coverage, improved radio



Easyzone IAQ

All-in-one Plug&Play solution for ducted systems



- **Control system and communications gateway**
- **Purification system based on gated ionizers**

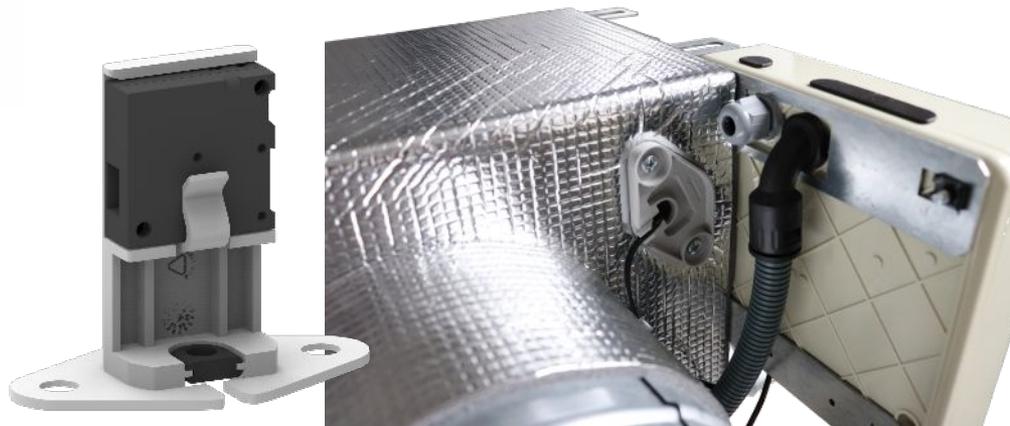


Easyzone IAQ

All-in-one Plug&Play solution for ducted systems



- **Control system and communications gateway**
- **Purification system based on gated ionizers**
- **Particle sensor** integrated in the plenum. Detection of floating particles in the air (smoke and fumes, dust, etc.)



Easyzone IAQ

All-in-one Plug&Play solution for ducted systems



- **Control system and communications gateway**
- **Purification system based on gated ionizers**
- **Particle sensor** integrated in the plenum.
- Thermostat and Airzone Cloud **air purification control.**
- **Insulated plenum adapted to each indoor unit**
- **3 models available (Standard, Medium, Slim)**
- **VMC input (Standard and Slim models)**

Easyzone IAQ



Easyzone Plenum
(IAQ)

Presentation

AIRZONE

Interfaces

Air-quality information on screensaver and main screen. (Blueface and Think)

1

Air quality:

- Good (below 25 $\mu\text{g}/\text{m}^3$ by default).
- Average (between 25 and 50 $\mu\text{g}/\text{m}^3$ by default).
- Low (above 50 $\mu\text{g}/\text{m}^3$ by default).



Interfaces

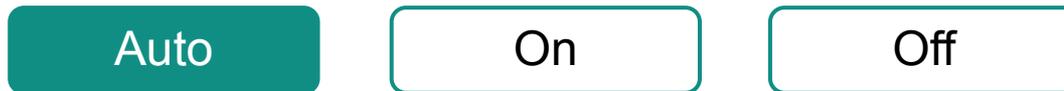
- 2 Ionization activation control per zone (user configuration). (Blueface and Think).

Auto On Off



Interfaces

2 Ionization activation control per zone (user configuration). (Blueface and Think).



The purification is activated when:

- The zone has a demand for air
- Indoor Air Quality (IAQ) measured by the particle sensor is not Good

The zone halts purification automatically when it has had a Good IAQ measurement

The system has the Auto option by default for all zones.

Interfaces

- ② Ionization activation control per zone (user configuration). (Blueface and Think).

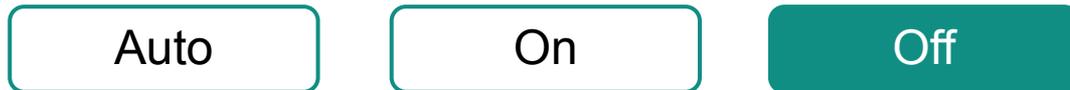


Purification will always be on as long as there is a demand for air in the zone.

The system has the Auto option by default for all zones.

Interfaces

- ② Ionization activation control per zone (user configuration). (Blueface and Think).



Purification will never be activated.

The system has the Auto option by default for all zones.



INSTALLATION

Installation



Assembly



Connection



Evaluation



Assembly

General requirements



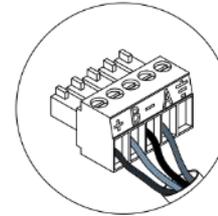
Qualified technician



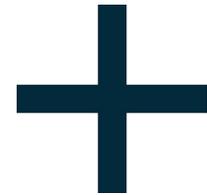
No power



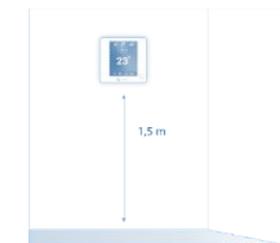
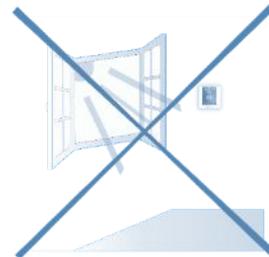
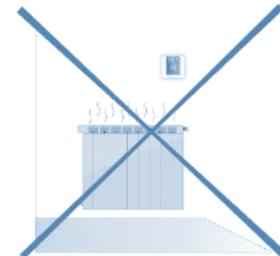
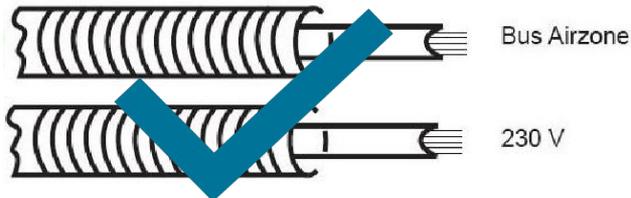
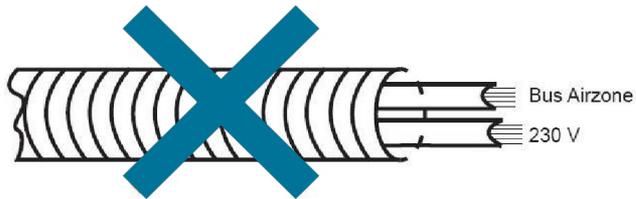
Current regulations



Airzone cable



Polarity

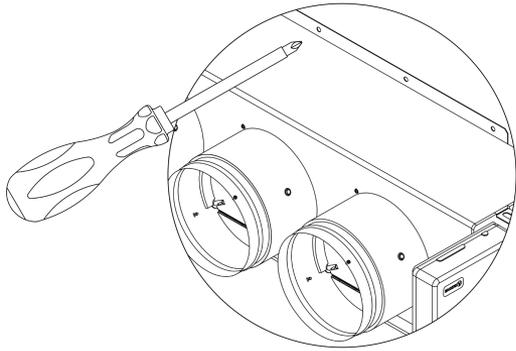




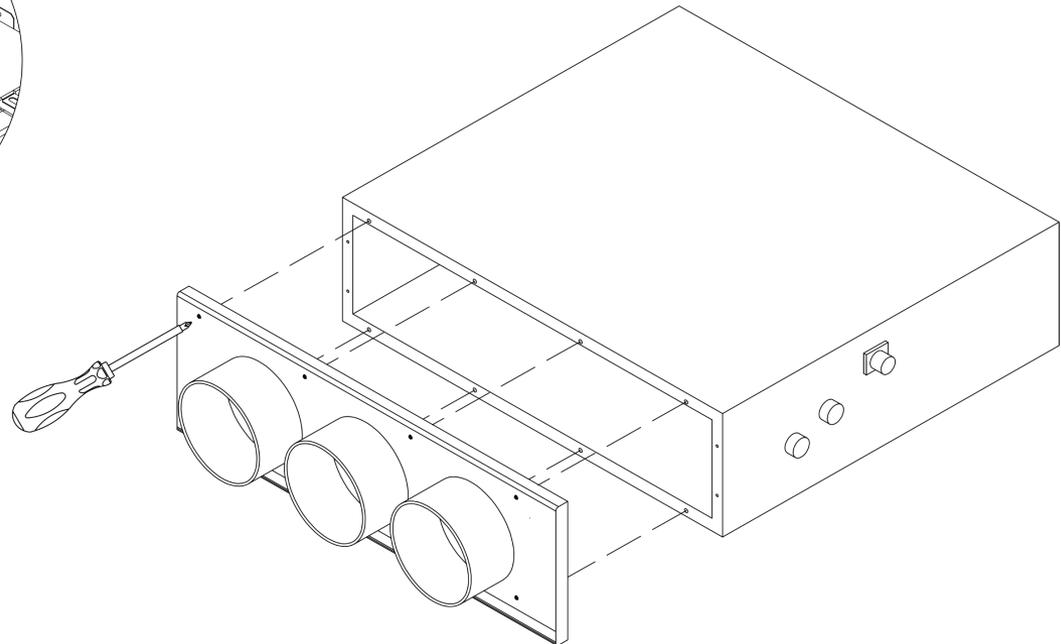
Assembly

Assembly in the indoor unit

1 Locate holes



Remove circular adapter
(if the unit has it)

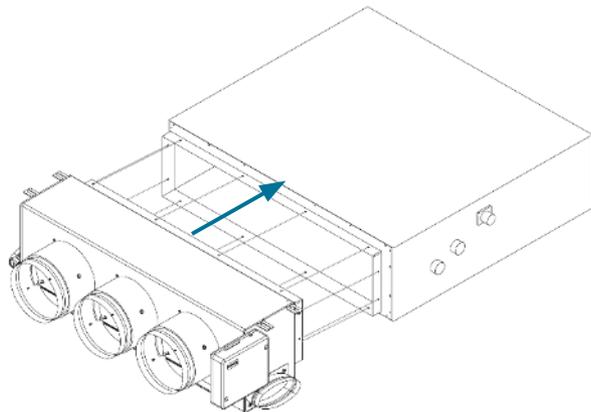




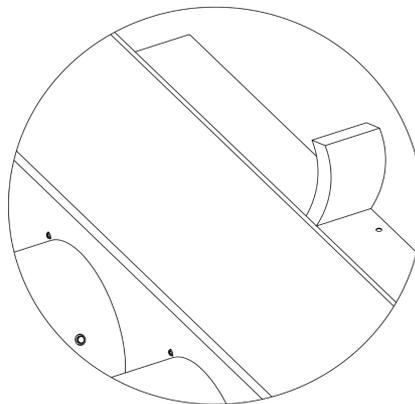
Assembly

Assembly in the indoor unit

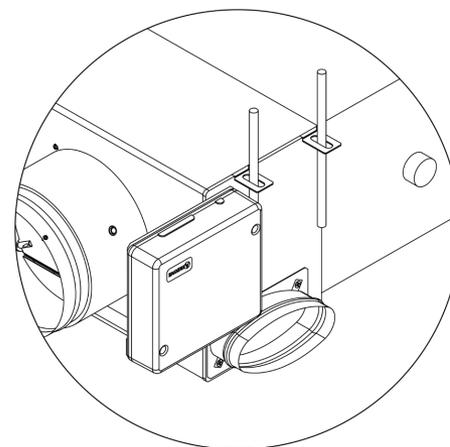
2 Place and fix



3 Insulate



4 Fix to ceiling



Strips of 25 mm thick insulation material (glass wool or polyethylene foam).

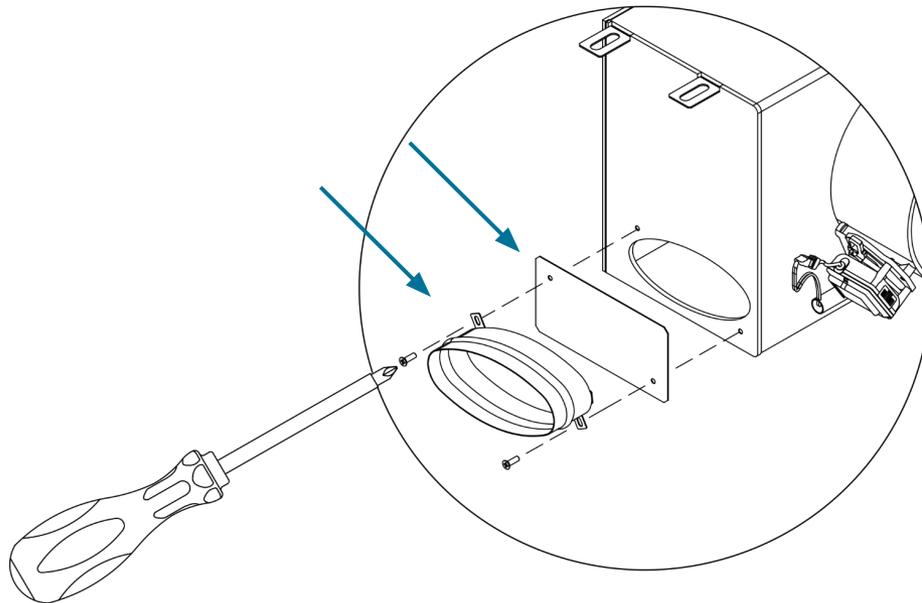


Assembly

Fresh air intake

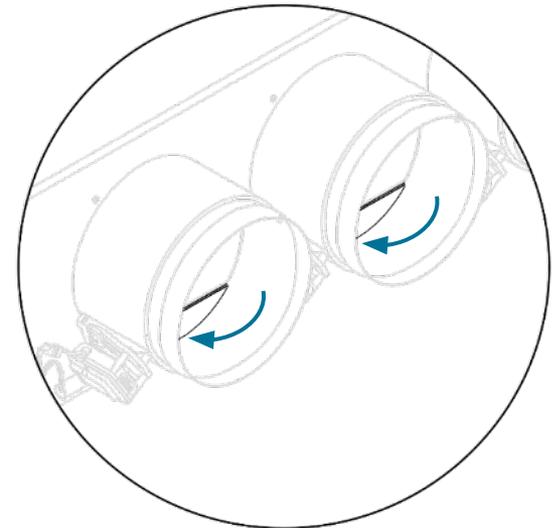
1

Remove neck



2

Remove protection



3

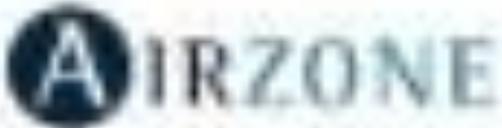
Cut lids

Easyzone IAQ



Easyzone Plenum
(IAQ)

installation



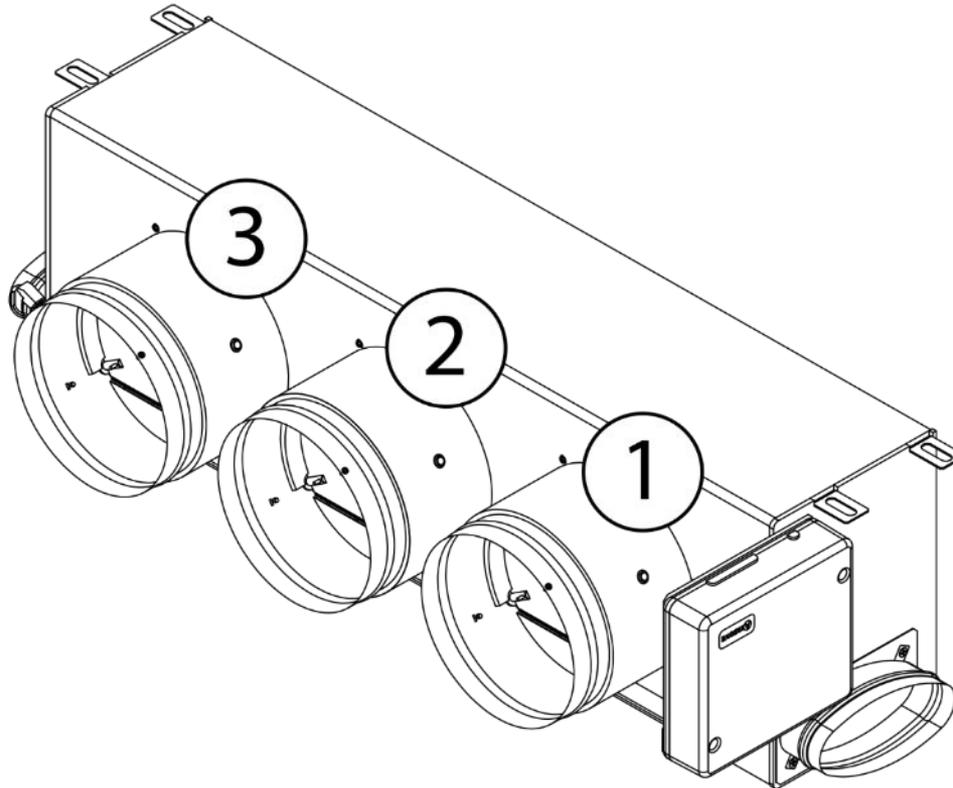


Assembly



Remember!

The motorized elements are numbered the following way:



Easyzone IAQ



Easyzone Plenum
(IAQ)

Connections:

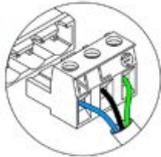
AIRZONE



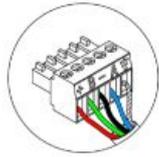
Connection

Wiring diagram

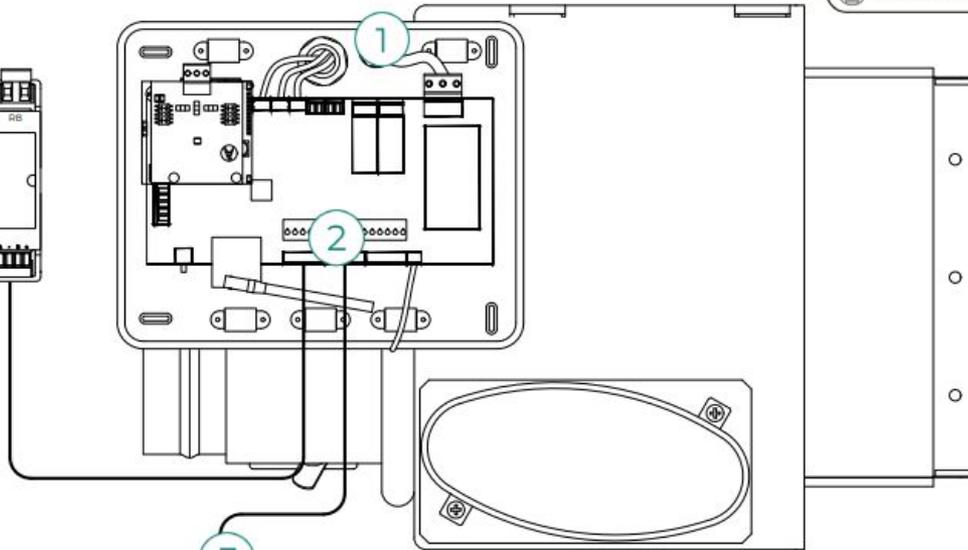
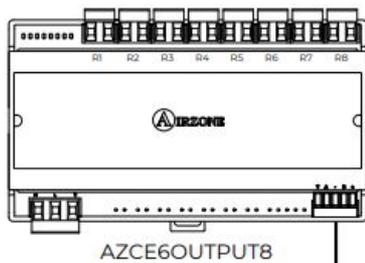
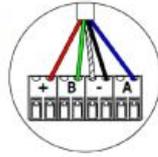
1



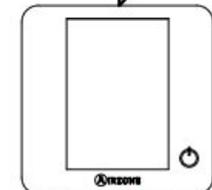
2



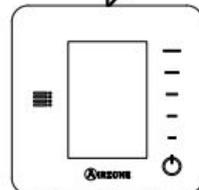
3



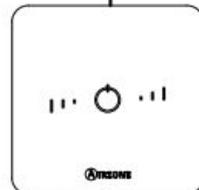
3 AZX6CABLEBUS



AZCE6BLUEFACEC



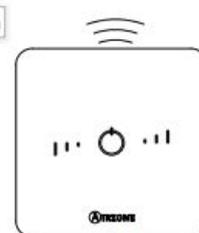
AZCE6THINKC



AZCE6LITEC



AZCE6THINKR



AZCE6LITER

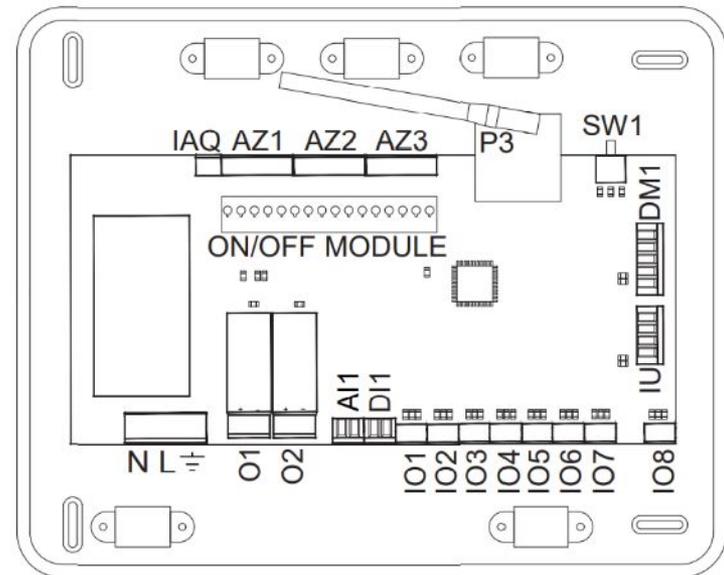
	Azul	Blue	Azul	Bleu	Blu	Blau
	Negro	Black	Negro	Noir	Nero	Schwarz
	Malla	Shield	Malha	Tresse de blindage	Calza	Schwarzer Kabelschirm
	Verde	Green	Verde	Vert	Verde	Grün
	Rojo	Red	Vermelho	Rouge	Rosso	Rot

	Neutro	Neutral	Neutre	Neutro	Neutro	Neutralleiter
	Fase	Phase	Phase	Fase	Fase	Phase
	Tierra	Ground	Terre	Terra	Terra	Schutzleiter

Connection

Main control board

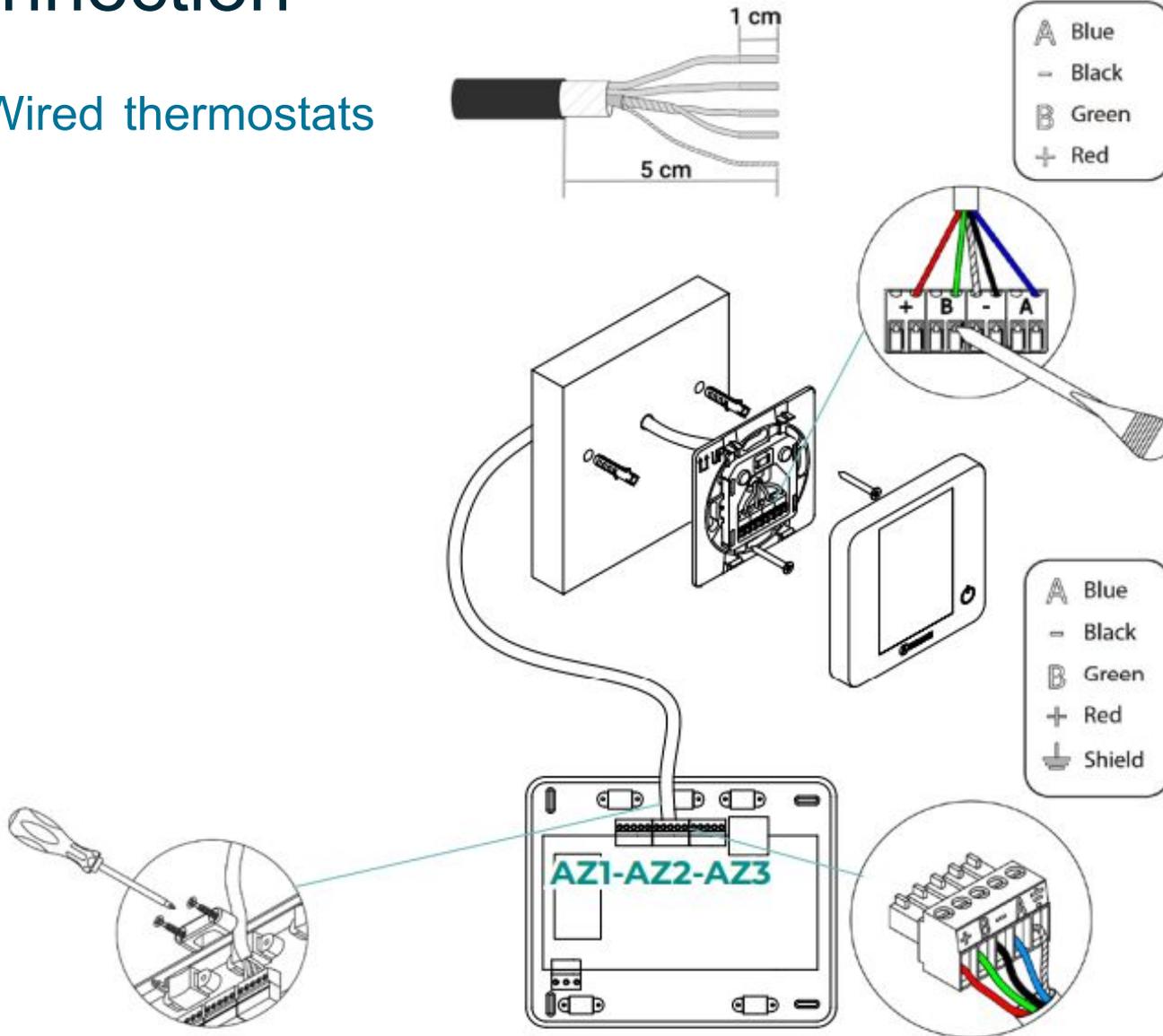
- IAQ : connection with particle sensor
- AZ1, AZ2, AZ3... Connection with thermostats
- P3 : improved radio antenna
- SW1 : reset and open radio channel
- Module ON/OFF : off in each zone by dry contact
- DM1 : Home automation bus, interconnection of several systems to manage them through peripheral controls
- UI : connection with the communication gateway (already connected)





Connection

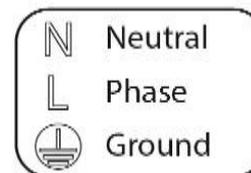
Wired thermostats



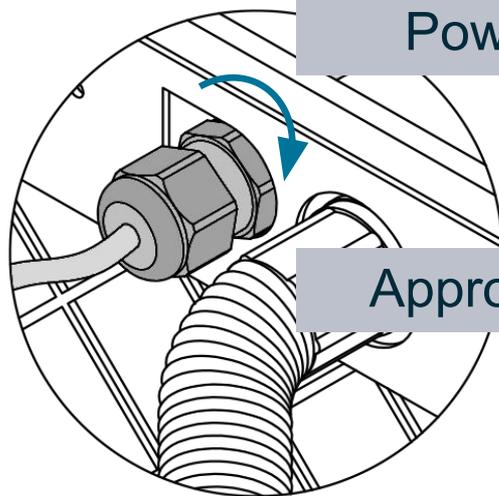


Connection

Powering the system



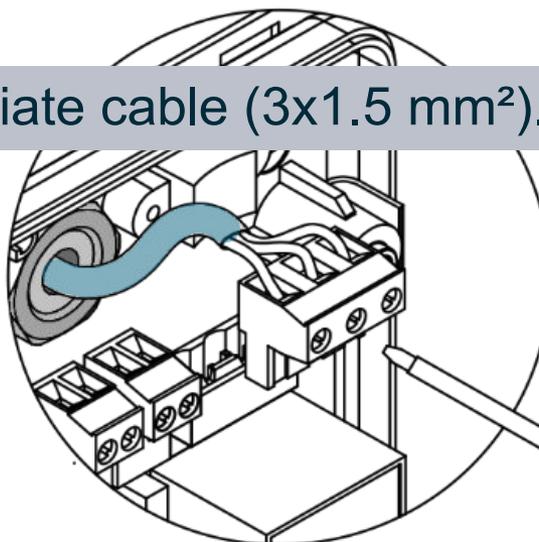
- 1 Loosen the cable gland



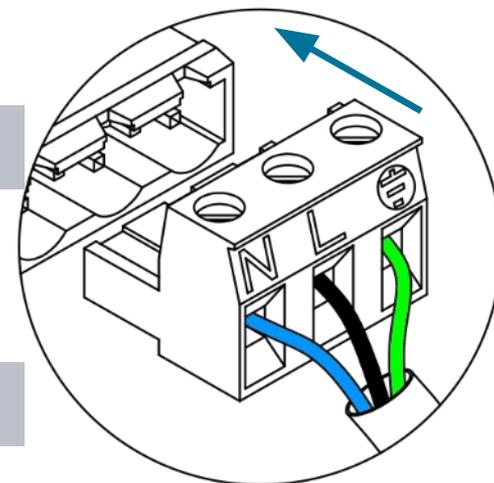
Power input: 110 / 230 VAC.

- 2 Insert the cable

Appropriate cable (3x1.5 mm²).



Hole (Ø5-10 mm)

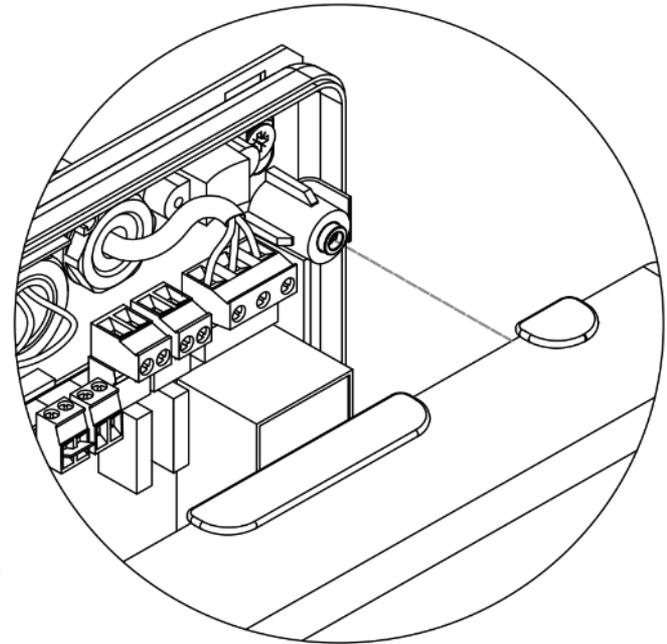
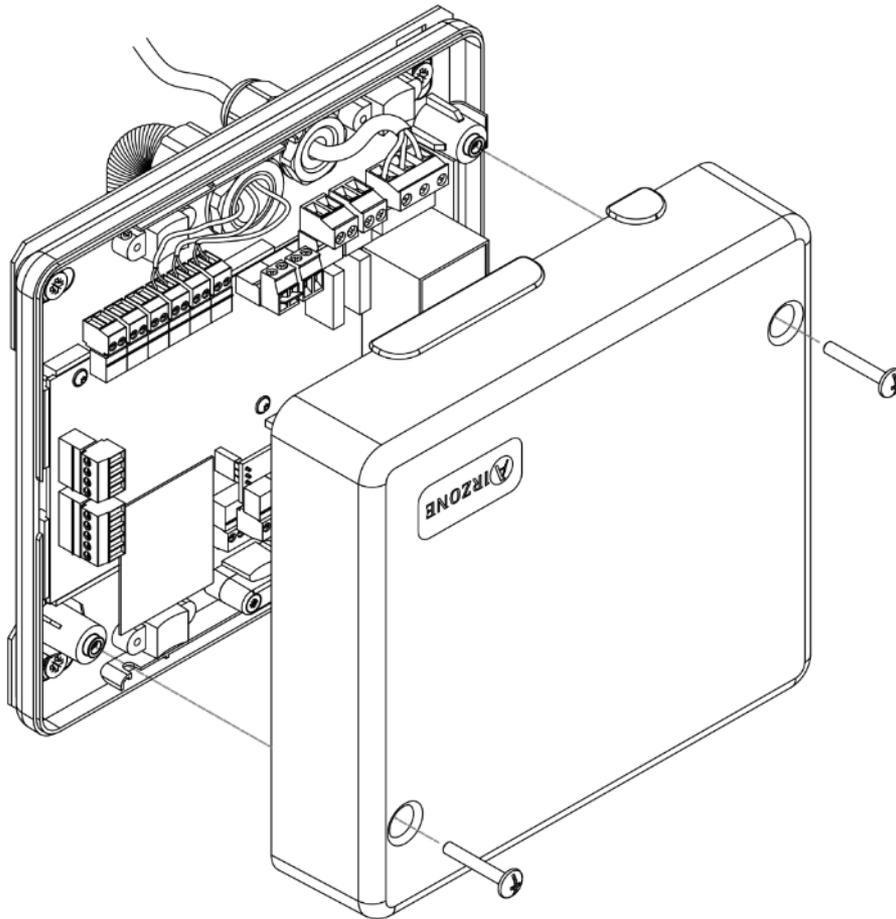


- 3 Connect to the terminal



Connection

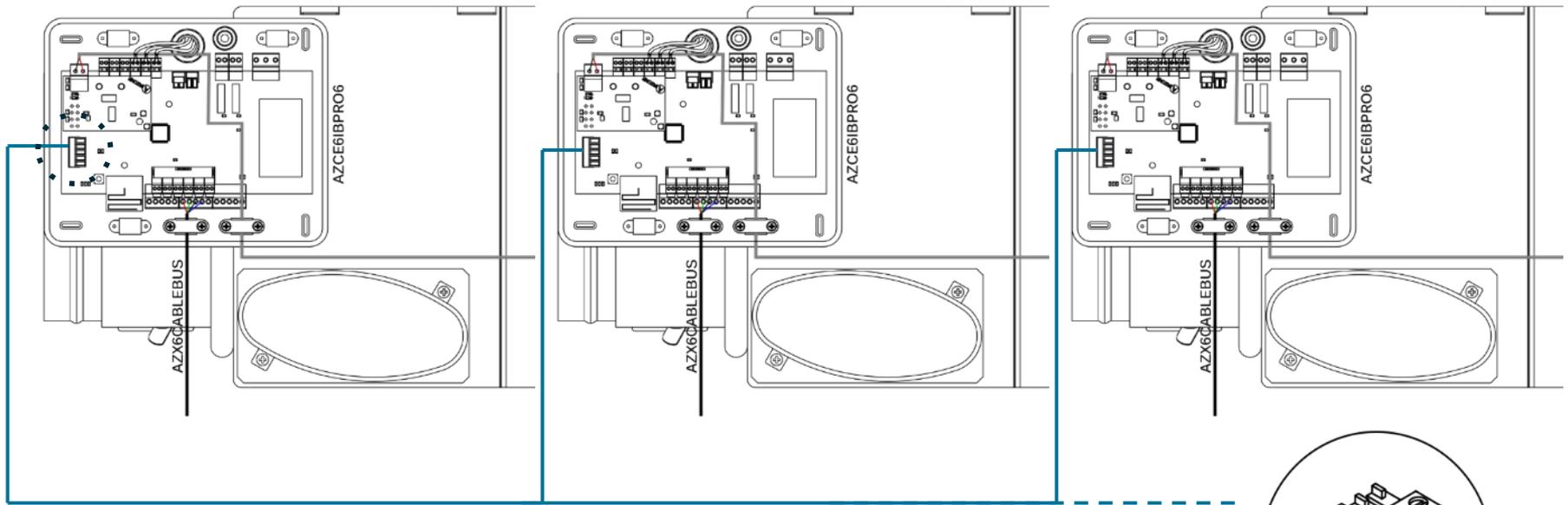
Replace the cover



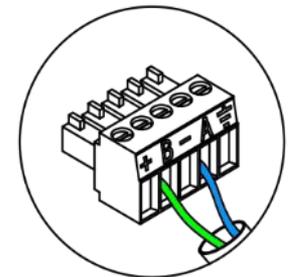


Connection

Multiple Easyzone Systems



CABLEBUS

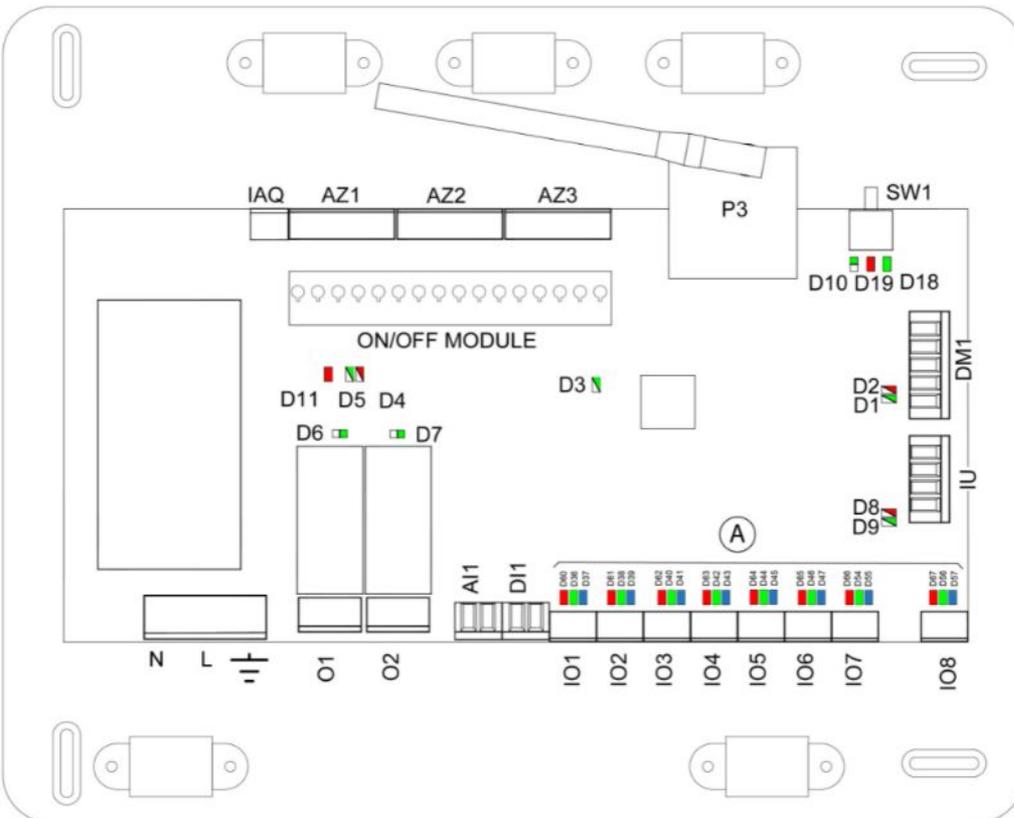


2 x 0.22 mm²



Evaluation

Main control board



Status of main control board LEDs when operating properly.

D1	Data reception from automation bus	Blinking	Green
D2	Data transmission from automation bus	Blinking	Red
D3	Main control board activity	Blinking	Green
D4	Data transmission from Airzone connection bus	Blinking	Red
D5	Data reception from Airzone connection bus	Blinking	Green
D6	AC unit On/Off	Blinking	Green
D7	CMV/Boiler	Blinking	Green
D8	Data transmission from AC unit bus	Blinking	Red
D9	Data reception from AC unit bus	Blinking	Green
D10	Wireless data packets reception	Switches	Green
D11	Main control board power supply	Fixed	Red
D18	Associated element	Fixed	Green
D19	Association channel: active	Fixed	Red
	Open dampers	On	Green
	Close dampers	On	Red
	Purifier activated	Fixed	Blue

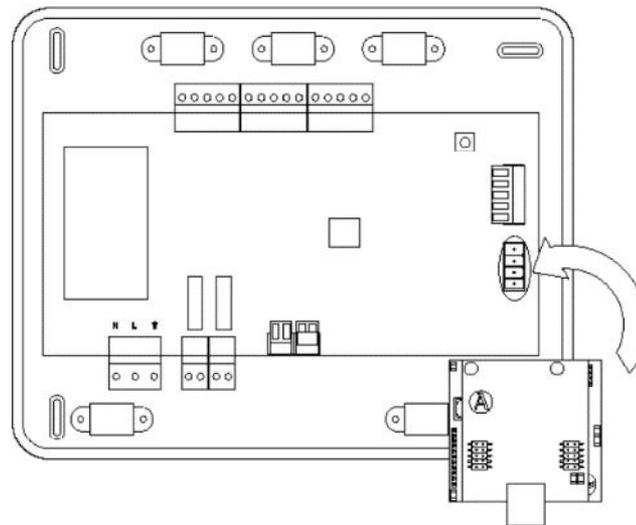
AC Unit Integration

Communication Gateway

Perfect integration with indoor units

Exclusive device that integrates the indoor AC unit with the Airzone control system.

- On/Off
- Mode (Stop/Ventilation/Cooling/Heating)
- Dynamic control of fan speed
- Dynamic control of set-point temperature



MHI-Airzone gateway

Communication Gateways

Element that fully integrates MHI AC units and Airzone systems, enhancing the performance of the installation.

Some available parameters for each gateway are:

Parameters	AZX6GTCMHI
On/Off	W/R
Set point	W/R
Operation mode	W/R
Fan speed	W/R
Return temperature	W/R
Error code	R
Master control	Yes



AZX6GTCMHI

MIDEA-Airzone gateway

Communication Gateways

Element that fully integrates Midea AC units and Airzone systems, enhancing the performance of the installation.

Some available parameters for each gateway are:

Parameters	AZX6GTCMHI	AZX6GTCHIT/3
On/Off	W/R	W/R
Set point	W/R	W/R
Operation mode	W/R	W/R
Fan speed	W/R	W/R
Return temperature	W/R	R
Error code	R	R
Master control	Yes	-



AZX6QADAPT3MD1



AZX6GTCMD2

MIDEA-Airzone gateway

Communication Gateways

Element that fully integrates Midea Air to water HP units and Airzone systems, enhancing the performance of the installation.

Some available parameters for each gateway are:

Parameters	AZX6QADAPT3MD 3
Ambient	R
LWT(leaving water T.)	R/W
DHW	R/W
Fan speed	W/R
Return	R
Error code	R
Master control	-



AZX6QADAPT3MD3

MIDEA-Airzone gateway

Communication Gateways

Element that fully integrates Midea AC units and Airzone systems, enhancing the performance of the installation.

Some available parameters for each gateway are:

Parameters	AZX6GTCMHI	AZX6GTCHIT/3
On/Off	W/R	W/R
Set point	W/R	W/R
Operation mode	W/R	W/R
Fan speed	W/R	W/R
Return temperature	W/R	R
Error code	R	R
Master control	Yes	-

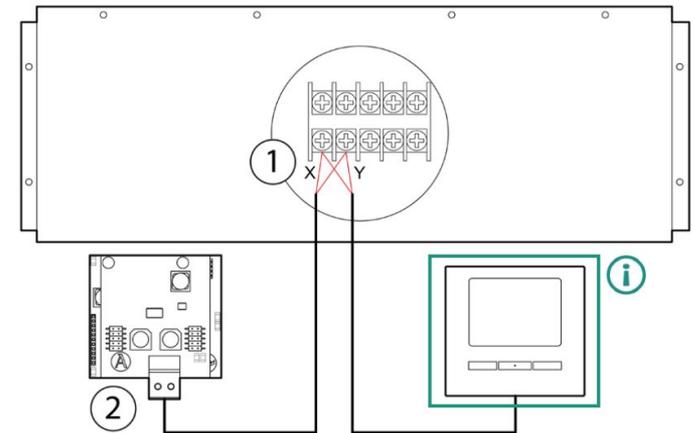


AZX6GTCLGE

Mitsubishi Heavy-Airzone gateway

AZX6GTCMHI - AIRZONE- MITUBISHI HEAVY INDUSTRIES COMMUNICATION GATEWAY

- 1) Disconnect the indoor unit and the Airzone system.
- 2) Find the XY connector among the electronic components of the indoor unit and connect the Airzone gateway to this port using the cable supplied.
- 3) Power the Mitsubishi Heavy indoor unit and the Airzone system. Check the gateway LEDs.



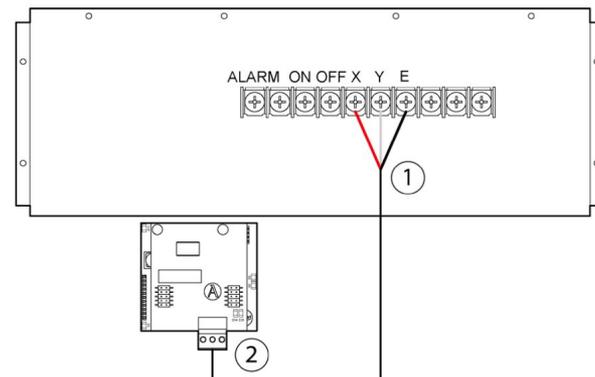
AZX6GTCMHI

 *The use of the Mitsubishi Heavy Thermostat is optional. In case of using the thermostat, to select the temperature of the system as operating temperature, it is necessary to set as Sub the Mitsubishi Heavy thermostat at the start-up process.*

Midea V5-Airzone gateway

AZX6QADAPT3MD1 - AIRZONE-MIDEA V5 PROTOCOL GATEWAY

- 1) Disconnect the power supply of the indoor unit and the Airzone system.
- 2) Find the X Y E connection of the indoor unit.
- 3) Connect the Airzone Gateway to the X Y E port of the unit. Respect the polarity. X-Red, Y-Gray, E-Black.
- 4) Power the indoor unit and the Airzone system. Check the gateway LEDs.

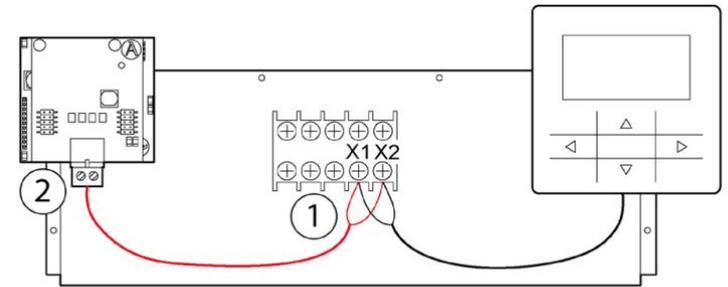


AZX6QADAPT3MD1

Midea V6-Airzone gateway

AZX6GTCMD2 - AIRZONE- MIDEA V6 PROTOCOLCONTROLLER 3.0 GATEWAY

- 1) Disconnect the power supply of the indoor unit and the Airzone system.
- 2) Find the X1 X2 connection of the indoor unit (where the thermostat is connected).
- 3) Connect the Airzone Gateway to the X1 X2 port of the unit using the cable supplied by Airzone.
- 4) Power the indoor unit and the Airzone system. Check the gateway LEDs.



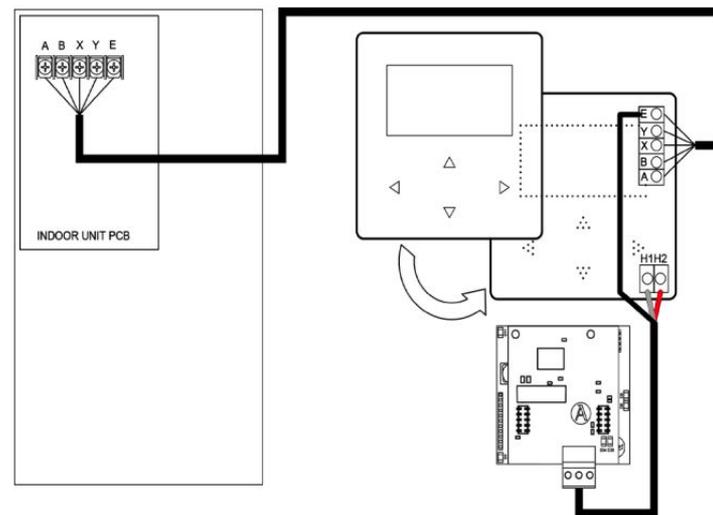
AZX6GTCMD2

****Only compatible with WDC-120G/WK
RC OR EQUIVALENT***

MIDEA M-THERMAL-Airzone gateway

AZX6GAWMD3 - AIRZONE- MIDEA M-THERMAL AIR TO WATER HP GATEWAY

- 1) Starting from the default configuration, set the indoor unit as Master with address 1 by accessing installer menu 17. HMI ADDRESS SET and configuring HMI SET = MASTER, HMI ADDRESS FOR BMS = 1.
- 2) Configure the unit to work in water flow temperature mode by accessing 5. TEMP TYPE SETTING and setting 5.1 WATER FLOW TEMP = YES, 5.2 ROOM TEMP = NO, 5.3 DOUBLE ZONE = NO.
- 3) In the installer menu, set 6. ROOM THERMOSTAT = NO.
- 4) Disconnect the power supply from the unit and the Airzone system.
- 5) Locate the H1-H2 and A-B-X-Y-E terminals located on the back of the unit's wired thermostat. Connect the Airzone gateway using the cable supplied: connect the red wire to terminal H2, the gray wire to terminal H1 and the black wire to terminal E.
- 6) Connect the indoor unit and the Airzone system to the power supply. Check the gateway's LEDs.

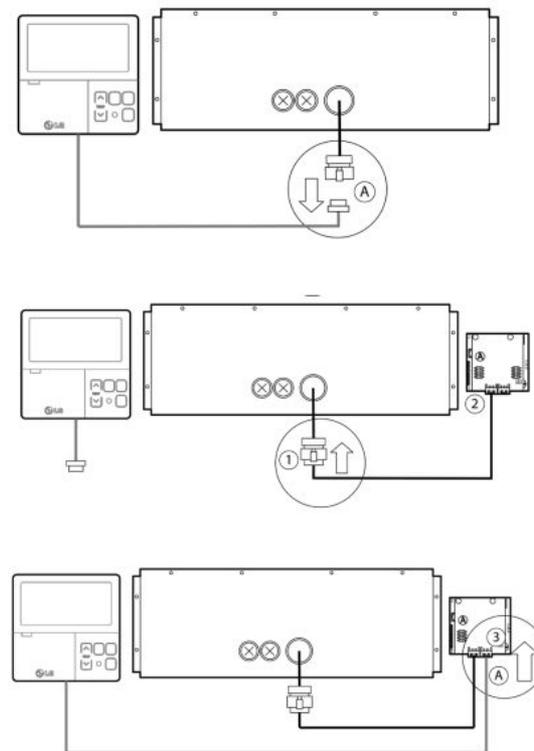


AZX6GAWMD3

LG-Airzone gateway

AZX6GTCLGE – AIRZONE - LG CONTROLLER 3.0 GATEWAY

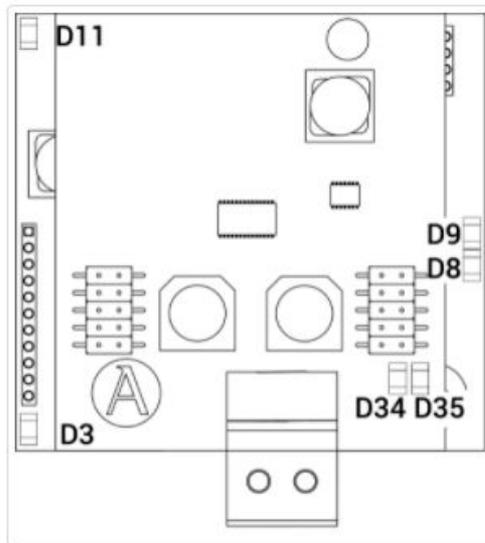
- 1) Set as operating temperature the measurement of the LG thermostat probe, access the installer setting and set the value 3 in the function 4 (refer to the installation manual of the thermostat).
- 2) Disconnect the power supply of the indoor unit and the Airzone system.
- 3) Find the connector where the thermostat is connected with the indoor unit and disconnect the LG thermostat.
- 4) Connect the cable supplied by Airzone to the indoor unit.
- 5) Connect the thermostat with the LG gateway. Important: For ZVAFCB2LGE, the indoor unit's thermostat must stay disconnected.
- 6) Power the indoor unit and the Airzone system. Check the gateway LEDs.



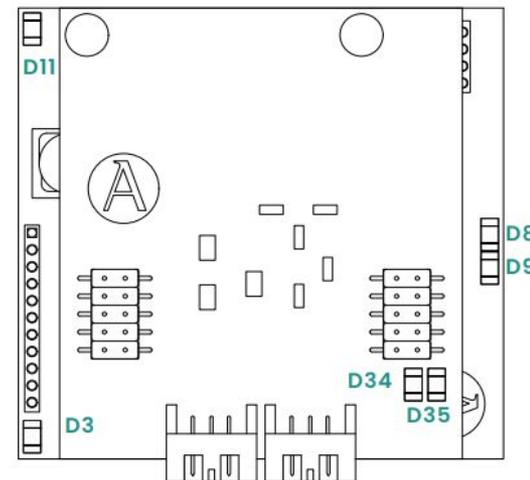
AZX6GTCLGE

HITACHI-Airzone gateway

D3	Micro controller activity	Blinking	Green
D8	Data transmission to the Airzone system	Blinking	Red
D9	Data reception from the Airzone system	Blinking	Green
D11	Gateway power supply	Steady	Red
D34	Data transmission to the indoor unit	Blinking	Red
D35	Data reception from the indoor unit	Blinking	Green



AZX6GTCMHI



AZX6QADAPT3GR1

Relays

Control Logic

CMV/Boiler connector

This output can be configured as controlled mechanical ventilation control or boiler control. (See Blueface *Advanced Configuration Menu, system parameters*)

CMV configuration

Status	Stop	Ventilation	Cooling	Air heating	Heating radiant
Demand ON	CMV OFF	CMV ON	CMV ON	CMV ON	CMV ON
Demand OFF	CMV OFF	CMV ON	CMV ON	CMV ON	CMV ON

Boiler configuration

Status	Stop	Ventilation	Cooling	Air heating	Heating radiant
Demand ON	BOIL. OFF	BOIL. OFF	BOIL. OFF	BOIL. OFF	BOIL. ON
Demand OFF	BOIL. OFF	BOIL. OFF	BOIL. OFF	BOIL. OFF	BOIL. OFF

Relay specs: $I_{max} = 1$ A at 24/48 Vac, voltage-free. Note that to control elements with a greater power, it is recommended to use contactors in accordance with the power required.

AC Start-stop relay

This output is developed to start-stop AC units. Logic of operation of the output:

Status	Stop	Ventilation	Cooling	Air heating	Heating radiant
Demand ON	AC UNIT OFF	AC UNIT ON	AC UNIT ON	AC UNIT ON	AC UNIT OFF
Demand OFF	AC UNIT OFF				

Relay specs: $I_{max} = 1$ A at 24-48 Vac, voltage-free. Note that to control elements with a greater power, it is recommended to use contactors in accordance with the power required.



Configuration and Set Up Standard Configuration

Contents



Initial settings



Evaluation



Initial Settings

Blueface thermostat

1



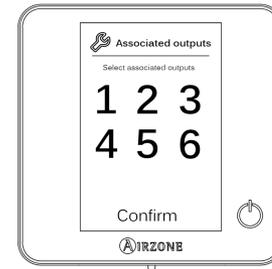
Language/Country

2



Zone address

3



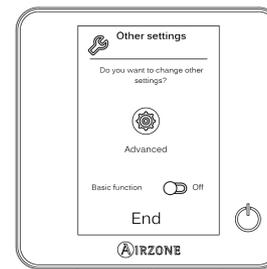
Associated outputs

4



Thermostat settings

5



Other settings



Initial Settings

Blueface thermostat

Screensaver

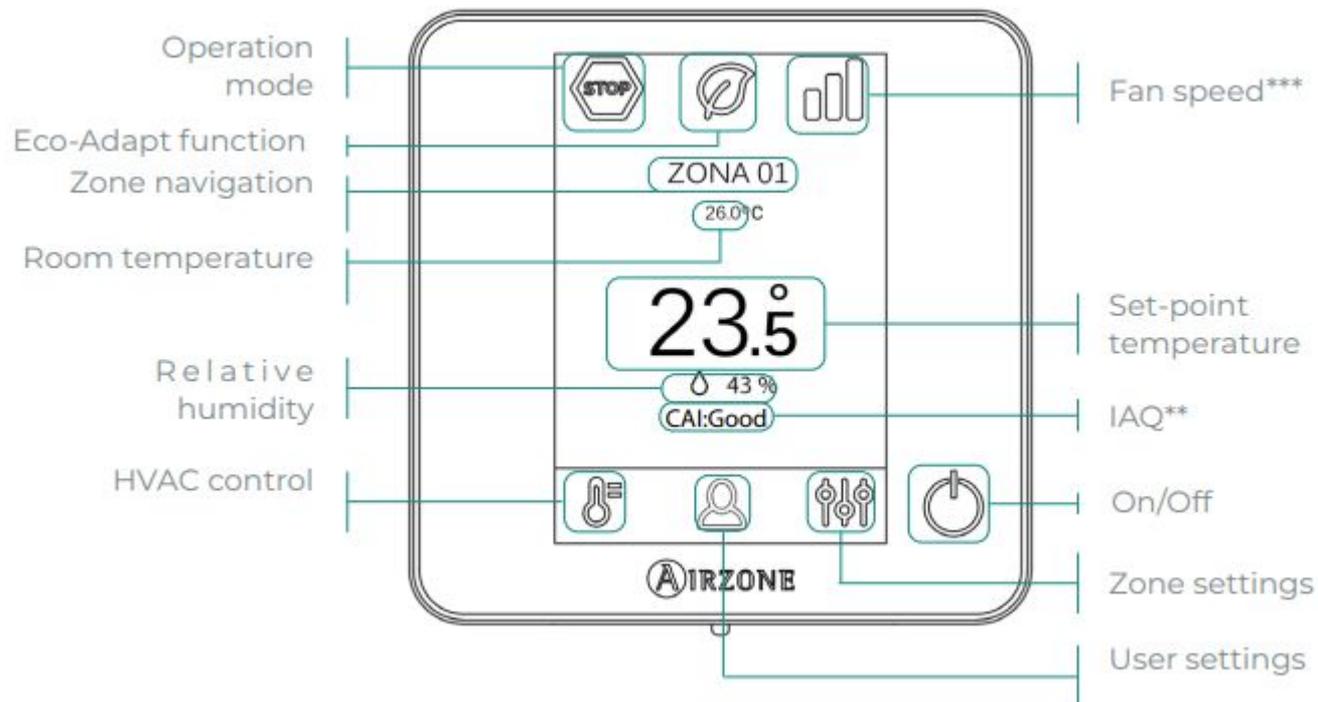




Initial Settings

Blueface thermostat

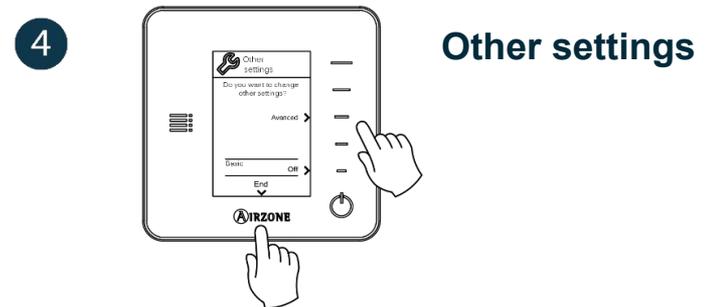
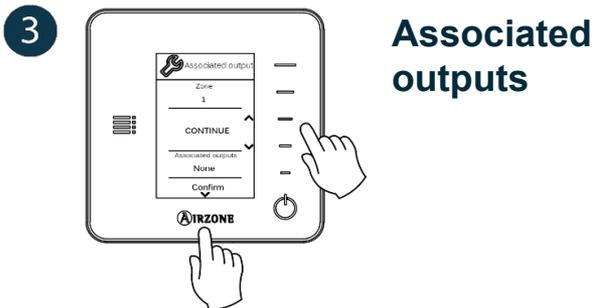
Main screen





Initial Settings

Wired Think thermostat



Important Use  to confirm and  to return

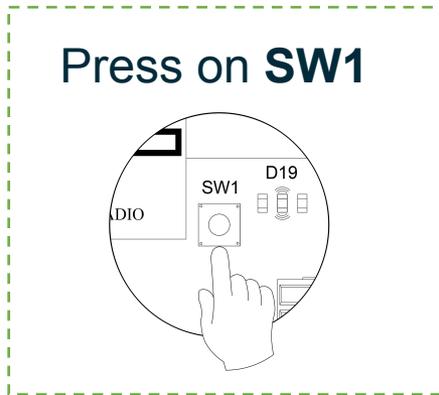


Initial Settings

Wireless Think thermostat



Open the radio association channel to link your wireless thermostats.

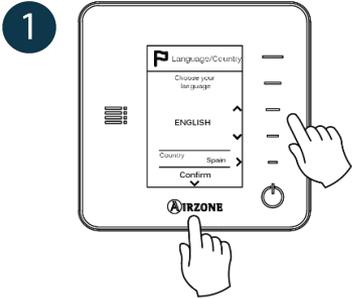


- 1** Press and hold: The screen shows 'ZONE 01' with a temperature of 23.5 and 30% humidity. A hand is shown pressing and holding the Wi-Fi icon at the bottom.
- 2** Draw unlock pattern: The screen shows 'Advanced settings' with a prompt 'Enter correct pattern'. A hand is shown drawing a downward arrow pattern.
- 3** Select System: The screen shows 'Advanced settings' with a prompt 'Select the parameters you want to configure'. The 'System' option is circled.
- 4** Search and select the radio association window setting: The screen shows 'System advanced' settings. The 'Radio channel' option is circled.
- 5** Select Open and Confirm: The screen shows 'Radio channel' with 'Wireless module activation' and 'Closed' circled. A 'Confirm' button is also circled.

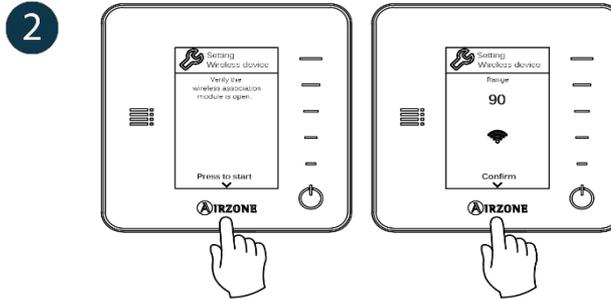


Initial Settings

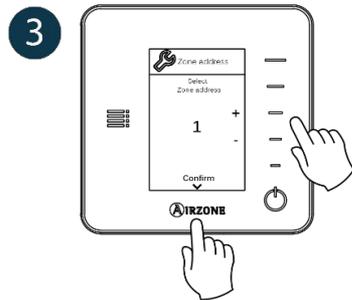
Wireless Think thermostat



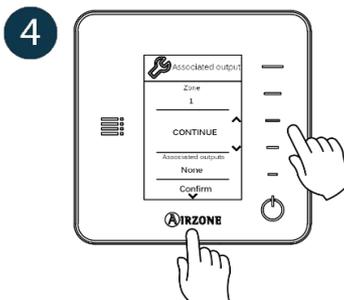
Language/Country



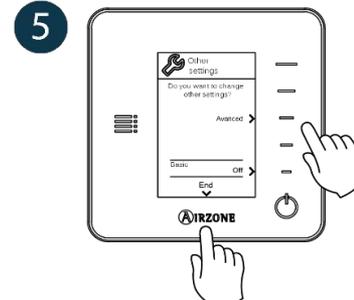
Set up wireless device



Zone address



Associated outputs



Other settings

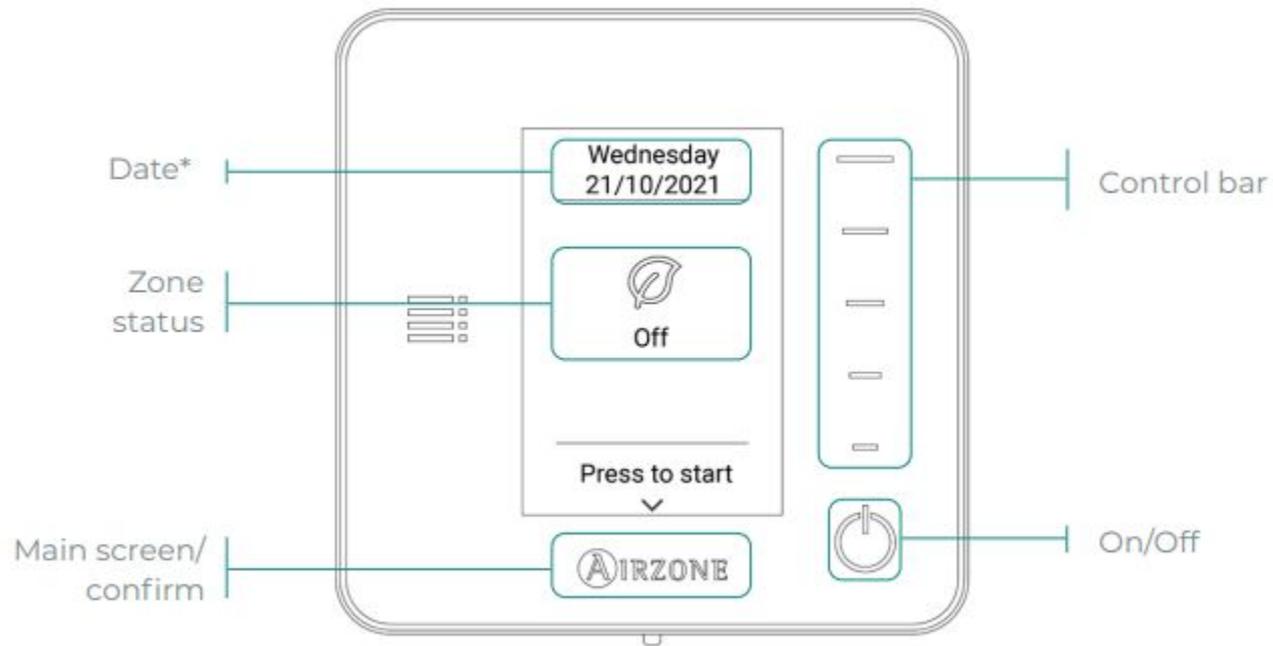
Important Use  to confirm and  to return



Initial Settings

Think thermostat

Screensaver



Important: The Airzone Think thermostat works with capacitive buttons. It does not have a touchscreen.
To access the main screen, press on the Airzone icon.

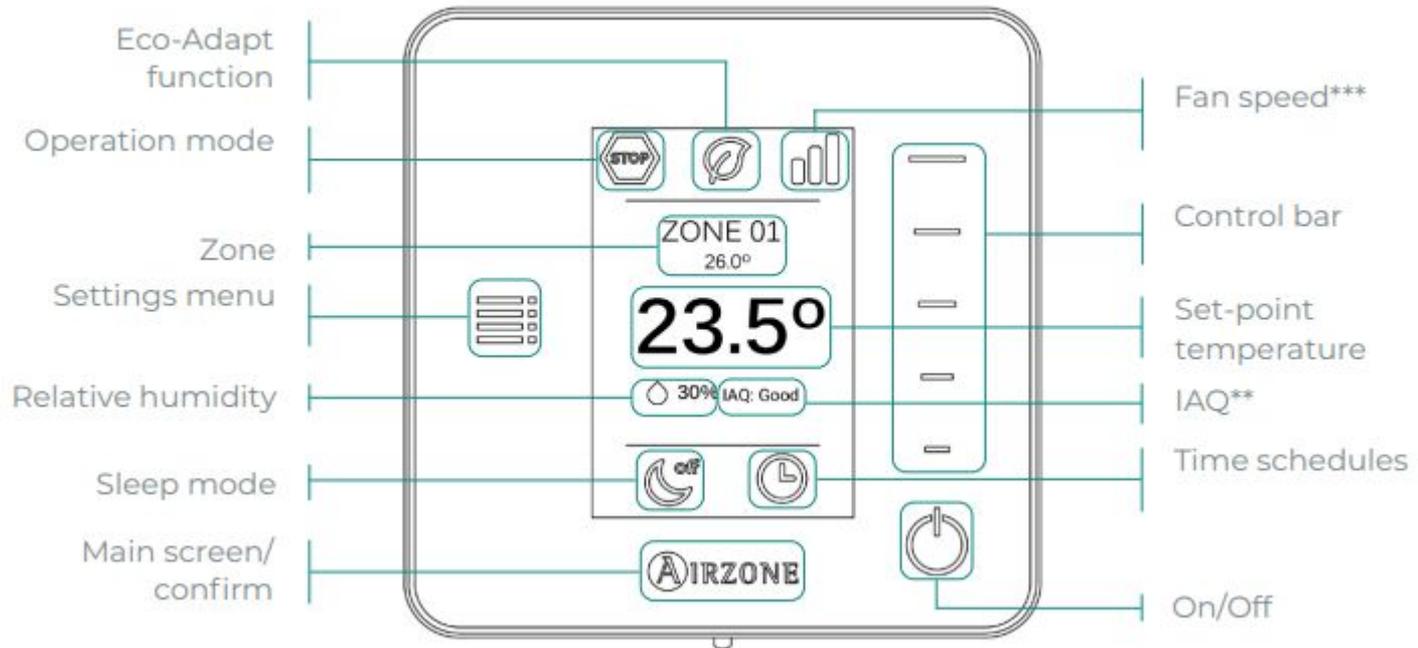


Initial Settings

Think thermostat

Main screen

Access the main screen by pressing "Airzone" from the screensaver:





Initial Settings

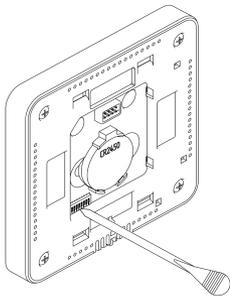
Wired/Wireless Lite thermostat



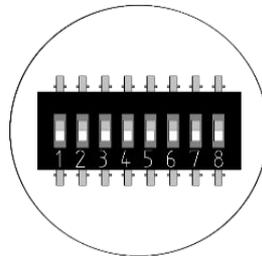
Ensure the radio association channel is open to link your wireless thermostats.

To set up a Lite thermostat you must remove it from its base. Once the microswitches are configured, put the thermostat back in its base.

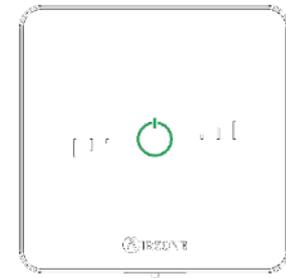
Zone address



Associated outputs



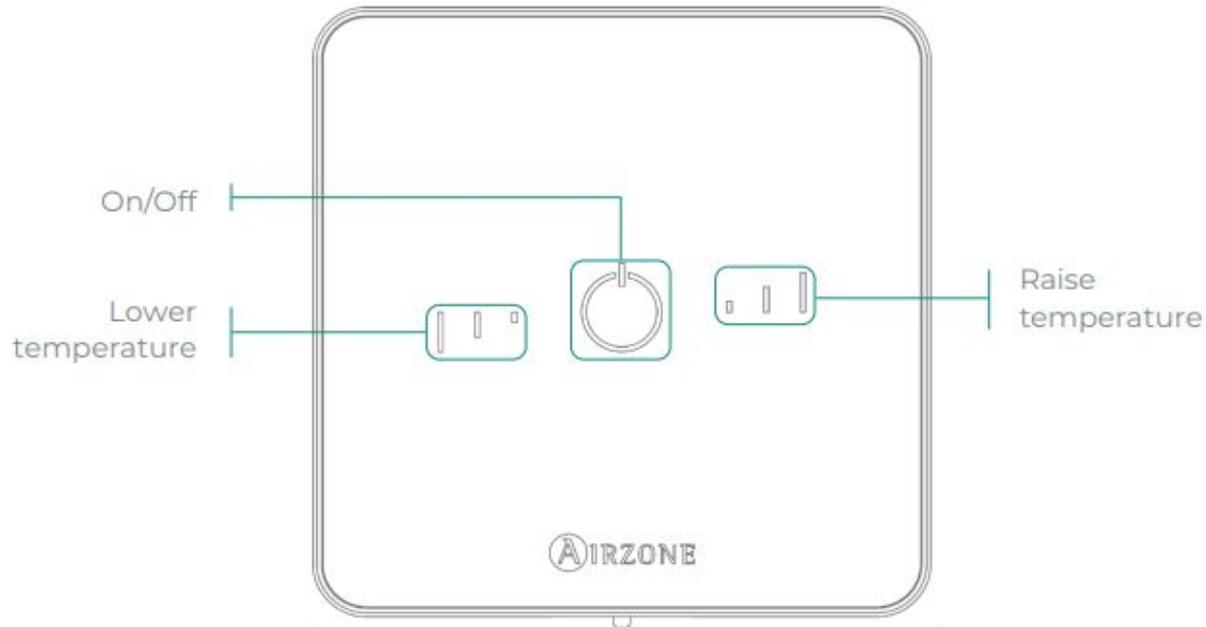
Other settings from the Blueface thermostat





Initial Settings

Lite thermostat



 **ON/OFF BUTTON**
STEADY: Zone turned on
BLINKING: Zone turned off

 **Purple: Stop mode**

 **Red: Heating mode**

 **Blue: Cooling, Ventilation or Dry**

 **Green: Demand satisfied**



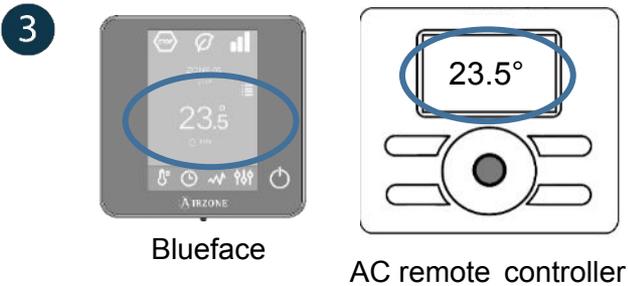
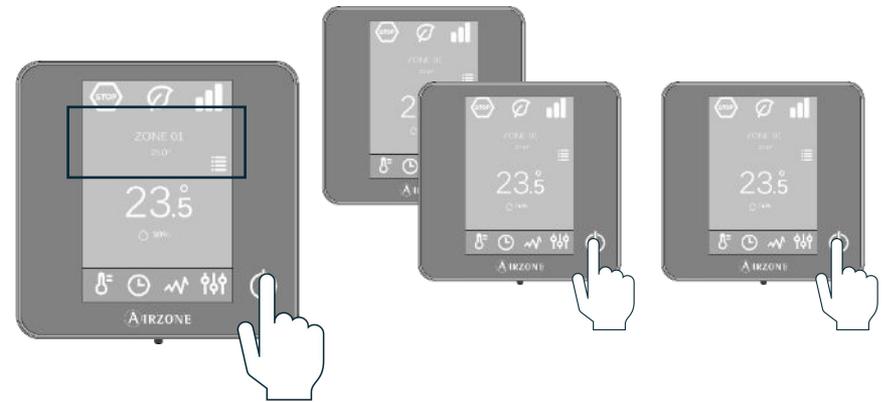
Evaluation

Check the following points:

✓ AC unit communication



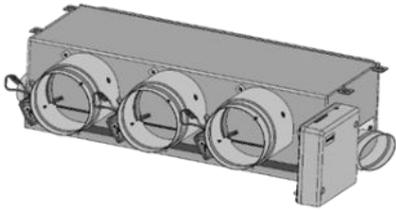
✓ Thermostat communication



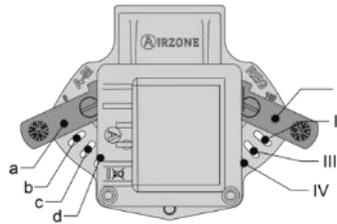
A top-down view of a wooden desk. On the desk, there are architectural blueprints, a black ruler, a pencil, and a light-colored notebook with a circular logo containing the letter 'A'. A blue chair is partially visible on the left side of the frame. The background is a light-colored wooden floor.

Airflow regulation

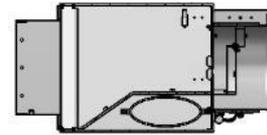
Content



Description



Airflow regulation device



Controlled mechanical ventilation

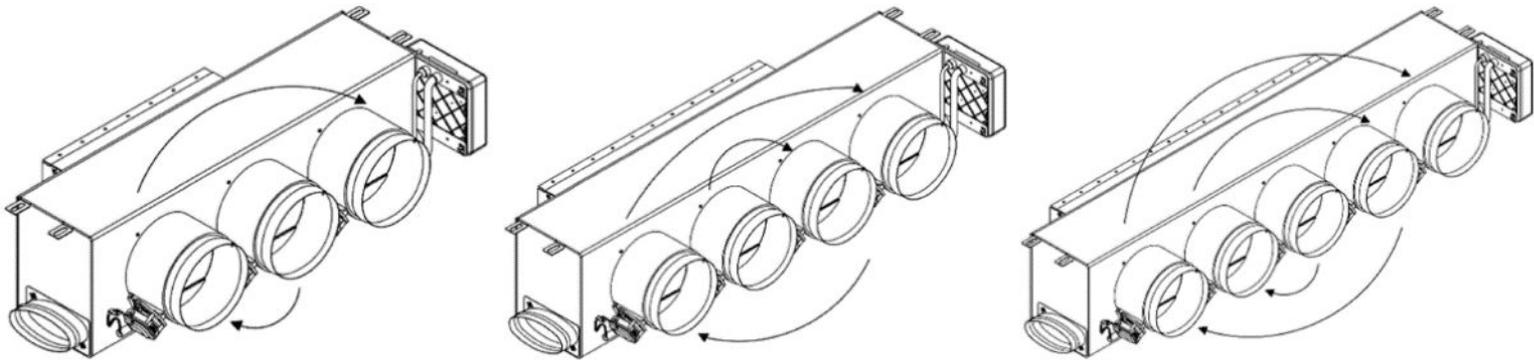


Recommendation

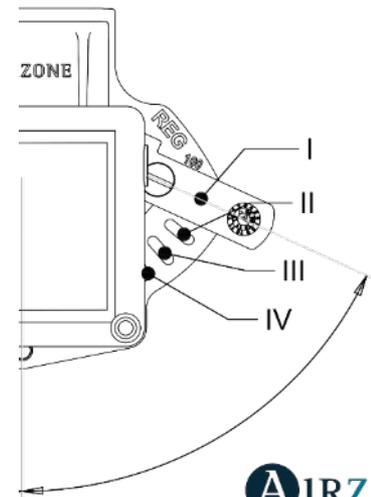
Functionalities – Air Flow regulation

Dampers settings – Flow adjustment (REG)

Important: Start adjusting the flow from the central dampers and finish off with damper 1.



1. Turn on and generate demand in all zones to open all the dampers.
2. Turn off the zone/damper to be adjusted.
3. Adjust the maximum opening you want with the REG lever (I/II/III/IV)
4. Turn on the zone and check the flow is correct.

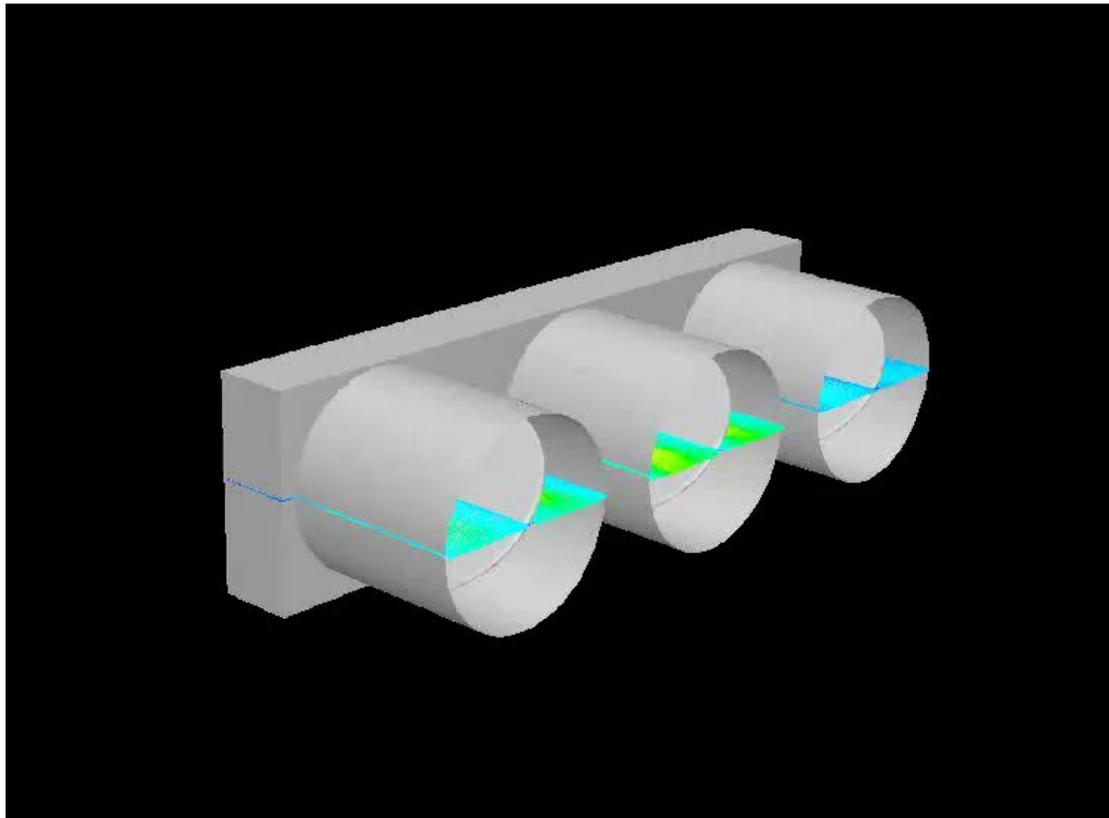


Airflow regulation with Easyzone

Description.

What is Easyzone?

- Plenum effect.

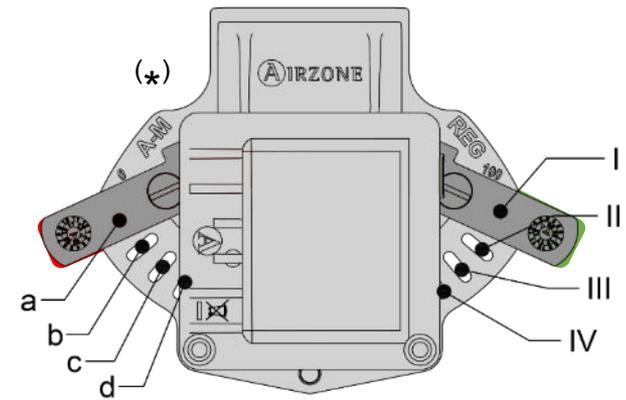
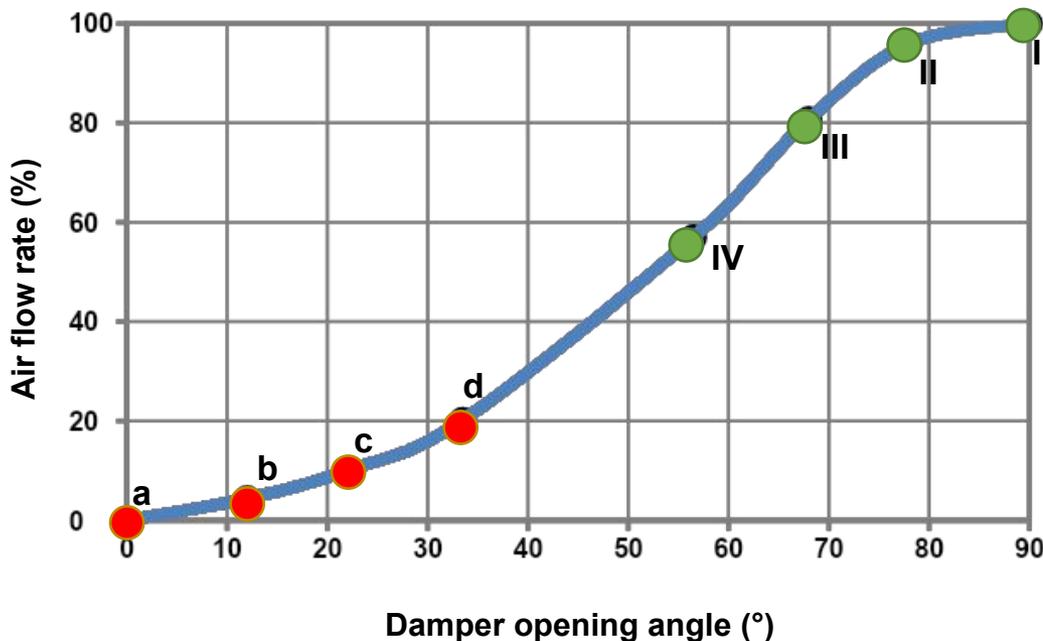


Airflow regulation with Easyzone

Airflow regulation device.

Functionality.

- REG → Balanced air distribution duct network.
- A-M → Minimum airflow.



(*) Publication number:

- Europe: EP 2837862 A1

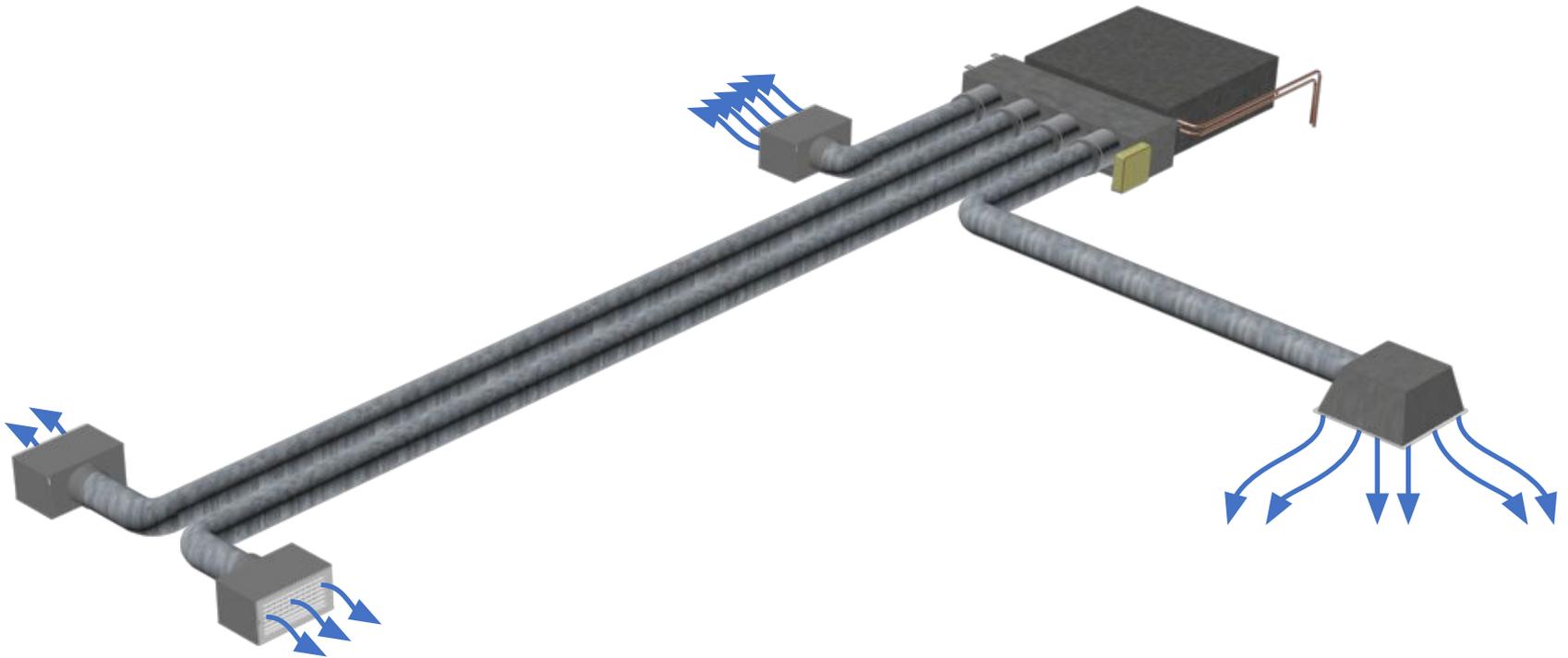
- USA: US 20150041698 A1

Airflow regulation with Easyzone

Airflow regulation device.

Functionality.

- REG → Balanced air distribution duct network.



Airflow regulation with Easyzone

Airflow regulation device.

Functionality.

- REG → Balanced air distribution duct network.

	Position I	Position II	Position III	Position IV
REG				
Damper	 90°	 78°	 68°	 56,5°

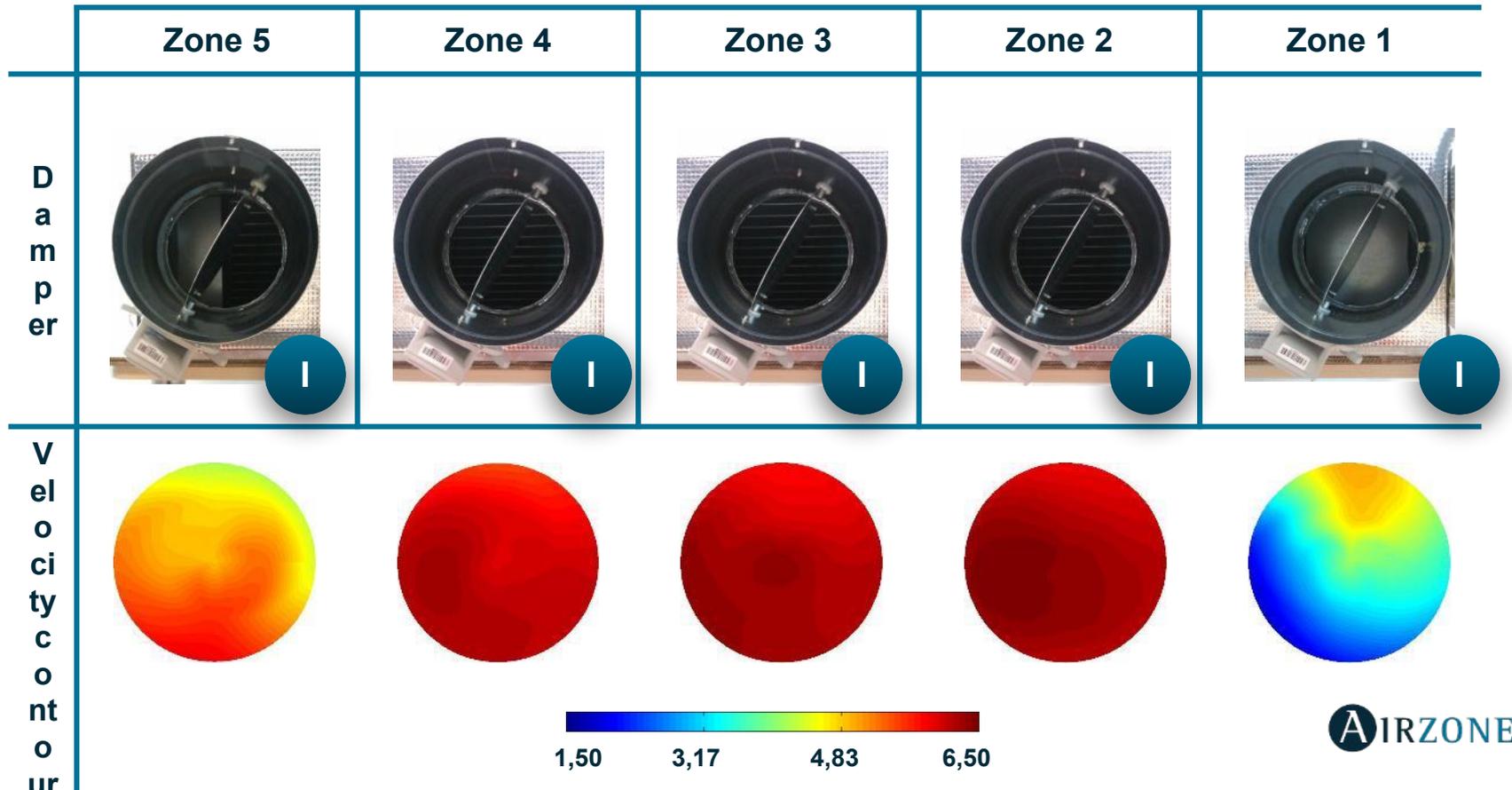


Airflow regulation with Easyzone

Airflow regulation device.

Functionality.

- REG → Balanced air distribution duct network.



Airflow regulation with Easyzone

Airflow regulation device.

Balanced air distribution duct network.

- Handling of the REG lever.



$$\Delta P_{\text{zone1}} \approx \Delta P_{\text{zone3}}$$



$$\Delta P_{\text{zone1}} > \Delta P_{\text{zone3}}$$



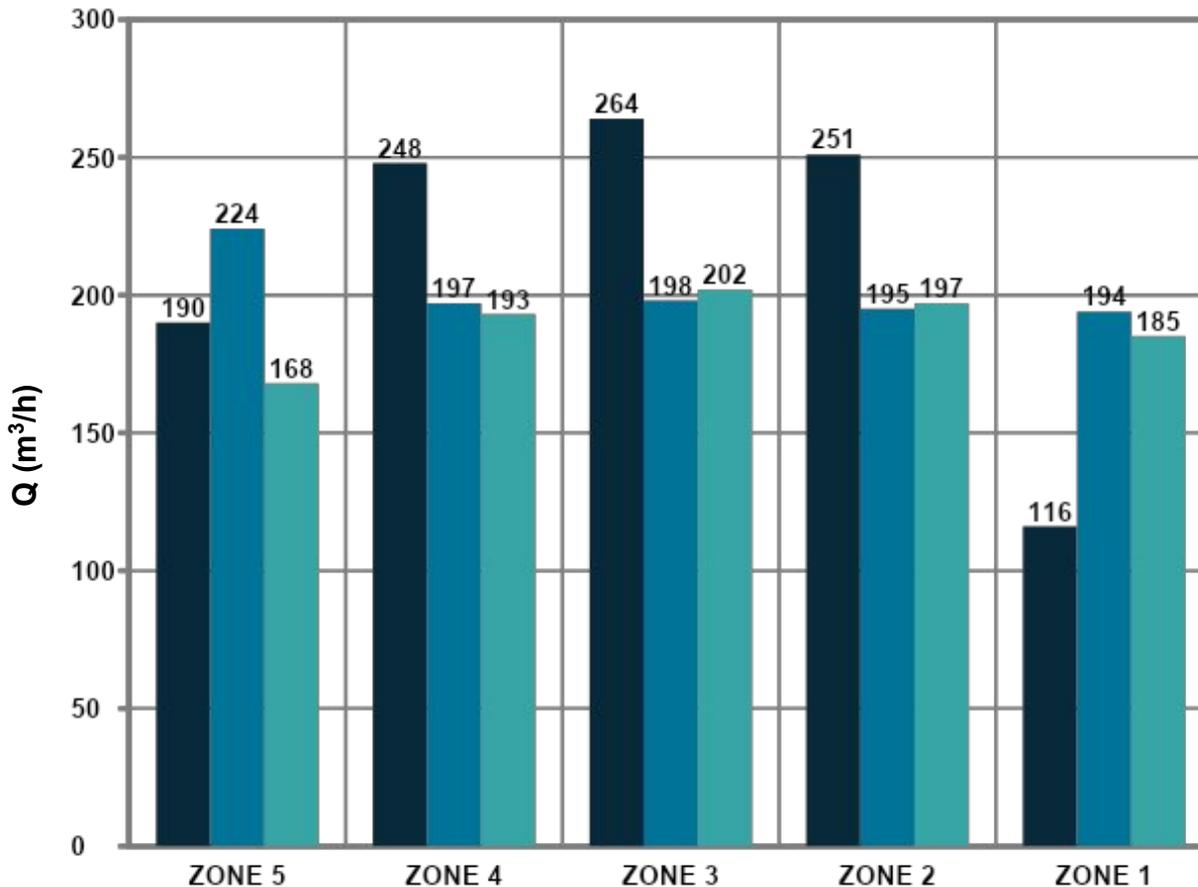
$$\Delta P_{\text{zone1}} < \Delta P_{\text{zone3}}$$

Airflow regulation with Easyzone

Airflow regulation device.

Balanced air distribution duct network.

- Handling of the REG lever.



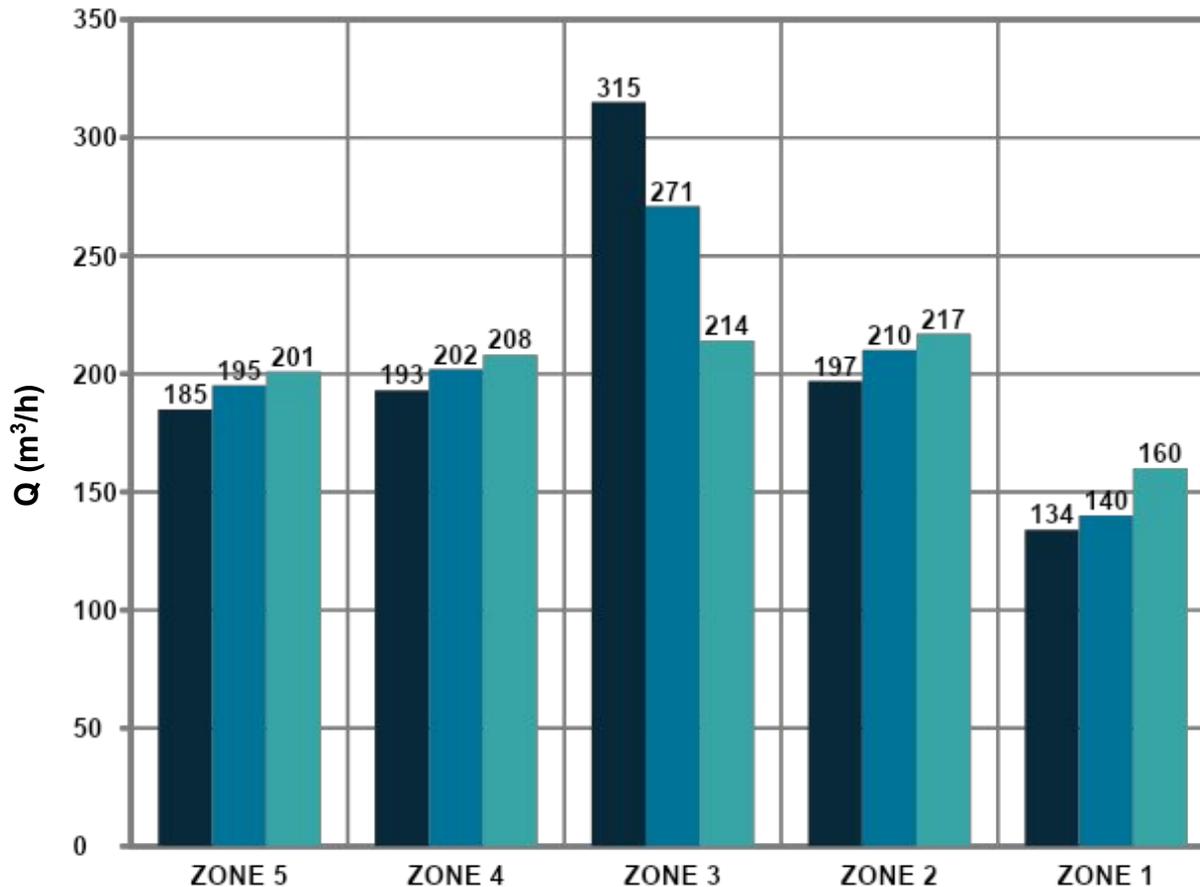
$$\Delta P_{\text{zone1}} \approx \Delta P_{\text{zone3}}$$

Airflow regulation with Easyzone

Airflow regulation device.

Balanced air distribution duct network.

- Handling of the REG lever.



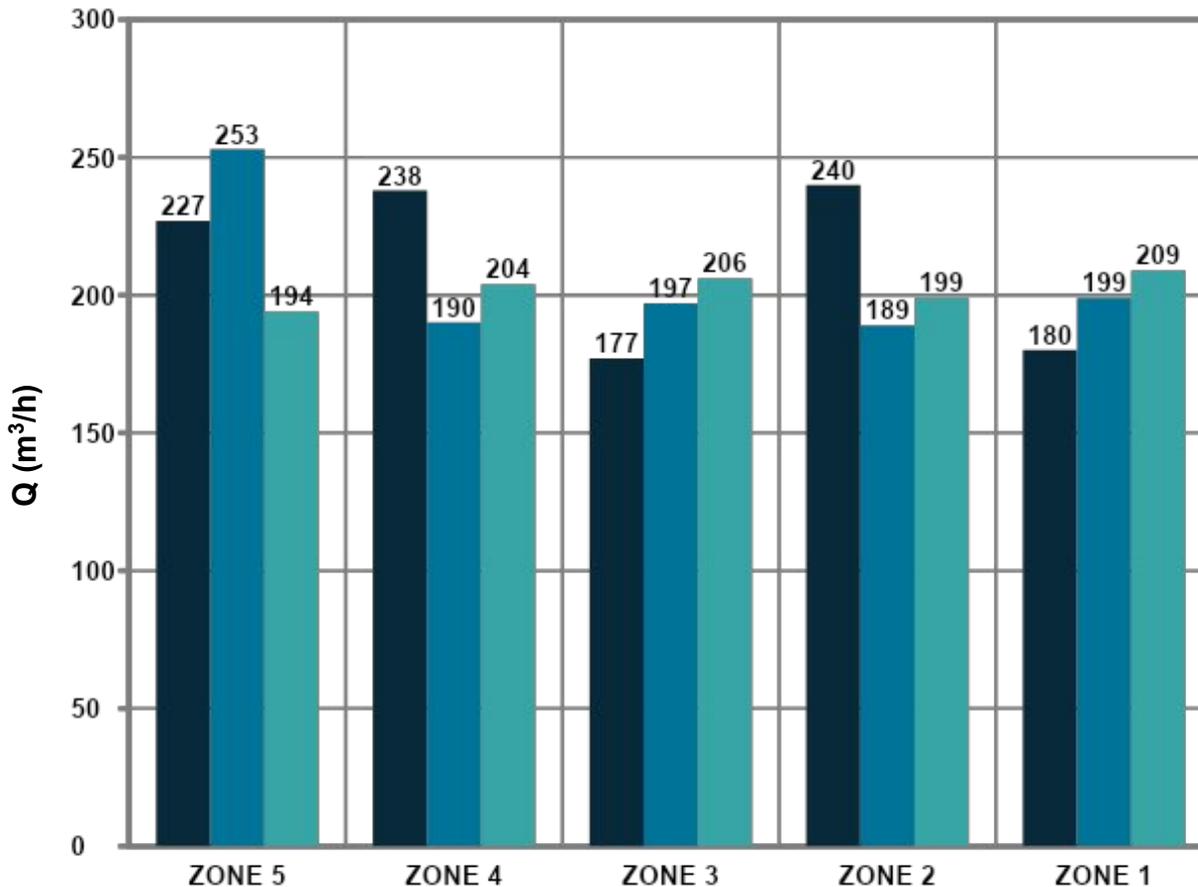
$$\Delta P_{\text{zone1}} > \Delta P_{\text{zone3}}$$

Airflow regulation with Easyzone

Airflow regulation device.

Balanced air distribution duct network.

- Handling of the REG lever.



$$\Delta P_{\text{zone1}} < \Delta P_{\text{zone3}}$$

A top-down view of a wooden desk with a blue chair. On the desk, there is a light-colored wooden notebook with a circular logo, two black rulers, a utility knife, and some architectural drawings. The scene is dimly lit, creating a professional and focused atmosphere.

Troubleshooting

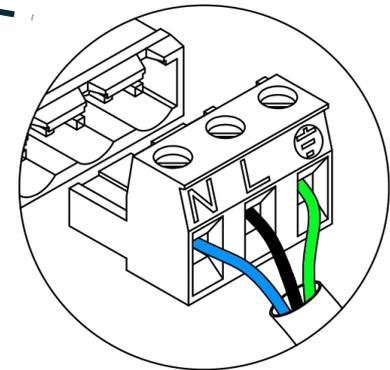
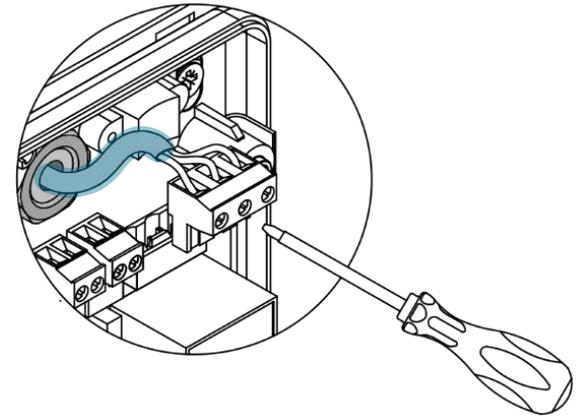
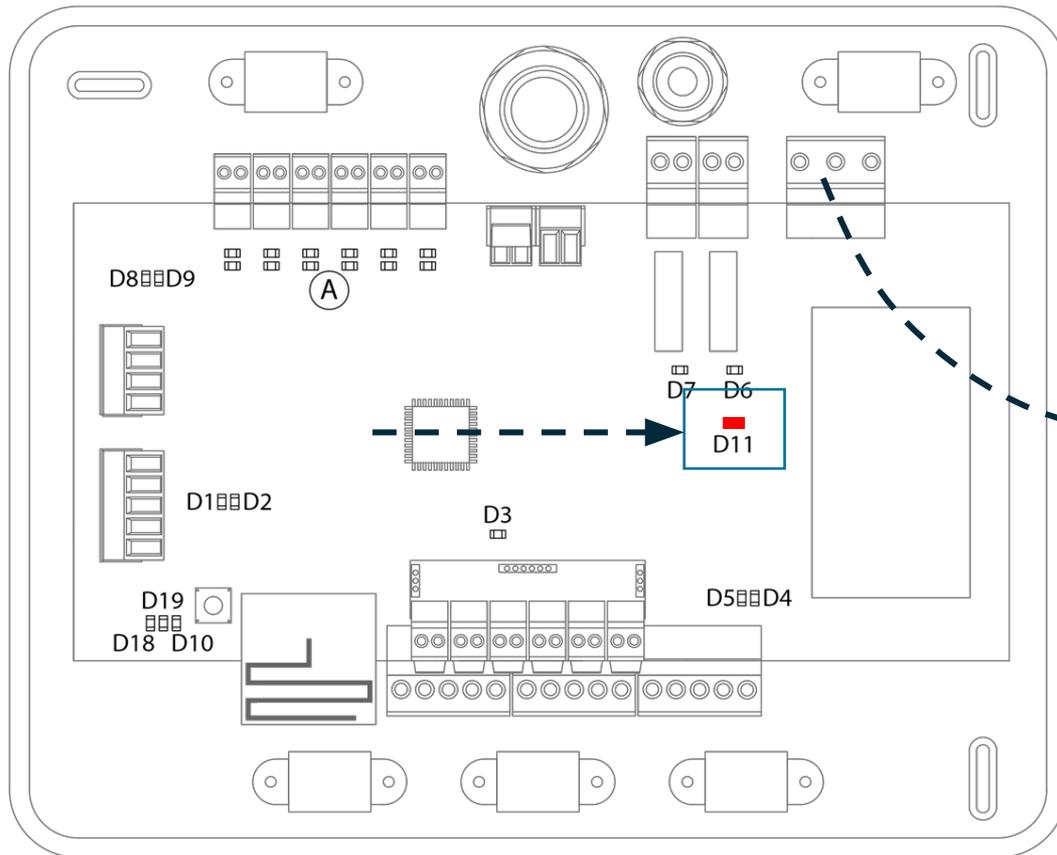
Checking Errors

Error codes

<u>Check power supply to the system's main control board</u>	<u>Error 8</u>
<u>Check activity of the system's main control board</u>	<u>Error 9</u>
<u>Error 1</u>	<u>Error 11</u>
<u>Error 5</u>	<u>AC Unit Error</u>
<u>Error 6</u>	<u>IAQ Error</u>

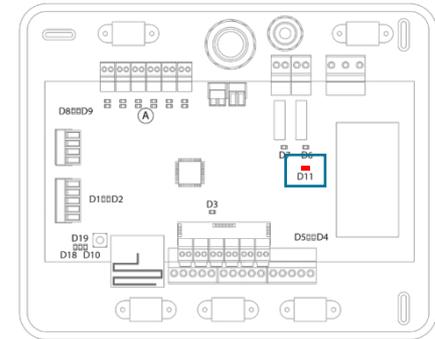
! Power Supply to the System

Checking the power supply to the system



! Power Supply to the System

Checking the power supply to the system



1 D11 LED status?

 Steady red 

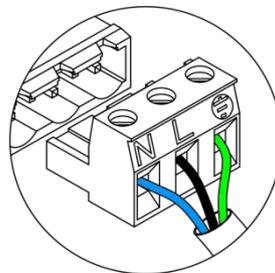
 Check if voltage is 230 V between P and N

 Short circuit between (+) and (-) on the bus

2

Check activity of the main control board

NO



YES

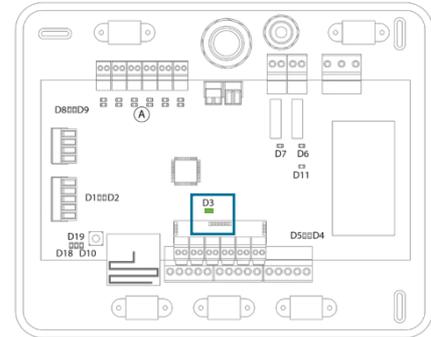
Defective main control board

NO

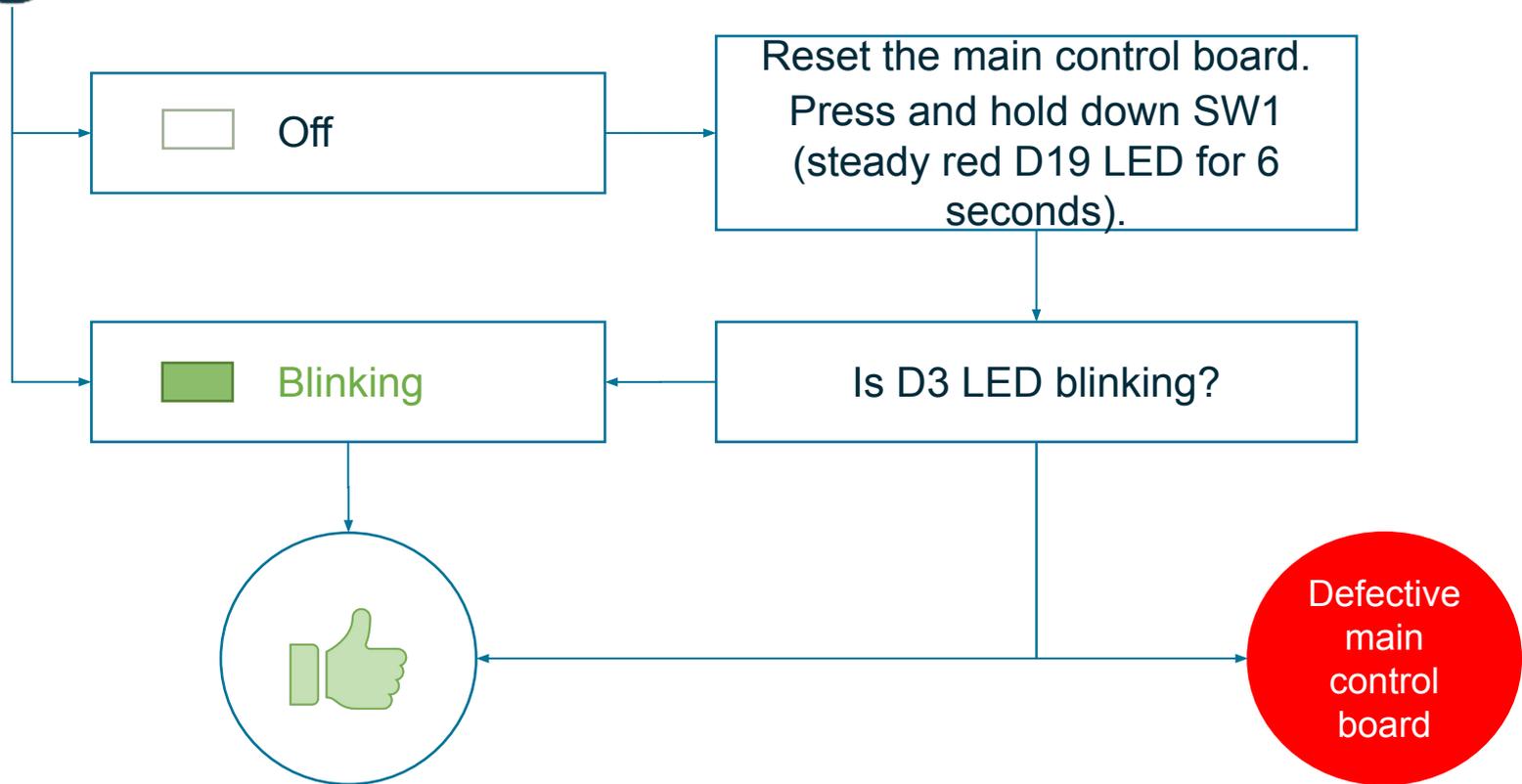
Locate the short circuit

! Power Supply to the System

Checking the activity of the main control board

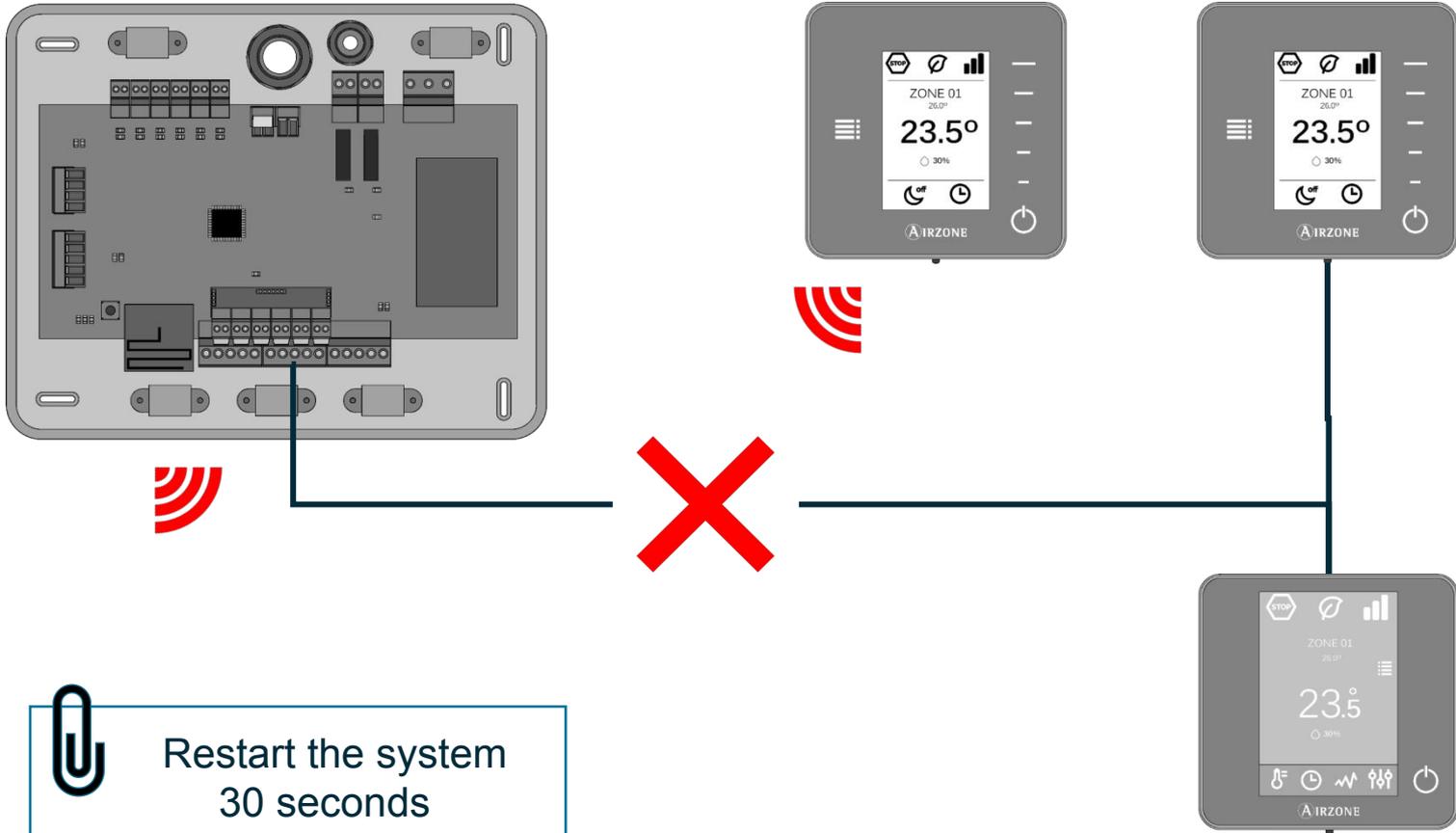


2 Is D3 LED blinking?



! Error Codes

Error 1: Communication failure between thermostat and system's main control board

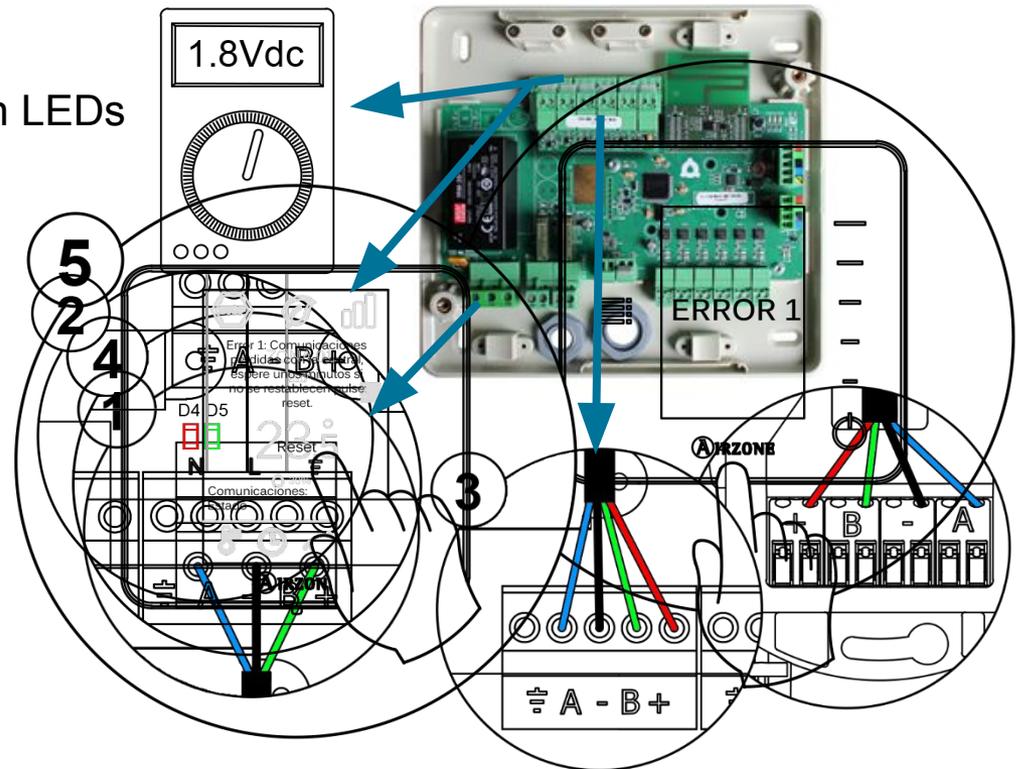


! Error Codes

Error 1: Communication failure between thermostat and system's main control board

WIRED THERMOSTAT

- 1 Power supply to main control board
- 2 Airzone bus communication LEDs
- 3 Connections
- 4 Voltage between poles (A/-) and (B/-) [0.9-1.6 Vdc]
- 5 Restart the zone and reassociate it

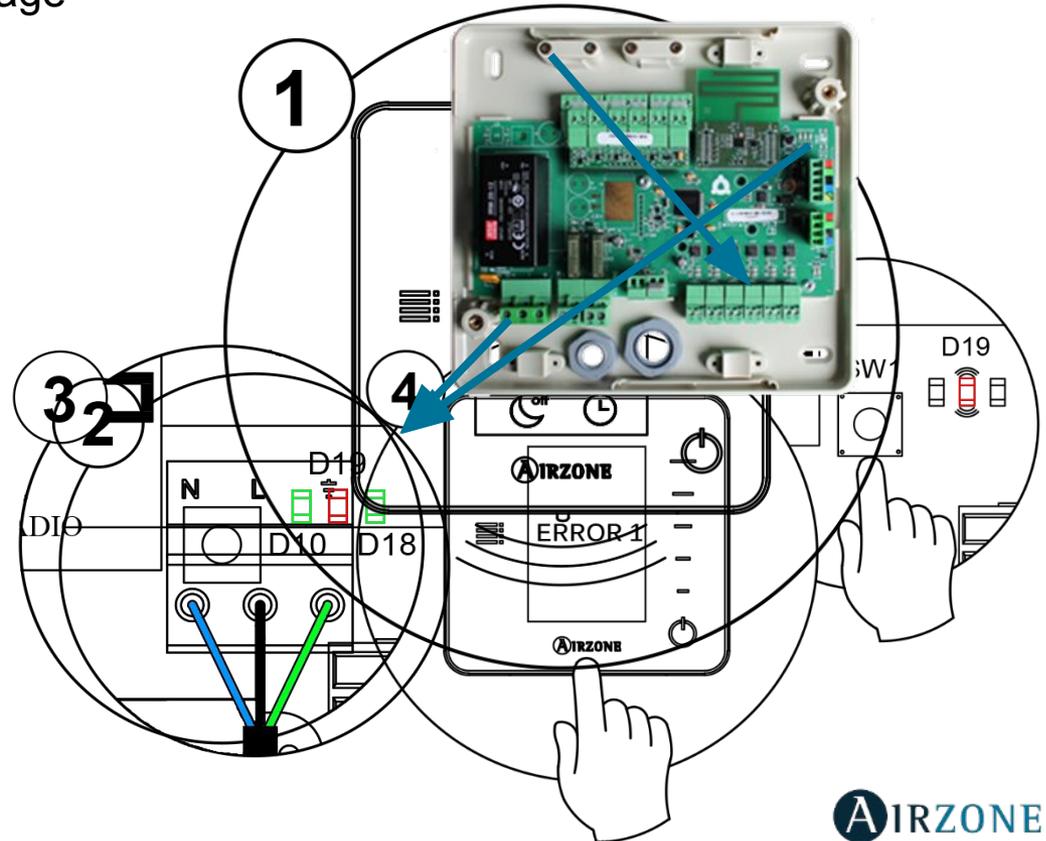


! Error Codes

Error 1: Communication failure between thermostat and system's main control board

WIRELESS THERMOSTAT

- 1 Thermostat status. Coverage
- 2 Power supply to main control board
- 3 Wireless communication LEDs
- 4 Restart the zone and reassociate it



! Error Codes

Error 5: Open circuit in temperature sensor

Error 6: Short circuit in temperature sensor

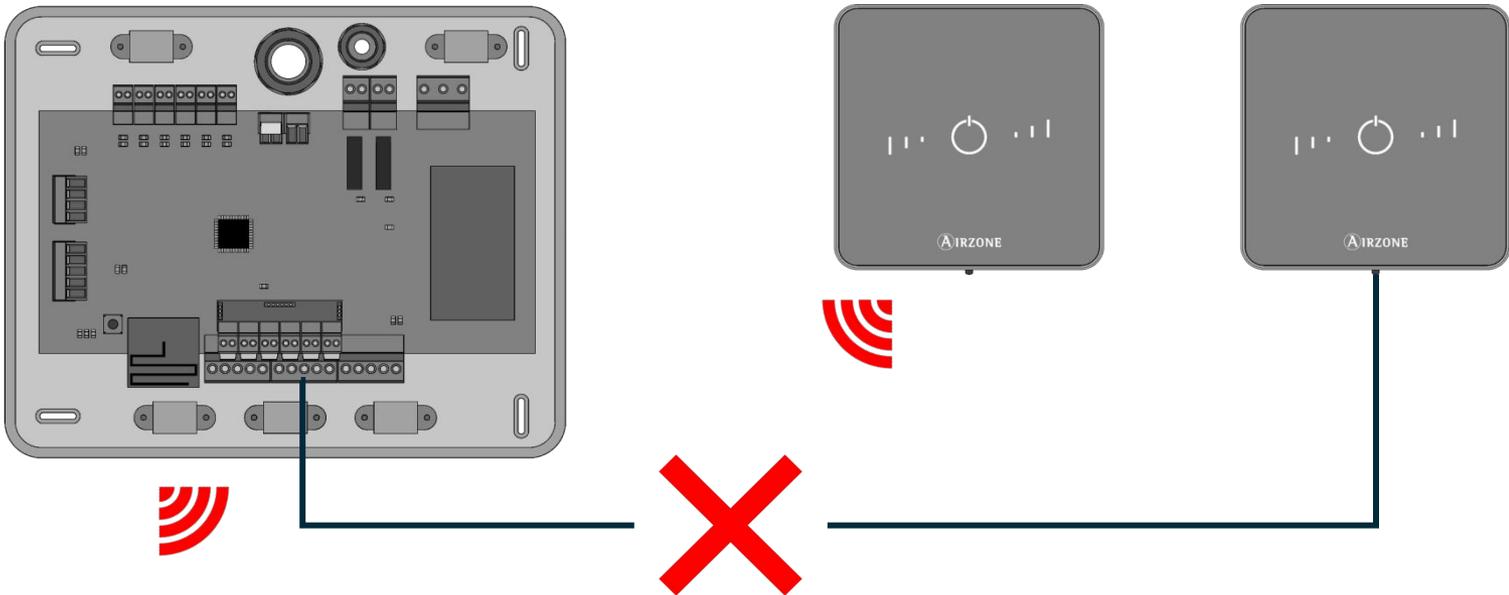
The zone loses the room temperature measurement, leaving the zone unable to generate demand. In the event of such an incident, the device must be replaced or sent for repair.



In the case of the Lite thermostat, errors 5 and 6 are shown in remote zones.

! Error Codes

Error 8: Lite thermostat not found

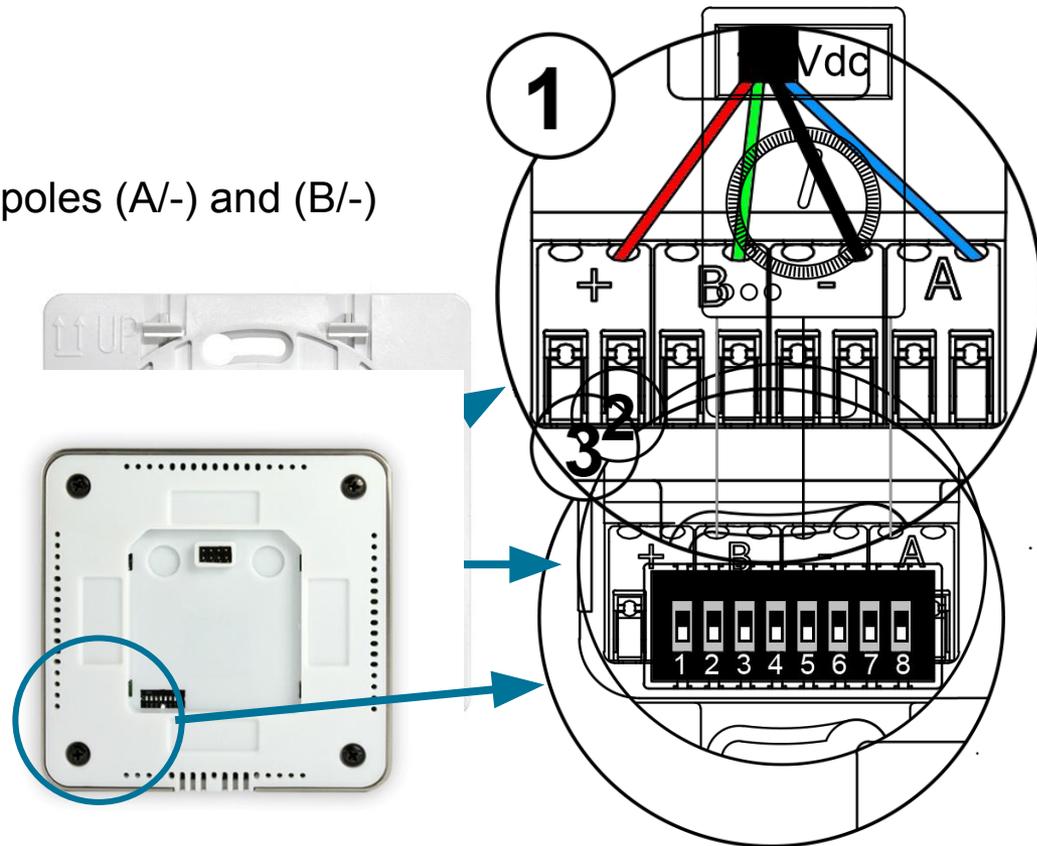


! Error Codes

Error 8: Lite thermostat not found

WIRED THERMOSTAT

- 1 Connections
- 2 Voltage between poles (A/-) and (B/-) [0.9-1.6 Vdc]
- 3 Microswitch corresponding to the zone

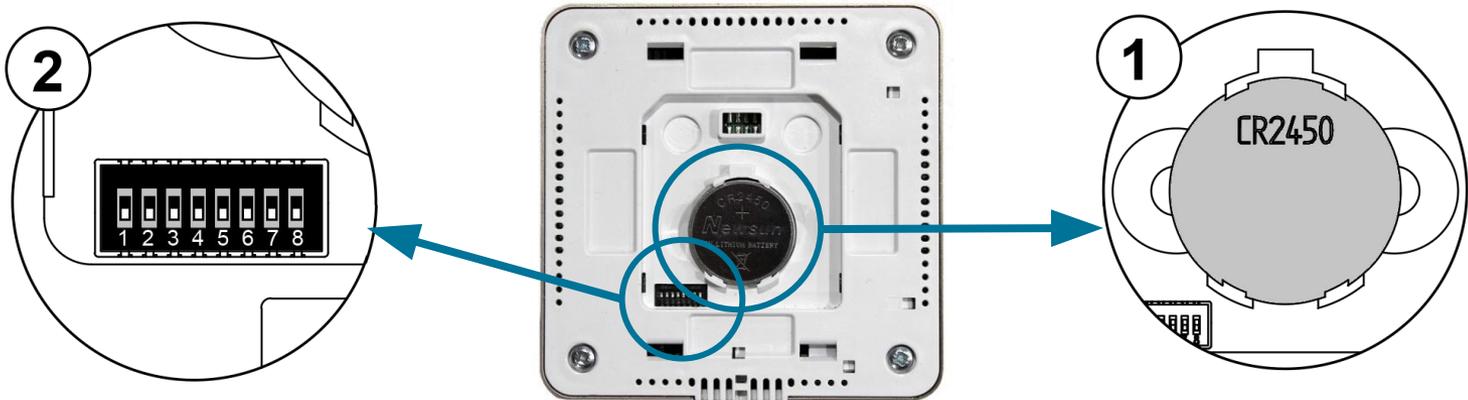


! Error Codes

Error 8: Lite thermostat not found

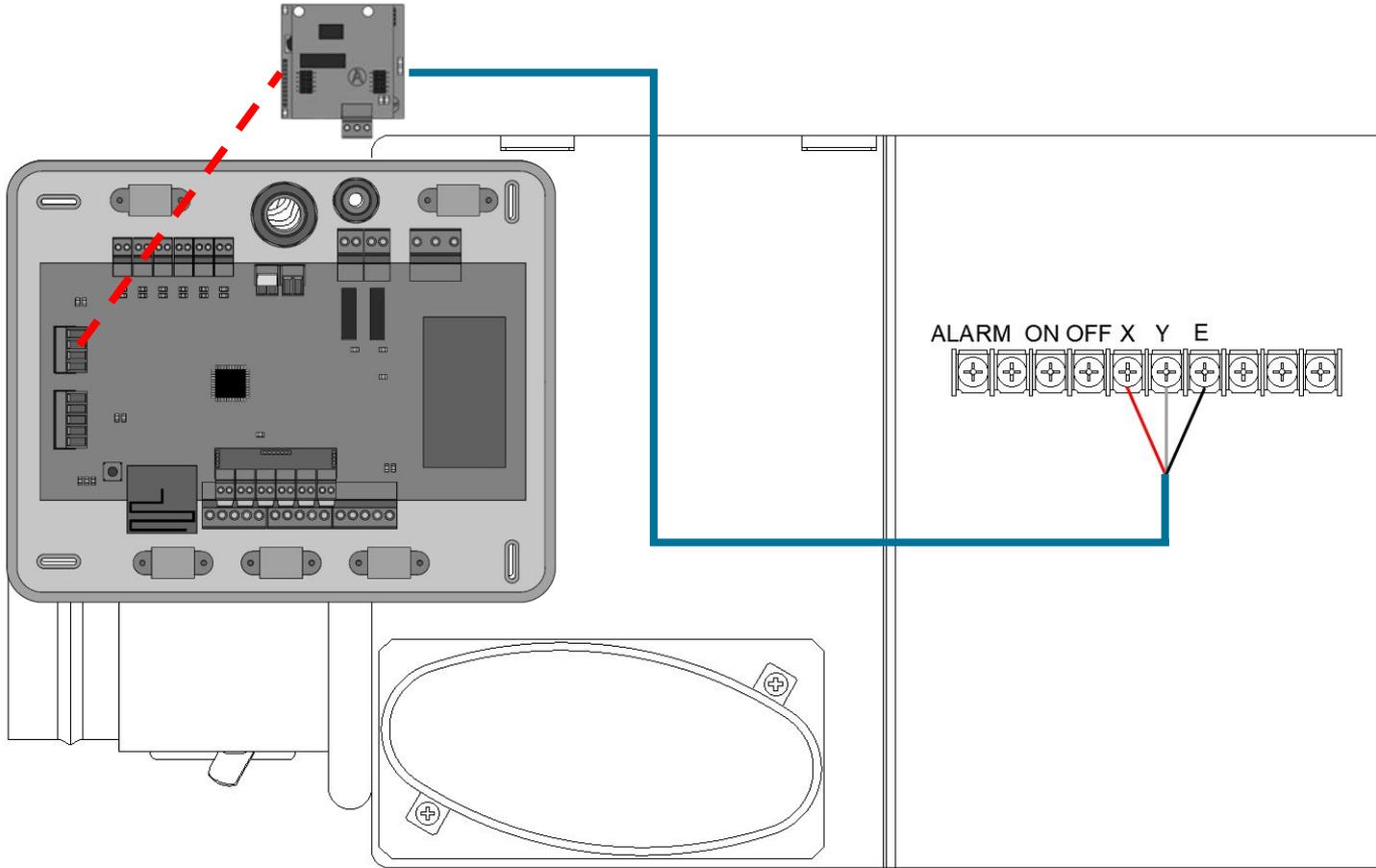
WIRELESS THERMOSTAT

- 1 Power supply
- 2 Microswitch corresponding to the zone



! Error Codes

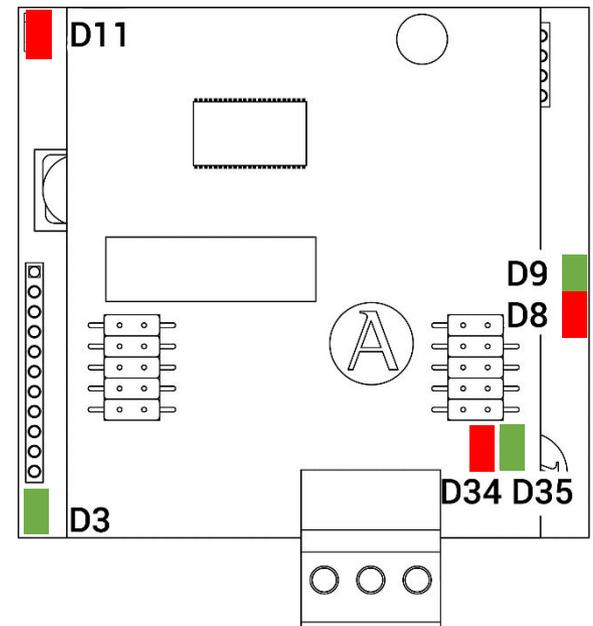
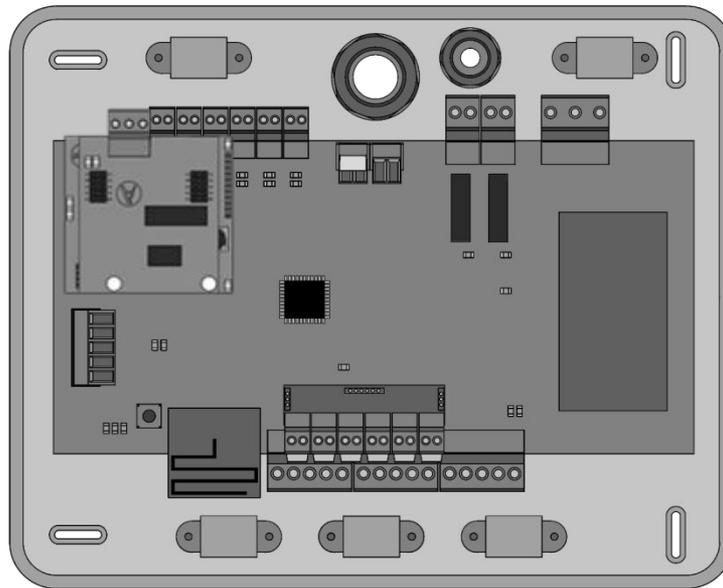
Error 9: Error in gateway - system communication



! Error Codes

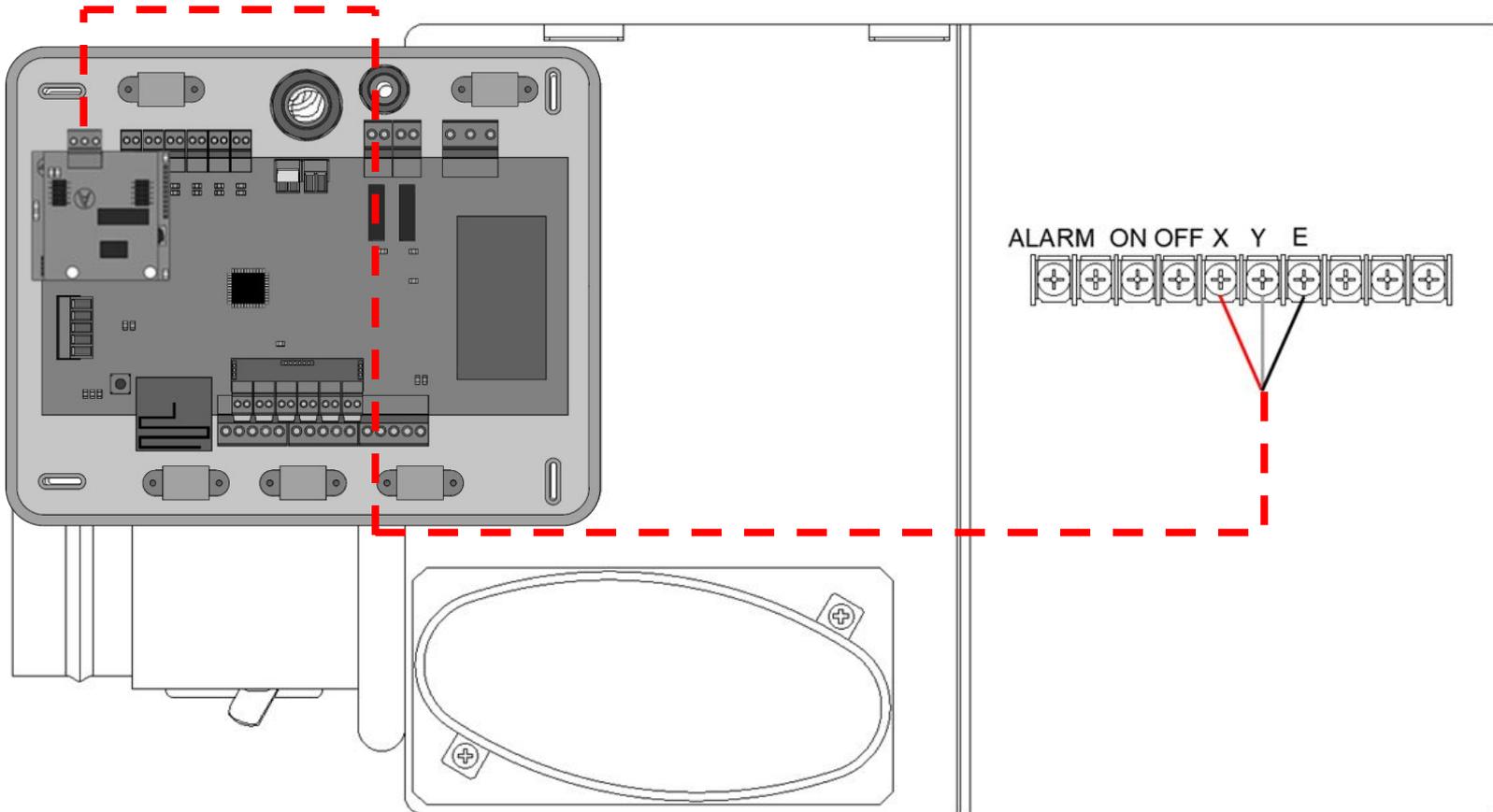
Error 9: Error in gateway - system communication

- 1 Connection between gateway and main control board's port
- 2 Status of the gateway LEDs



! Error Codes

Error 11: Error in gateway - AC unit communication



! Error Codes

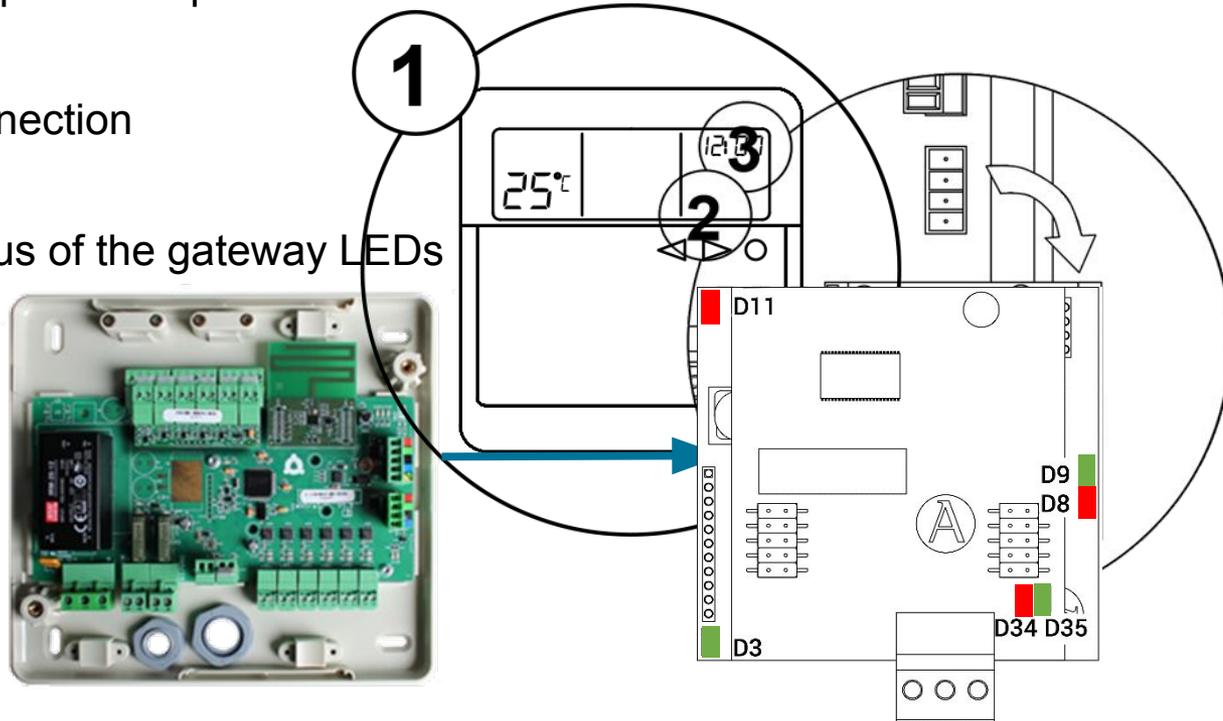
Error 11: Error in gateway - AC unit communication

1 Power supply to the HVAC indoor unit

2 Independent operation of the indoor unit

3 Connections

4 Status of the gateway LEDs

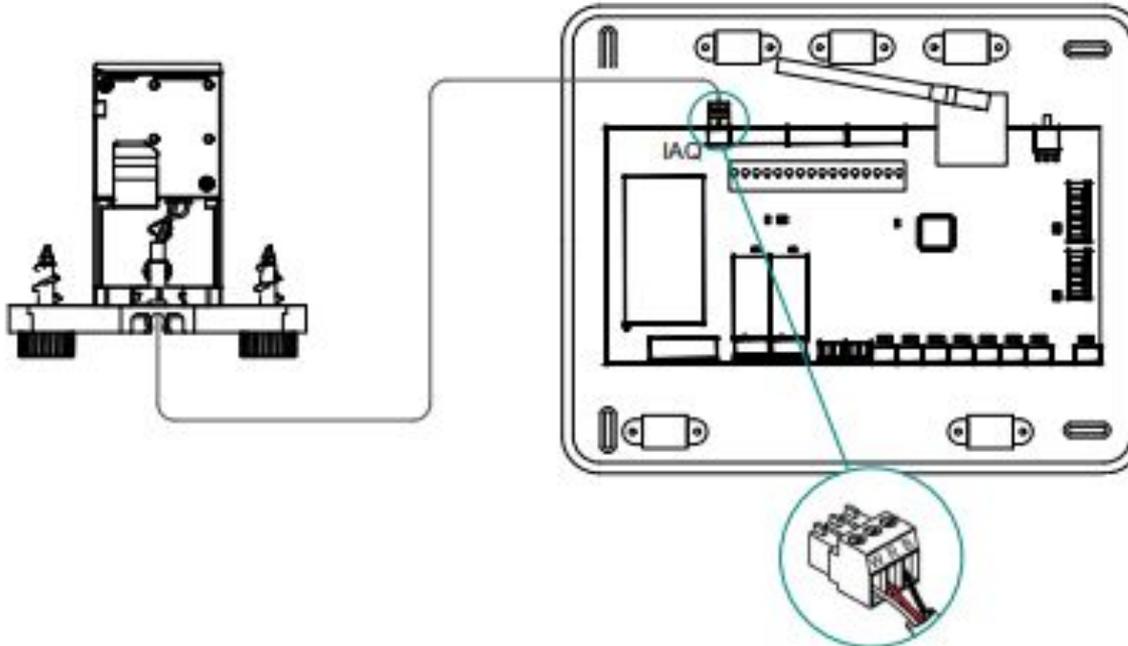


! Error Codes

Error IAQ2: Loss of communication between the Airzone particle sensor - main control board

- 1 Check that the Airzone particle sensor is properly connected to the main control board's IAQ port.

This warning indicates the non-detection of the particle sensor and means that Indoor Air Quality cannot be measured. Once a sensor is connected, the error disappears

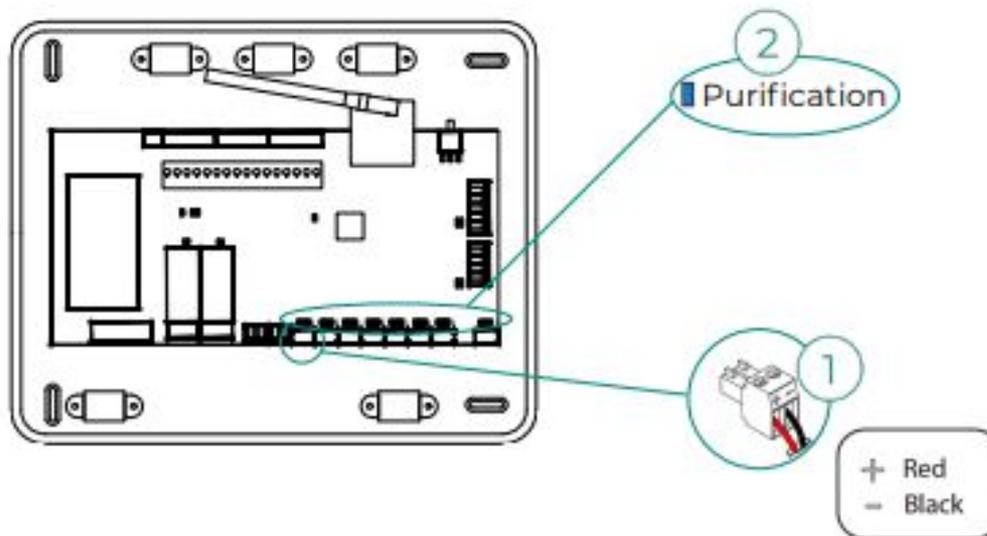


! Error Codes

Error IAQ3: Zone module with ionizer not connected

- 1 Check that the polarity of the connections between the IOx port and the Ionizer is correct.
- 2 Check the ionization status LEDs on the main control board

This warning indicates that an ionizer has not been detected in a zone and is generated when ionization is started in a zone.

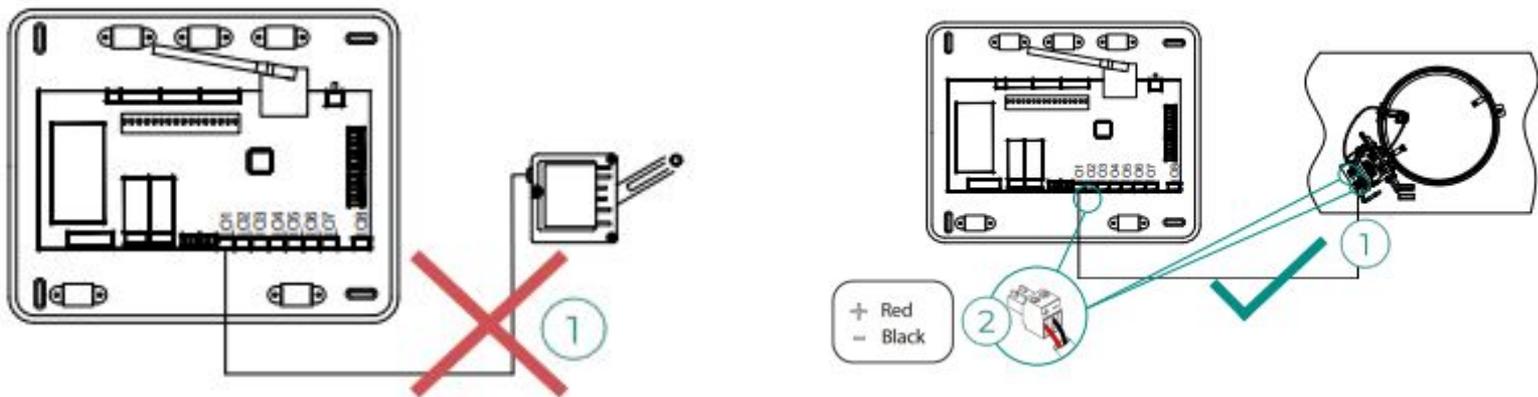


! Error Codes

Error IAQ4: Actuator connected directly without ionizer

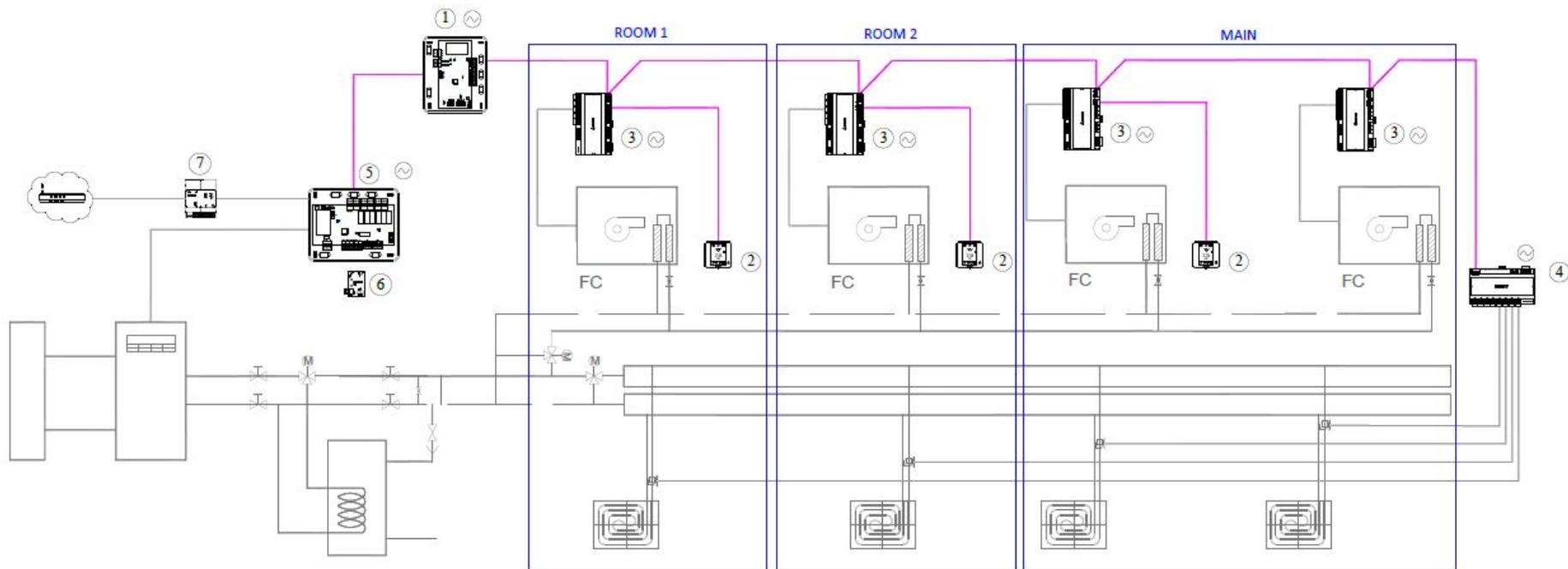
- 1 Check that you have not connected an actuator directly to the main control board
- 2 Check the connections between the actuator and the ionizer, as well as between the ionizer and the main control board.

This error occurs when an actuator is directly connected to the outputs intended for the ionization boards on the main control board. It can cause the actuators to stop



Acuazone





①	AZDI6ACUAZONE	Airzone Acuazone main control board 32Z	
②	AZDI6BLUEZEROCB	Airzone Blueface Zero Thermostat wired white 32Z	
③	AZDI6ZMOFANC	Airzone fancoil individual unit zone module wired 0-10V/3SPD 32Z	
④	AZDI6OUTPUT8	Airzone control module of radiant elements 32Z	
AZX6CCPK2HUB	⑤	AZX6CCPGAWI	Airzone hydronic production control board
	⑥	AZX6GAWDA2	Airzone Altherma 3 Gateway
	⑦	AZX6WSPHUB	Airzone Webserser HUB

Symbol/Nomenclature	Definition
	Airzone Bus Cable
	Dedicated Electric Circuit

Acuazone



Radiant heating/cooling integration available

