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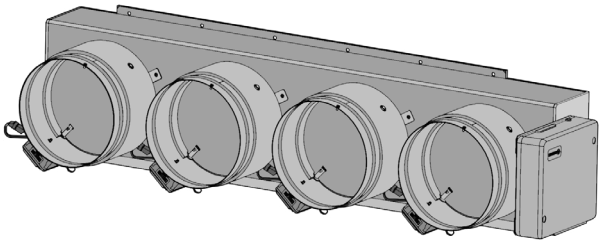
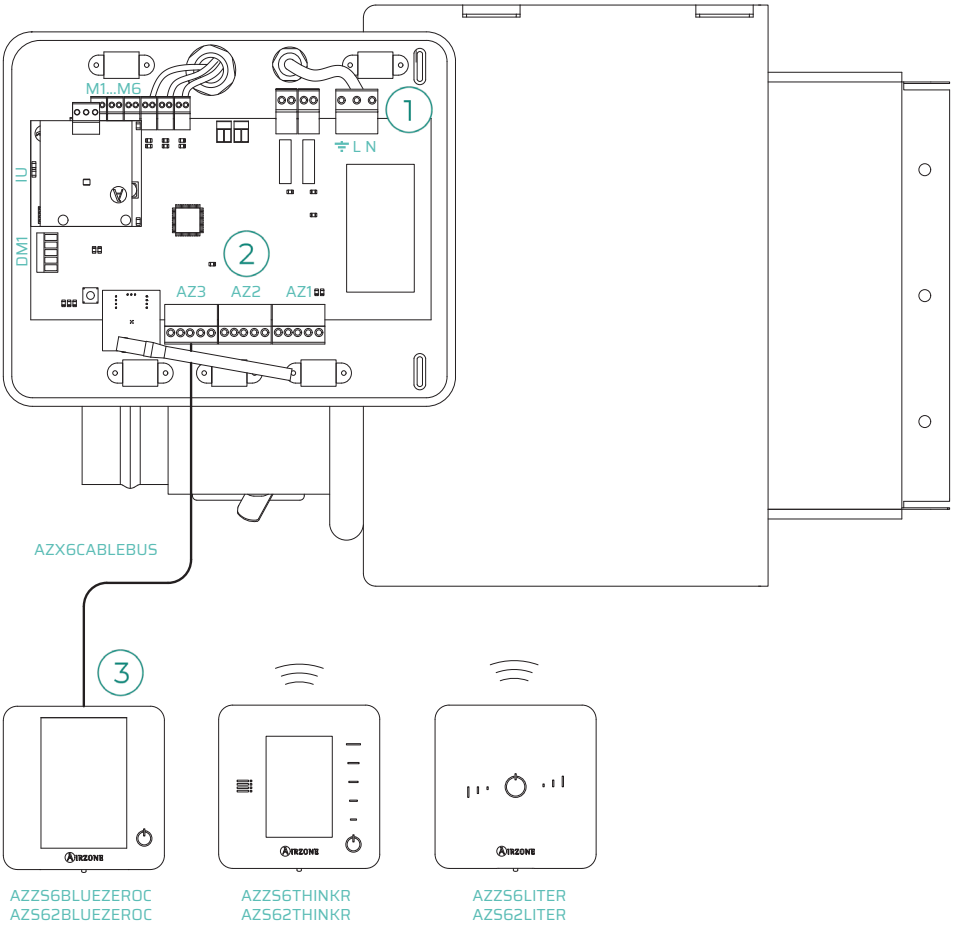
Installation Manual

Easyzone S62



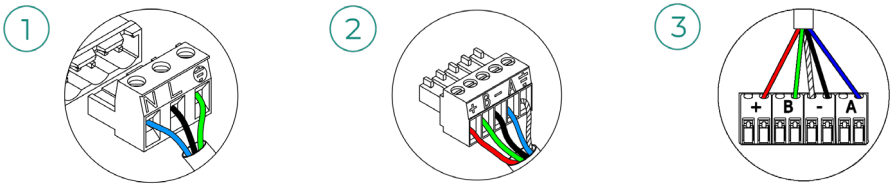
AIRZONE



AZZS6BLUEZEROC
AZS62BLUEZEROC

AZZS6THINKR
AZS62THINKR

AZZS6LITER
AZS62LITER



A	Azul I Blue I Bleu
–	Negro I Black I Noir
B	Verde I Green I Vert
+	Rojo I Red I Rouge

N	Neutro	I Neutral	I Neutre
L	Fase	I Phase	I Phase
⏚	Tierra	I Ground	I Terre

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WARNINGS, ENVIRONMENTAL POLICY AND CERTIFICATIONS

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WARNINGS

For personal safety and equipment protection, follow these instructions:

- Do not operate the system if it is wet, or handle it with wet hands.
- Connect the power supply cable before connecting the AC power.
- Perform any connection or disconnection with the power supply **OFF**.
- Verify that there is no short-circuited connection in the connectors between different cables or ground.
- Verify there are no abnormalities in the wiring.

- Never dispose of this equipment with household waste. Electrical and electronic products contain substances that can be harmful to the environment if they are not given proper treatment. The symbol of the crossed container indicates separate collection of electronic equipment, unlike the rest of urban garbage. For proper environmental management, the equipment to be disposed must be taken to the proper collection center at the end of its lifespan.

- The components of this equipment can be recycled. Follow the existing regulations on environmental protection in your area.

- The unit must be delivered to your dealer if it is being replaced. If it is to be discarded, it must be sent to a specialized collection center.

FCC REGULATORY NOTICES

47 CFR § 2.1077 Compliance Information

In accordance with FCC Rules and Regulation.

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Modification statement

Corporacion Empresarial Altra S.L. has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

Interference statement

This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Wireless notice

This device complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with the FCC/ISED RF exposure limits and has been evaluated in compliance with mobile exposure conditions. The equipment must be installed and operated with minimum distance of 20 cm of the human body.

FCC Class B digital device notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAN ICES-3 (B) / NMB-3 (B)

This Class B digital apparatus complies with Canadian ICES-003.

INTERTEK / UL REGULATORY NOTICES

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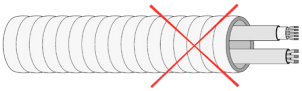
- The units shall be tested by a Nationally Recognized Testing Laboratory (NRTL) in accordance with ANSI/UL Standard UL 1995/CAN/CSA-C22.2 No. 236-11 – 4th Edition (R2011) – Heating and Cooling Equipment, and will bear the Listed Mark.
- All wiring shall be in accordance with the National Electric Code (NEC)/Canadian Electrical Code (CEC).

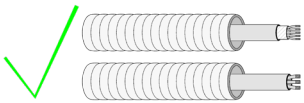
Before starting

- The system must be installed by a qualified technician.
- This product must not be modified or disassembled under any circumstances.
- Do not handle the system with wet or damp hands.
- In the case of any malfunction of this appliance, do not repair it yourself. Contact the sales distributor or service dealer for repair or disposal of the product.

- Check that the HVAC installation has been installed according to the manufacturer's requirements, complies with local regulations in force and is working correctly before you install the Airzone system.
- Place and connect the elements in your installation in accordance with current regulations covering electrical installations.

- All connections must be made with the power supply completely turned off.
- Take care not to short circuit any of the system's connections.
- Please refer carefully to the wiring diagram and these instructions when wiring.
- Connect all wiring securely. Loose wiring may cause overheating at the connection points and is a possible fire hazard.
- Do not locate the Airzone communication bus close to power lines, fluorescent lights, actuators, etc. as this may cause interference in communications.
- The connection to the external power supply must include a main switch or other method of disconnection that includes a constant separation for all polarities, in accordance with appropriate local and national regulations. The system will





automatically restart if the power supply is turned off. **Use separate circuits for the unit that is to be controlled and the power supply to the system.**
- Check the polarity of each device's connectors. A wrong connection can seriously damage the product.
- To connect to the system, use Airzone cable: four-wire cable (2x0.22 mm^2 twisted shielded wires for data communications and 2x0.5 mm^2 wires for power supply).

- A Blueface Zero thermostat must be used to enable all the Airzone system functionalities.
- Recommendations for the placing of the thermostats:

- For equipment using R32 refrigerant, verify the compliance with the local refrigerant regulation.
- The room size installation requirements mentioned in the manual of the ducted indoor unit, to which the Easyzone is connected, remain applicable to each and every separate room served by the Airzone unit.
- Ducts connected to Easyzone shall not contain a potential ignition source.

System elements

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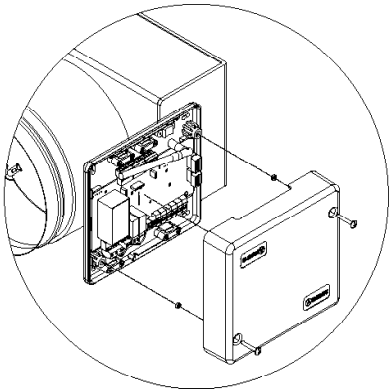
MAIN CONTROL BOARD

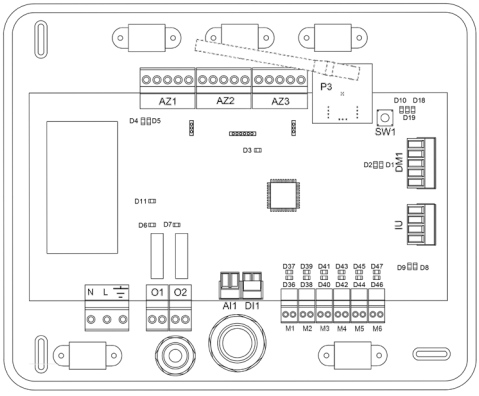
AZS62CB2ANT
For further information, see the technical fact sheet.

Assembly

The system's main control board is already installed in the Easyzone motorized plenum.



Connection



AZ1 - AZ2 - AZ3

The Airzone connection bus is used to connect all the internal elements independent of the main control board and can control up to 6 zones.

To connect the Airzone connection bus, there are three 5-pin terminals. This system allows star and bus connection. Use shielded twisted pair stranded 2 x AWG 20 + 2 x AWG 23* (wire not provided by Airzone). Fix the cables with the screws on the terminal, following the color code.

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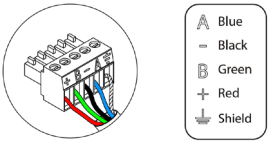
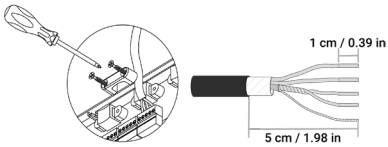
Important: For elements with external power supply at 110/230 VAC, it is only necessary to connect poles "A" and "B" of the bus for communications.



For increased safety, fix the cables to the main control board using the turrets:

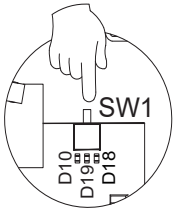


P3

Antenna connection for wireless elements.

SW1

The system main control board has wireless communication for connecting wireless Airzone elements. These devices are associated by opening the association channel on the main control board. To do this, press SW1 until LED D19 turns red. For 15 minutes, the system will keep the wireless association channel open.

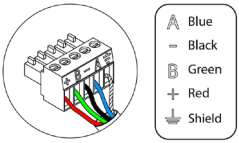


Reset system: If you need to reset the system to factory defaults, press and hold SW1 until LED D19 stops blinking.

DM1

The automation bus allows several systems to be interconnected in order to manage all of them, using the control peripherals offered by Airzone or their integration into a higher-level control network.

To connect the automation bus, there is one 5-pin terminal. This system only uses bus connections. Fix the cables with the screws on the terminal, following the color code.



Important: For elements with external power supply at 110/230 VAC, it is only necessary to connect poles "A", "B" and "Shield" of the communications bus. Only use the shield on the connector on the main control board side.

** 2 x 0.5 + 2 x 0.22 mm² Airzone cable.*

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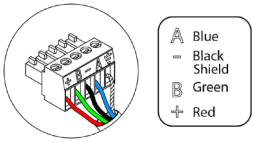
IU

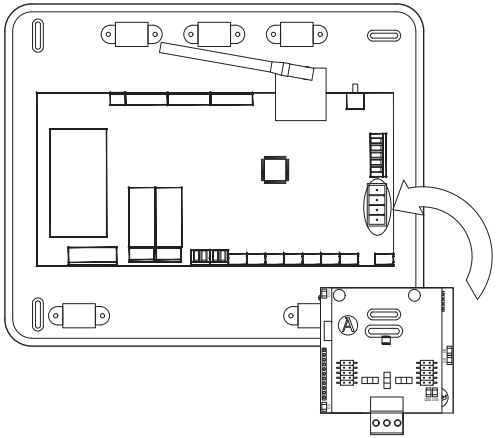
The AC unit bus allows the connection of different control gateways (AZX6GTC / AZX6QADAPT3) for the installed air equipment.

To connect the AC unit bus, there is one 4-pin terminal. The connection for these elements is point-to-point. Fix the cables with the screws on the terminal, following the color code.



Important: For elements with external power supply at 110/230 VAC, it is only necessary to connect poles "A", "B" and "Shield" of the communications bus. Only use the shield on the connector on the main control board side.

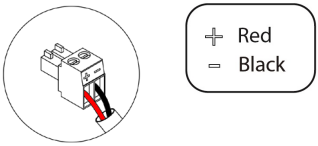
For the connection of integrated gateways, disconnect the AC unit bus terminal and engage the connector and the gateway fixing post.



M1 ... M6

The 12V outputs allow to connect the Airzone motorized elements of each zone for their management through the system main control board.

For connection of motorized outputs there are six 2-pin terminals. Fix the cables with the screws on the terminal, following the color code.



DI1

This input sets the Stop mode on the AC unit, closing all system dampers when an alarm warning is received and blocking the operation mode. This input is configured as normally closed. For proper system operation, this contact is shipped with a bridge from the factory.

AI1

Allows the return temperature of an AC unit to be measured by means of an external probe. The use of this probe is recommended when working with electromechanical or NON Inverter units, where the return temperature of the AC unit must be controlled.

O1 - O2

If the system includes Auxiliary Heat, when required by the heat demand, these outputs enable the first and second stages of Auxiliary Heat.

The technical specifications for the 1st and 2nd Stage Aux. Heat relay are: Imax. =1 A @ 24V, dry contacts.

If higher power is required for control, use external contactors of appropriate capabilities.

N L ⏚

This connector supplies power to the system main control board and consequently to the elements connected to it. External power supply at 110/230 VAC.

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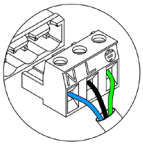
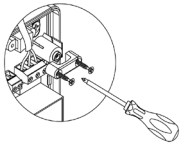
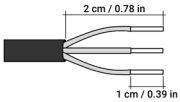
The connection is made by a 3-pin terminal. Fix the cables with the screws on the terminal, following the color code.



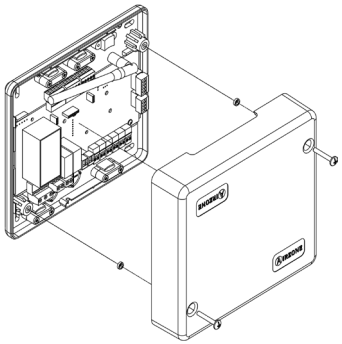
N Neutral
L Phase
⏚ Ground





The connection to the external power supply must include a main switch or other method of disconnection that includes a constant separation for all polarities, in accordance with appropriate local and national regulations. The system will automatically restart if the power supply is turned off. **Use separate circuits for the unit that is to be controlled and the power supply to the system.**

Once all the connections have been made, make sure the cover of the main control board is correctly replaced.



WIRED THERMOSTATS

AZS62BLUEZEROC

For further information, see the technical fact sheet.

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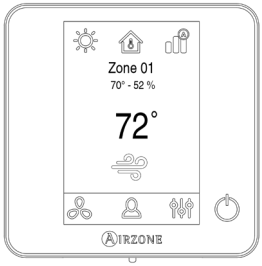
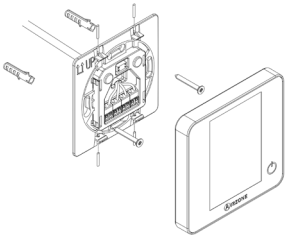


Assembly

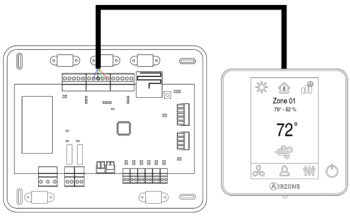
Airzone wired thermostats are surface mounted on a support. Remember that the maximum recommended distance for this device is 131 ft (40 m). For wall mounting, follow these steps:



- Separate the back of the thermostat and make the relevant connections.
- Fix the back of the thermostat to the wall.
- Place the display over the fixed support.
- Place the anti-vandalism rods to better hold the thermostat in place (optional).

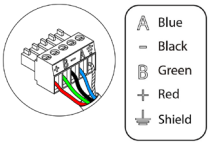
Connection

Airzone thermostats are elements that are connected to the Airzone connection bus on the main control board. Fix the cables with the screws on the terminal, following the color code.

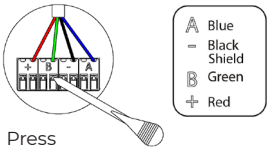


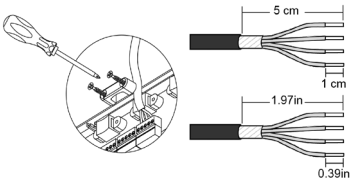
Important: Use the tool provided to press on the fastening tabs.

Main control board connection



Thermostat connection





WIRELESS THERMOSTATS

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AZS62THINKR

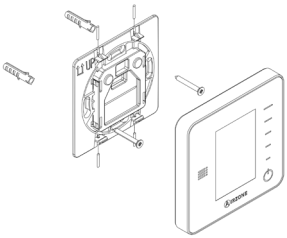
For further information, see the technical fact sheet.

AZS62LITER

For further information, see the technical fact sheet.

Assembly

Airzone wireless thermostats are surface mounted on a support. Remember that the maximum recommended distance for this device is 131 ft (40 m). or wall mounting, follow these steps:



- Remove the back of the thermostat and insert the CR2450 button battery.
- Fix the back of the thermostat to the wall.
- Place the display over the fixed support.
- Place the anti-vandalism rods to better hold the thermostat in place (optional).

Change of battery

When the low battery icon appears on the display, the battery must be replaced.

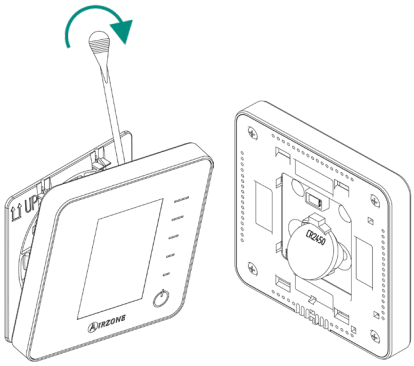
Note: *In the case of wireless Lite thermostats, a "Lite low battery" warning message will appear on Blueface zero thermostats.*

To replace the battery, separate the thermostat from its base and replace the battery (CR2450).

Important: The use of batteries from leading brands is recommended, similar to those provided. A battery of lesser quality may have a reduced life.

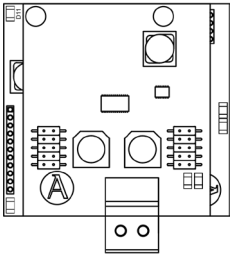
Remember to place the old battery in an appropriate recycling bin.

Note: *Remember to remove the anti-vandalism system (if installed) before removing the thermostat from the wall.*

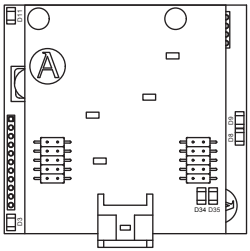


AIRZONE GATEWAYS

Airzone controller 3.0 gateway (AZX6GTCXXX)
For further information, see the product technical fact sheet



Airzone communication gateway (AZX6QADAPT3XXX)
For further information, see the product technical fact sheet.



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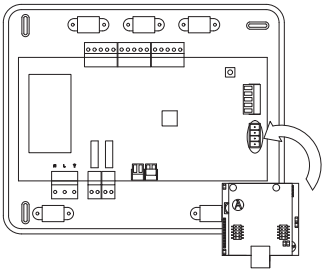
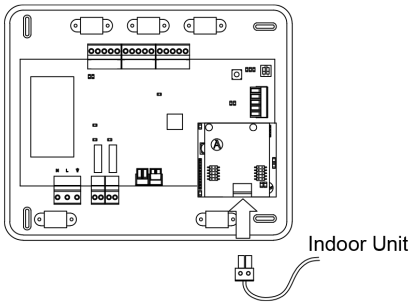
Assembly

The Airzone gateways are integrated in the AC unit bus of the system's main control board. It has a 4-pin terminal. Disconnect the terminal to which you wish to connect the gateway and engage the connector and the gateway fixing post.



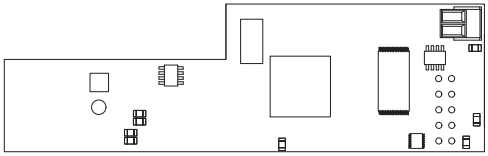
Connection

For connection to the indoor unit, use the cable supplied. Locate the terminal/connector (it will depend on the manufacturer, to know your connector see the technical data sheet of the gateway) and connect the free end of the cable to the indoor unit.

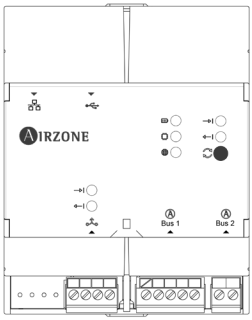


WEBSERVER AIRZONE CLOUD

Webserver Airzone Cloud Wi-Fi Dual 2.4-5G (AZX6WSC5GER)
For further information, please refer to the technical datasheet.

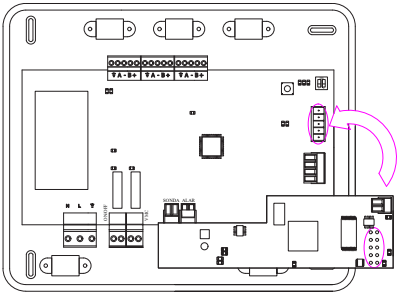


Webserver HUB Airzone Cloud Dual 2.4-5G/Ethernet (AZX6WSPHUB)
For further information, please refer to the technical datasheet.



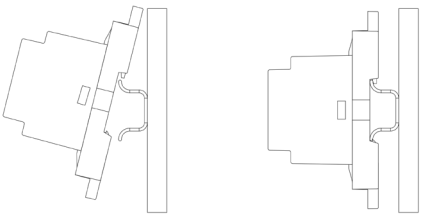
Assembly

The Webserver Airzone Cloud Wi-Fi Dual 2.4-5G (AZX6WSC5GER) is integrated in the domotic bus of the system's main control board. It has a 5-pin terminal. Disconnect the terminal to which you wish to connect the Webserver and engage the connector.

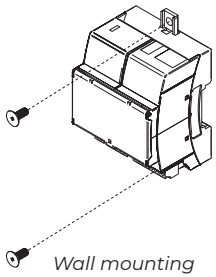


The Webserver HUB (AZX6WSPHUB) is DIN rail- or surface-mounted. The location and the assembly of this module must be compliant with the applicable electronic regulations.

Note: *To remove the module in the DIN rail, pull the reed downwards to release it.*



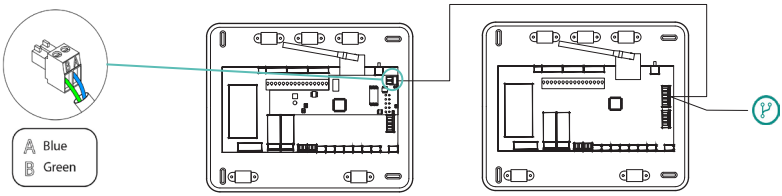
DIN-rail mounting



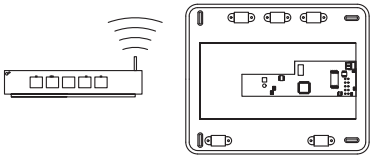
Wall mounting

Connection

For connection to other system main control boards, use the 2-pin terminal to connect the Webserver Airzone Cloud (AZX6WSC5GER) to the main control board's domotic bus. Attach the wires with the terminal screws following the colour code.



AZX6WSC5GR from a system main control board to other system main control boards



ROUTER - AZX6WSC5GER

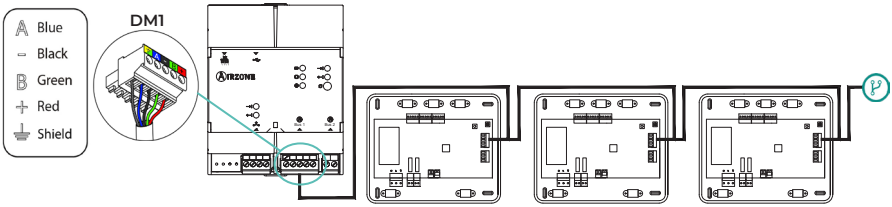
The connection icon indicates that the same connection can be made for up to 32 systems.

Note: *Remember that for this module to operate properly, all the main control boards must be addressed (see the Advanced system configuration section).*

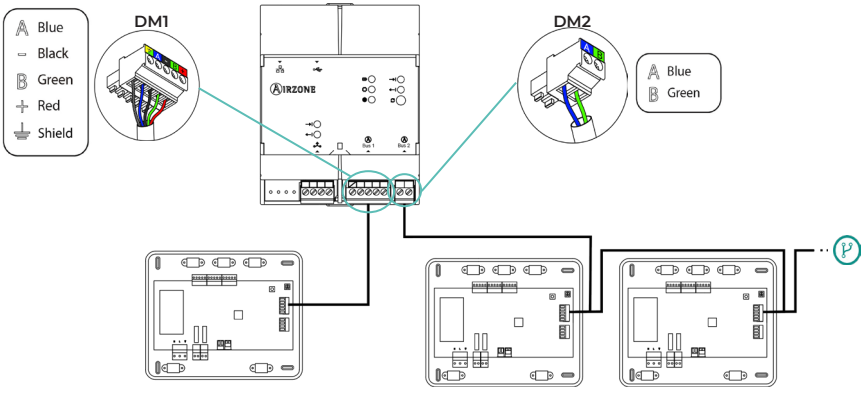
The Webserver HUB (AZX6WSPHUB) is connected to the system's main control board domotic bus.

There is one 5-pin terminal available for connection to the domotic bus of the main control board. Attach the wires with the terminal screws following the colour code. Use the ground only in the connector on the side of the main control board.

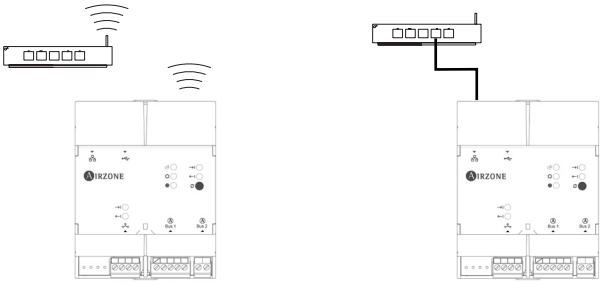
There are two types of connections:



Connection 1: AZX6WSPHUB from a system main control board to other system main control boards



Connection 2: AZX6WSPHUB from a system main control board to other system main control boards



ROUTER (Wi-Fi) - AZX6WSPHUB

ROUTER (Ethernet) - AZX6WSPHUB

All Airzone systems must be connected to the Internet to provide technical support.

AZX6WSC5GER / AZX6WSPHUB: Only **one Webserver per installation** needs to be connected (control up to 32 systems).

System Installation

EN

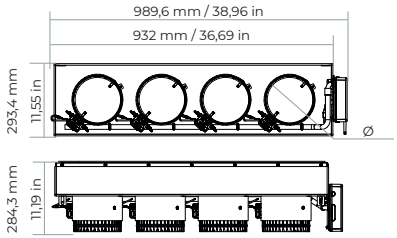
The Easyzone motorized plenum allows multiple separate ducts to be connected to a single AC unit, enabling individual air distribution to different zones within a building.

EASYZONE MOTORIZED PLENUM MEASUREMENTS

The Airzone motorized plenum includes:

- The main control board, responsible for managing the system via wired and wireless devices.
- Circular dampers with diameters of 6 and 8 inches (150/200 mm).
- Manual airflow regulation system.

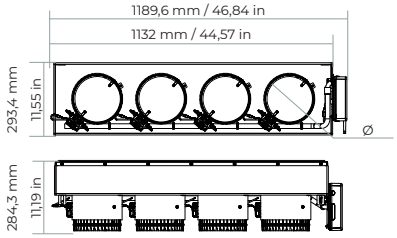
AZS62S[X][X]



AZS62S[X][X]	Dampers	
	3	4
Ø = 6"		x
Ø = 8"	x	

AZS62S[X][X]
- Dampers
- Ø

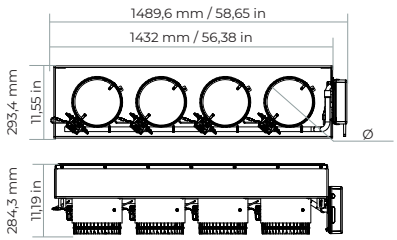
AZS62M[X][X]



AZS62M[X][X]	Dampers	
	4	5
Ø = 6"		x
Ø = 8"	x	

AZS62M[X][X]
- Dampers
- Ø

AZS62L[X][X]



AZS62L[X][X]	Dampers	
	5	6
Ø = 6"		x
Ø = 8"	x	

AZS62L[X][X]
- Dampers
- Ø

EASYZONE S62 MECHANICAL ADAPTION KIT

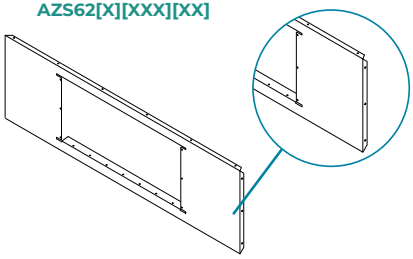
EN

The Airzone motorized plenum is compatible with the Easyzone S62 mechanical adaptation kit (sold separately), which includes:

- Mechanical adapter collar with a custom geometry for ducted AC units or multi-position air handling units (AHUs).
- Communication gateway compatible with the indoor unit. Kits for multi-position AHUs include two AZPV8WIREU extension cables to lengthen the connection.
- Mounting accessories.

Mechanical adapter collars for ducted AC units

AZS62[X][XXX][XX]

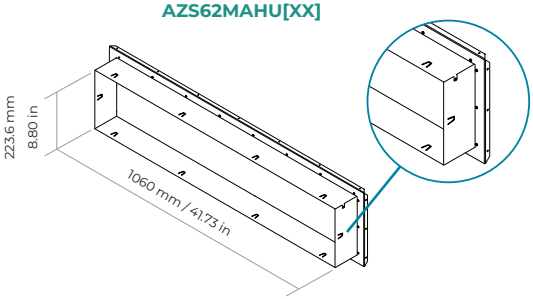


AZS62[X][XXX][XX]

- Range
- Manufacturer
- S: Small
  M: Medium
  L: Large

Mechanical adapter collars for multi-position AHUs

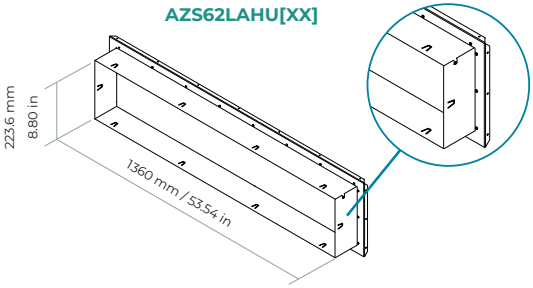
AZS62MAHU[XX]



AZS62MAHU[XX]

- Range

AZS62LAHU[XX]



AZS62LAHU[XX]

- Range

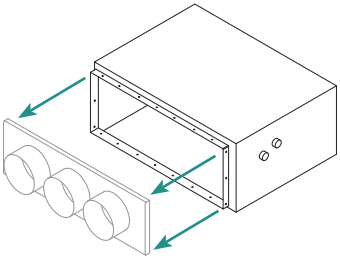
EASYZONE MOTORIZED PLENUM ASSEMBLY

It is recommended to insulate all metal parts of the Easyzone that remain in contact with the outside to prevent condensation.

EN

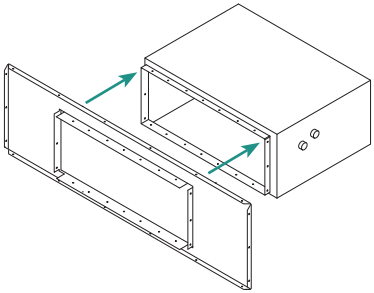
Installation of the adapter collar – ducted AC units

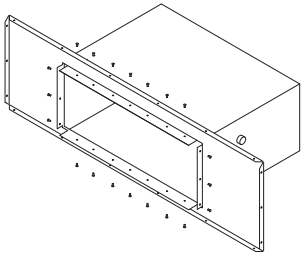
1



If your ducted AC unit has a front panel with circular adapters, remove it before proceeding with the installation of the supplied adapter collar.

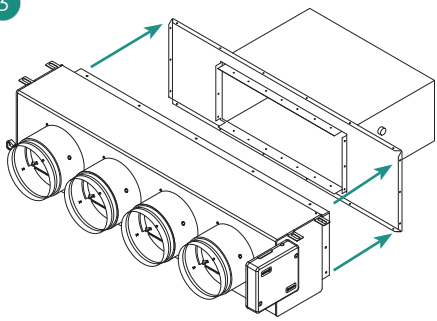
2

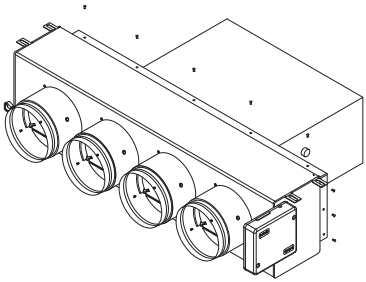




Place the adapter collar of the Easyzone motorized plenum on the unit's supply vent and fix it using the supplied screws.

3

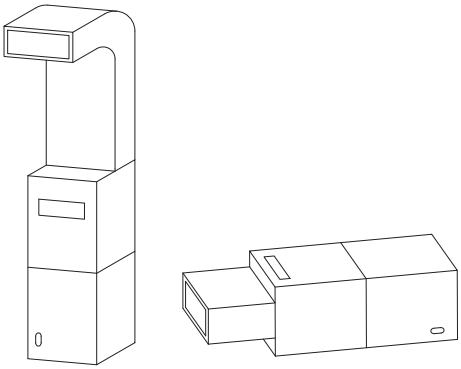




Position the Easyzone motorized plenum body and attach it to the previously installed collar using the supplied screws.

Installation of the adapter collar – Multi-position AHUs

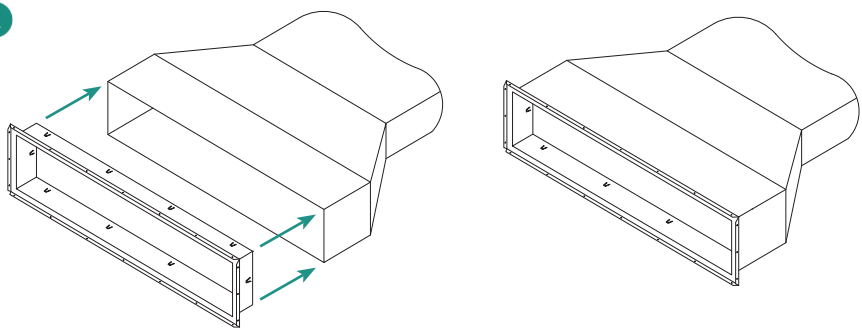
1



The mechanical adapter collar and Easyzone motorized plenum must be installed on a supply air duct, not directly on the multi-position AHU.

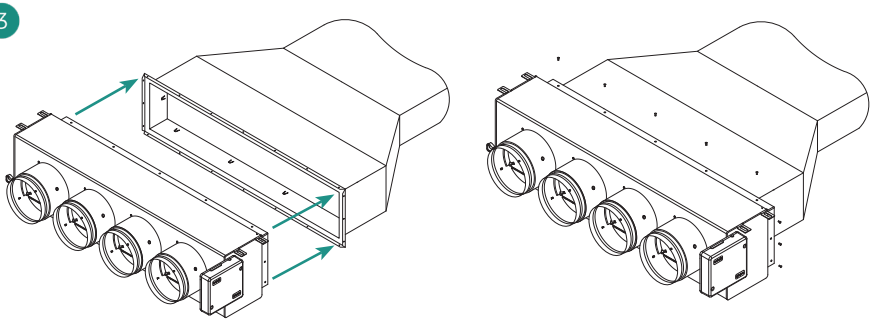
***Note**: The Easyzone motorized plenum must remain in a horizontal position.*

2



Fit the Easyzone motorized plenum's adapter collar to the end of the supply air duct. You may need to make a mechanical adjustment between the collar and the system's ductwork.

3

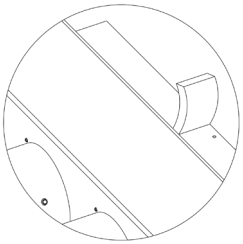


Position the Easyzone motorized plenum body and attach it to the previously installed collar using the supplied screws.

Installation of the motorized plenum

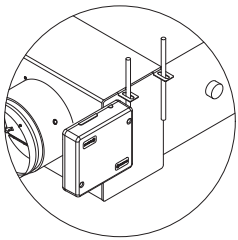
EN

1



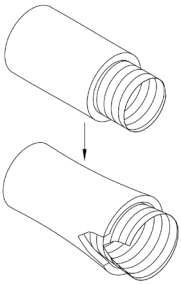
After attaching the motorized plenum to the adapter collar, make sure to insulate the connection between the two. Use insulation strips made of fiberglass or polyethylene foam, 0.98 inches (25 mm) thick. The width of the strips is 3.82 inches (97 mm) for the Standard and Medium motorized plenums, and 1.45 inches (37 mm) for the Slim motorized plenum.

2



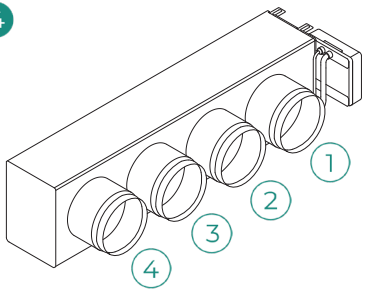
Use threaded rods to fix the motorized plenum to the ceiling through the tabs found at each end.

3



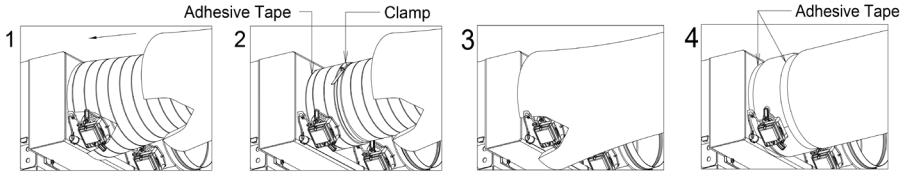
Make a cut at one end of the ducts you intend to use to keep the actuators accessible.

4



Fit each zone's duct to its corresponding damper in the order specified.

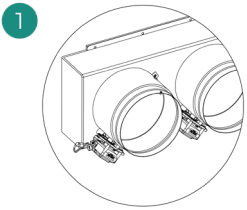
5



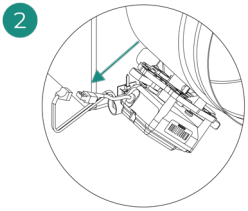
To ensure proper duct insulation, be sure to follow the provided instructions.

EN

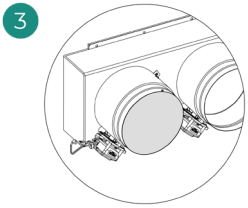
Damper override



Ensure that the damper to be overridden is closed.



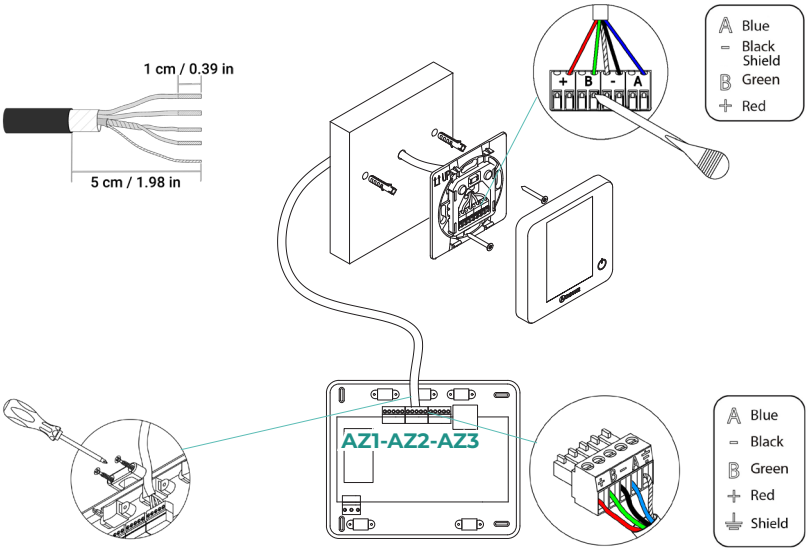
Disconnect the actuator.



Insert the sealing cap on the damper.

THERMOSTAT INSTALLATION

1. Remove the back of the thermostat.
2. Fix the back of the thermostat to the wall.
3. Connect the main control board to any of the three terminals **AZ1, AZ2 or AZ3**. Fix the cables using the main control board turrets.
   If your thermostat is a wireless thermostat, insert the CR2450 button battery.
4. Place the display over the fixed support.
5. Place the anti-vandalism rods (optional) to better hold the thermostat in place.

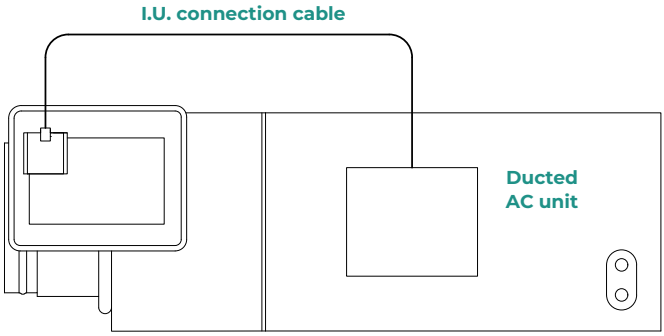


CONNECTION TO THE INDOOR UNIT

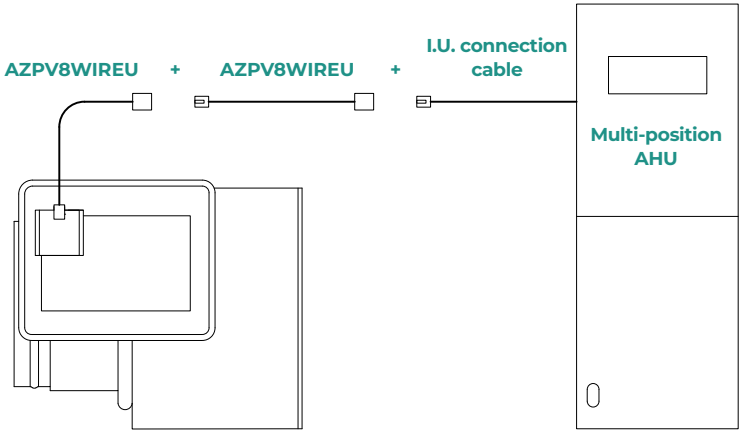
Follow the instructions provided in the gateway's technical datasheet. Installing the system thermostat is recommended.

EN

Ducted AC units



Multi-position AHUs



If you need to increase the connection length between the motorized plenum and the multi-position AHU, use the AZPV8WIREU extension cables included in the mechanical adapter kit. Each extension cable increases the connection length by 8.2 feet (2.5 m).

OTHER PERIPHERALS

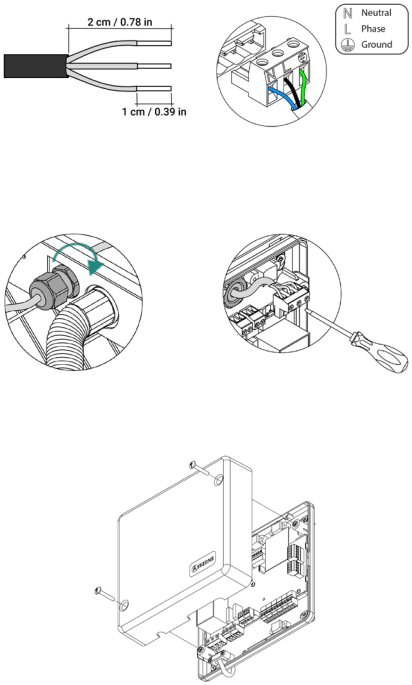
Follow the instructions on their technical data sheet.

EN

Important: *For elements with external power supply at 110/230 VAC, it is only necessary to connect poles "A" and "B" of the bus for communications.*

POWER SUPPLY TO THE SYSTEM

Use power supply input to power the main control board at 110/230 VAC as well as any other control elements that require external power supply. Use 3x1.5 mm^2 (3x0.023 in^2) cable. To supply power to the main control board, loosen the cable gland if necessary, insert the cable through the hole (Ø: 5 - 10 mm [0.2 - 0.4 in]) and attach the cables to the terminal following the polarity indicated. Connect the terminal to the power supply input and tighten the cable gland to attach the power supply cable.



The connection to the external power supply must include a main switch, or other method of disconnection, that includes a constant separation for all polarities, in accordance with appropriate local and national regulations. The system will automatically restart if the power supply is turned off. Use separate circuits for the unit that is to be controlled and the power supply to the system.

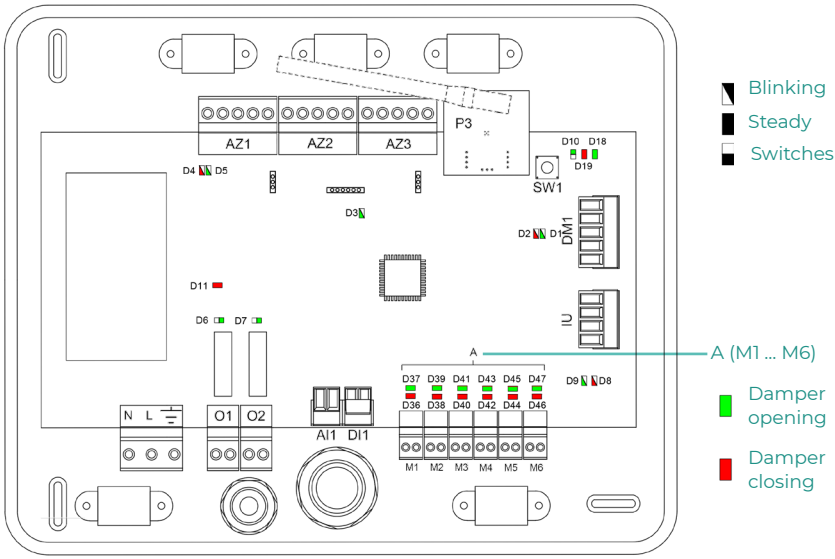
Once all the connections have been made, make sure the cover of the main control board is correctly replaced.

Checking the installation

EN

Check the following items:

1. Status of the main control board LEDs and of the other control elements connected.
2. The main control board LEDs indicating the opening of motorized elements light up in sequence.
3. Power supply to wired and wireless thermostats.



MAIN CONTROL BOARD DATA (AZS62CB2ANT)

Device elements

EN

	Description
AZ1/2/3	Airzone connection bus
P3	Wireless module
SW1	SW1
DM1	Automation bus
IU	AC unit bus
M1...M6	Actuator outputs
DI1	Alarm input (normally close)
AI1	Temperature probe
O1	Auxiliary heat stage 1 output
O2	Auxiliary heat stage 2 output
N L ⏚	Power

Self-diagnosis

N°	Meaning		
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 connection bus	Blinking	Red
D5	Data reception from connection bus	Blinking	Green
D6	1st stage auxiliary heat activated	Switches	Green
D7	2nd stage auxiliary heat activated	Switches	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	Fixed	Red
D18	Associated element	On	Green
D19	Association channel: active	On	Red
A	Open dampers	On	Green
	Close dampers	On	Red

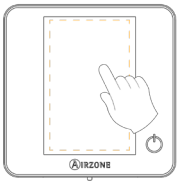
Technical specs

N L ⏚	
V máx	110 / 230 Vac
I máx	250 mA
Frequency	50 / 60 Hz
Stand-by consumption	400 mW
Module over-current protection	250 mA
AZ1 - AZ2 - AZ3 - IU	
Shielded twisted pair stranded	2 x 0,22 + 2 x 0,5 mm^2 (2 x AWG 23 + 2 x AWG 20)
V máx	12 V
DM1	
Shielded twisted pair stranded	2 x 0,22 + 2 x 0,5 mm^2 (2 x AWG 23 + 2 x AWG 20)
Communications protocol	MODBUS RS-485 Par – 19200 bps
Communications via radio (P3)	
Communications protocol	Airzone
Frequency	868.12 MHz (CEE) 915.2 MHz (EEUU, Canada, Austrialia, Nueva Zelanda)
Radiation power	5 dBm
Maximum distance in open space	131 ft (40 m)
M1 ... M6	
N° of outputs	6
Maximum number of outputs per damper	2
V max	12 V
I max	150 mA
O1 - O2	
N° of relays	2
V max	24 Vdc / 48 Vdc
I max	1 A
Operating temperaturas	
Storage	- 20 ... 70 °C (- 4 ... 158 °F)
Operation	0 ... 50 °C (32 ... 122 °F)
Mechanical aspects	
Protection class	IP 21
Weight	1,36 lb (616 g)

Initial configuration

EN

AIRZONE BLUEFACE ZERO



1

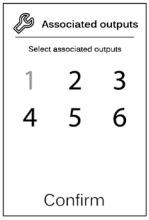
Languages:

- Spanish
- English
- French

2

Select the zone associated to this thermostat. Each zone has a corresponding control output (actuator output).

3



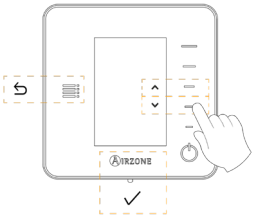
The system allows you to associate more than one control output to a zone if needed. It is therefore possible to manage several control outputs from a single thermostat.

4

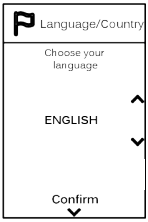
Master: Allows the control of all installation parameters.

Zone: Only allows the control of the zone parameters.

AIRZONE THINK



1



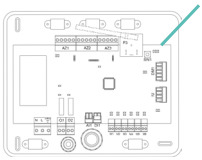
Languages:

- Spanish
- English
- French

2

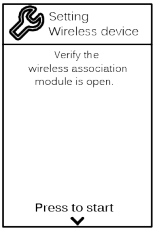
Wireless Think
Open the wireless association channel. To do so, click SW1. Once opened, you have 15 minutes to perform the association. You can also open the wireless association channel through the Blueface zero thermostats.

SW1

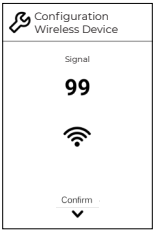


IMPORTANT: Remember not to have more than one channel open in the same installation at the same time.

3

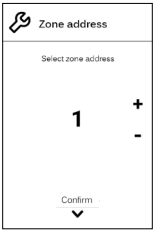


Start the search for the wireless channel.



Check that the signal range is optimal (minimum 30%).

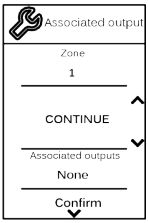
4

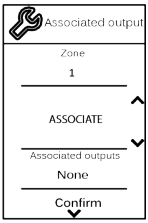


Select the zone associated to this thermostat. Each zone has a corresponding control output (actuator output).

EN

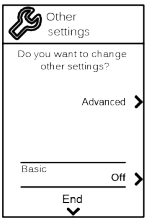
5





The system allows you to associate more than one control output to a zone if needed. It is therefore possible to manage several control outputs from a single thermostat.

6

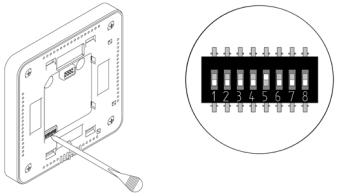


Finish the process, access the advanced settings and/or activate the basic function (the latter allows on/off, speed setting, operation mode setting and temperature setting).

AIRZONE LITE

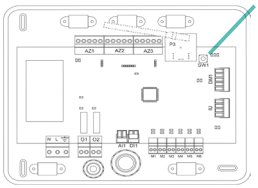
EN

1



Select the zone associated to this thermostat by raising the microswitch corresponding to the zone.

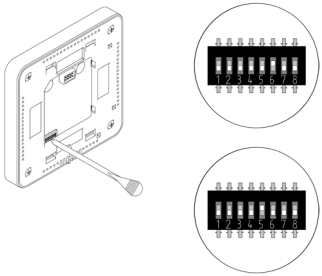
2



Wireless Lite
Open the wireless association channel. To do so, click SW1. Once opened, you have 15 minutes to perform the association. You can also open the wireless association channel through the Blueface zero thermostats.

IMPORTANT: Remember not to have more than one channel open in the same installation at the same time.

3



Select other control outputs associated to the zone if necessary. The zone address will be the one with the lowest number selected (for example, associated output 6 to the zone address 5).

4

If you want to configure other thermostat settings, you must access the zone advanced settings menu from an Airzone Blueface zero thermostat.

The icon ⏻ will blink 5 times in green to indicate that the association is correct. If the icon blinks once in red, this indicates that the zone is occupied, and if it blinks twice in red, it means that the thermostat is not in signal range.

Remember: Should it be necessary to change the zone number, first reset the thermostat and initiate the association sequence.

EN

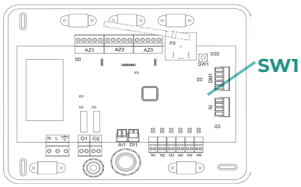
CHECKING THE INITIAL CONFIGURATION

Check the following items:

1. **AC unit - System communication**: Set the Airzone system to an operation mode other than Stop and turn on the zone to generate demand. Verify that the mode imposed on the master thermostat appears on the indoor unit thermostat and that the set point temperature changes on the same.
2. **AC unit - System communication**: Set the Airzone system to Stop mode and verify that the AC unit turns off and dampers open.
3. **Opening / Closing of the dampers and control outputs**: Turn on and generate demand in all the zones. Then turn each zone off and on to check that the associated control outputs are correct.
4. Check that the **static pressure** in the ducted AC unit is in accordance with the conditions of the airflow distribution network in which it is installed (see the manufacturer's manual for the AC unit if you need to modify this parameter).

SYSTEM RESET

If you need to return the system to factory settings, press and hold **SW1** until **LED D19** stops blinking. Wait for the LEDs to return to their normal status and then repeat the initial configuration.



ZONE RESET

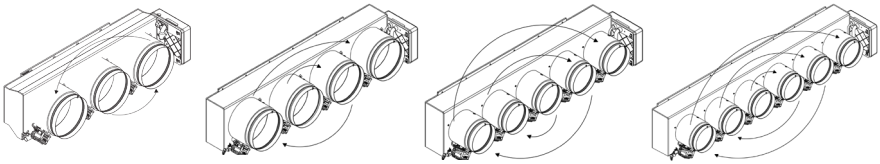
For Blueface zero and Think thermostats, follow the steps indicated in the Advanced settings menu, Zone parameters.

For Lite thermostats, lower all microswitches and replace the thermostat in its base. The icon ⏻ will blink twice in green confirming that the reset has been completed.

Airflow regulation

Important: Start the airflow adjustment from the central dampers and finalize at damper no. 1.

EN

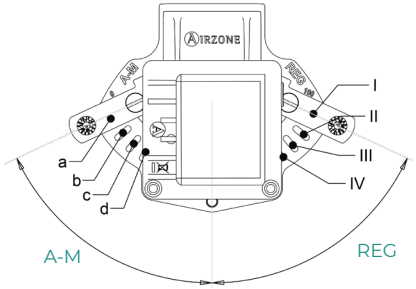


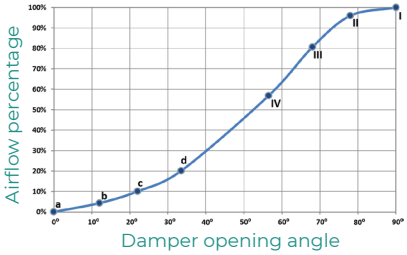
AIRFLOW ADJUSTMENT (REG)

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

MINIMUM AIR ADJUSTMENT (A-M)

1. Turn on and generate demand in all the zones to open all the dampers.
2. Adjust the desired minimum opening with the A-M lever (a/b/c/d).
3. Turn off the zone and verify that the minimum airflow is correct.



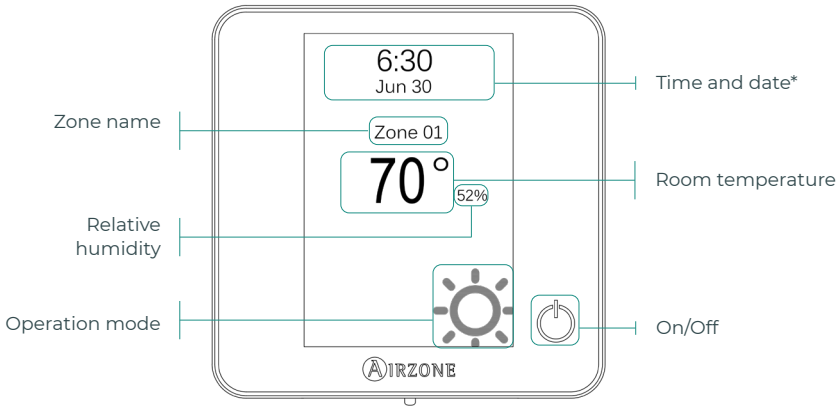


Airzone Interfaces

EN

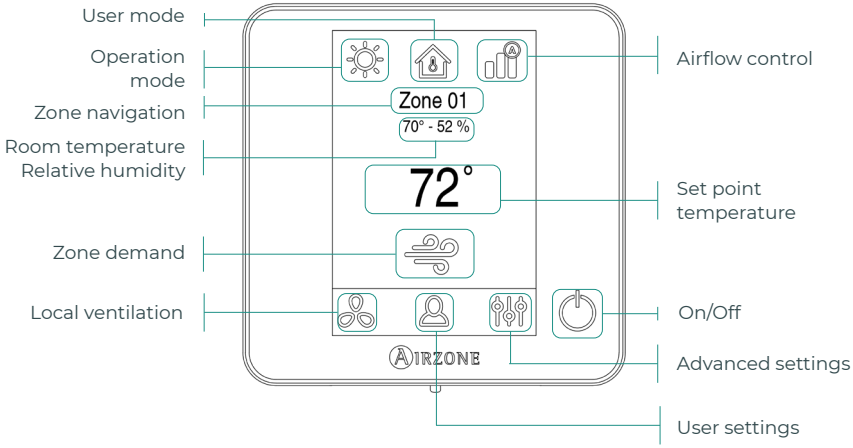
AIRZONE BLUEFACE ZERO

Screensaver



***Note:** If the system has Webserver, weather information will also appear.*

Main screen



HVAC control

On/Off. Pressing the icon turns the zone in which the thermostat is located on or off.

72° **Set point temperature.** Using the - and + signs that appear when you press on the temperature, you can select the desired set point temperature, in steps of 0.5°C (1 °F). The temperature range permitted in heating mode is: 15 – 29 °C (59 – 84 °F). In cooling mode: 18 – 30°C (64 – 86 °F).

EN

Operation mode

This is managed from the master thermostat, press to access the selection menu. The available modes are as follows:

Cooling. In this operation mode, the system only operates with the AC unit in cooling mode when any of the zones associated to the system is generating demand (set point temp. < room temp.).

Heating. In this operation mode, the system only operates with the AC unit in heating mode when any of the zones associated to the system is generating demand (set point temp. > room temp.).

Auto. The Auto mode allows automatic switching between cool and heat, depending on the global demand.

Dry. In this operation mode, the system only operates with the AC unit in dry mode, refreshing the environment and prioritizing the operation to reduce humidity, when any of the zones is generating demand (set point temp. < room temp.).

Note: This mode is ideal for days when humidity is high: it reduces the occurrence of water particles on the grilles.

Emergency heat. This mode activates the Auxiliary Heat to provide heated air in case of a mechanical failure in the system.

Note: This mode is only visible when the installation includes an auxiliary heating device.

User mode

This option is only available in the Blueface zero Thermostat.

Comfort. Default and standard user mode. The desired set point temperature can be selected using the predefined temperature ranges.

Eco. The range of available set point temperatures change for more efficient operation.

Night time. The system automatically changes the set point temperature 0.5 °C (1 °F) every 30 minutes in up to 2 °C (4 °F) in 2 hours. When cooling, the system increases the set point temperature; when heating, the system decreases the set point temperature.

EN

Unoccupied. This mode aims to short periods of absence. Avoids the temperature to surpass the established limit temperature for cooling and heating mode, generating demand with a set point temperature previously established by the installer (27 °C (81 °F) in cooling mode and 17.5 °C (63 °F) in heating mode by default) for returning to the allowed values, as long as the zone is on.

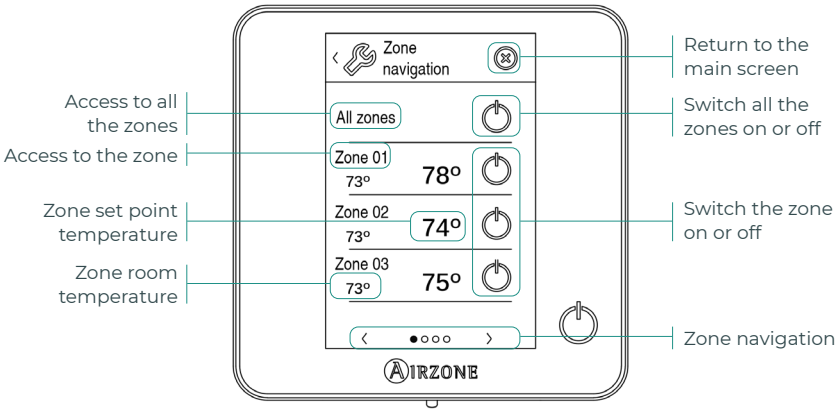
When interacting with the zone while this mode is selected, the controller displays the unoccupied override warning. If the set point temperature is changed, it is maintained for the pre-established period of time.

Vacation. This mode aims to long periods of absence. It turns off all the zones to save energy and turns them on avoiding the temperature to surpass the established limit temperature (35 °C (95 °F) in cooling mode and 10 °C (50 °F) in heating mode), generating demand with the previous set point temperature before activating the vacation mode.

When interacting with the zone while this mode is selected, the controller displays the vacation override warning. If the set point temperature is changed, it is maintained for the preestablished period of time (60 minutes by default) and turns off the zones again.

Stop. The air-conditioning system will remain switched off regardless of the demand status of any zone, all the motorized dampers will remain opened.

Zone navigation



The “All zones” option allows you to control all the zones at the same time, communicating the changes to all of them.

Press the name of a zone to control it remotely from the thermostat. When the system detects a temperature error in a specific zone, the zone displays the error code instead of the room temperature (see Incidents section).

Remote zone navigation icons:

Return to the zone navigation list.
Return to the main screen.

Local ventilation

This option enables the activation or deactivation of the ventilation in the selected zone when the system is not actively cooling or heating any of the zones.

Important: In Heat Pump installations, it is recommended not to activate the global and local ventilation in an Airzone system connected to the master indoor unit. It may cause the Stop user mode to turn off the rest of the Airzone system.

EN

Airflow control

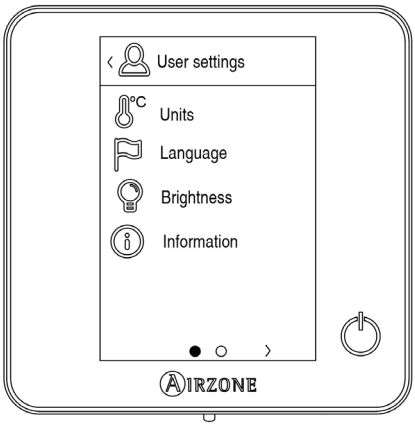
Select the control algorithm that best fits the installation. The available options are:

Silence. The fan speed is lower than in standard mode to reduce the noise.

Standard. Set by default. The system automatically regulates the fan speed based on the number of zones calling for cooling or heating.

Power. The fan speed is higher than in standard mode to increase the flow.

User settings



Units. Select Celsius or Fahrenheit degrees.

Language. Select the language.

Brightness. Adjust the brightness, and enable or disable the screen brightness when the screen saver is active.

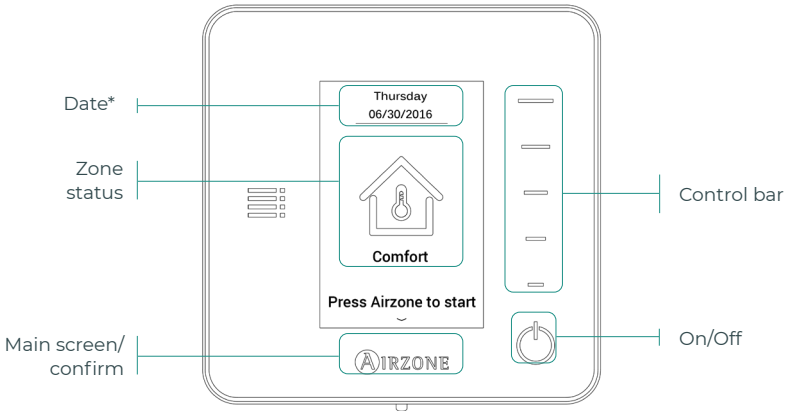
Information. This parameter provides information on:

- Zone: firmware, zone, association, actuator or status of the communications.
- System: firmware, settings and information about the system controllers.
- Devices: It displays the elements connected to the system.
- Webserver: configuration, association, IP Direction and MAC.
- Errors.

AIRZONE THINK

EN

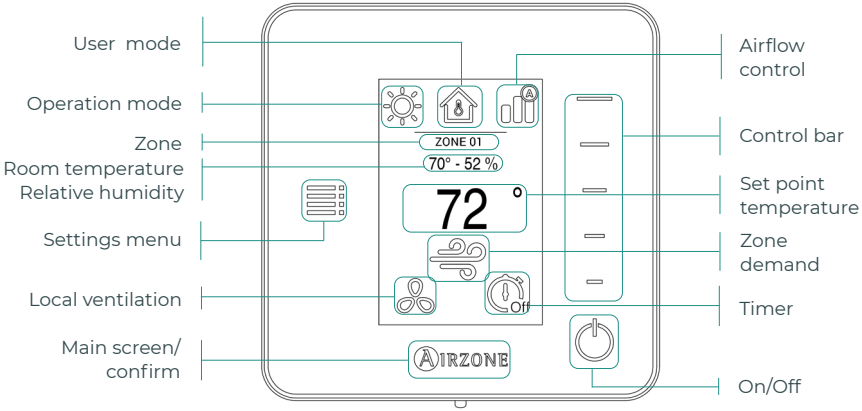
Screensaver



***Note:** If the system has Webserver, weather information will also appear.*

Main screen

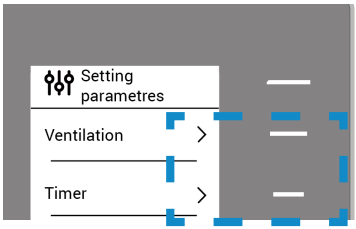
Access the main screen by pressing "Airzone" from the screensaver:



Communication frequency:
- 868.12 MHz (CEE)
- 915.2 MHz (EEUU, Canada, Australia, New Zeland)
Maximum radiated power: 0 dBm

Navigation

To navigate through Wireless Thermostat, follow the instructions you will see on the screen. Press the side buttons on the control bars to execute the instructions.



Adjusting the temperature

On/Off. Press to turn the zone On/Off.

72° **Temperature control.** The temperature displayed on the screen is the current set point temperature. Adjust the set point temperature on the Think Thermostat following the next instructions:

Select the set point temperature using the control bar (by pressing or by sliding) to manually adjust by increments of 0.5 °C (1 °F). Press once to adjust the set point temperature by increments of 0.5 °C (1 °F). Slide to adjust the set point temperature in larger steps. The permitted temperature range is:

- Heating Mode: 15 °C – 29 °C (59 – 84 °F).
- Cooling Mode: 18 °C – 30 °C (64 – 86 °F).

Note: *Press the Airzone button to switch between heat and cool set point temperatures.*

There is a minimum difference allowed between heating and cooling set point temperatures. The system will prevent setting a temperature within the protection range.

Settings menu

Local ventilation. This option enables the activation or deactivation of the ventilation in the selected zone when the system is not actively cooling or heating any of the zones.

EN

Important: In Heat Pump installations, it is recommended not to activate the global and local ventilation in an Airzone system connected to the master indoor unit. It may cause the Stop user mode to turn off the rest of the Airzone system.

Timer. It is an auto power-off timer of the zone:

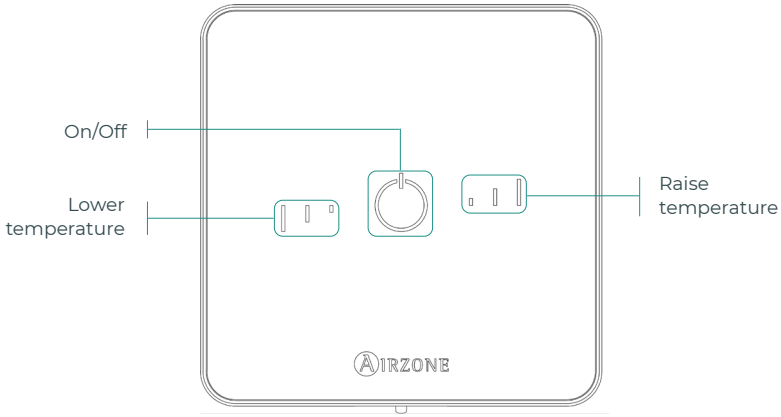
- **Off.** Timer is not activated.
- **30.** Thirty minutes after its activation, the zone will turn off.
- **60.** Sixty minutes after its activation, the zone will turn off.
- **90.** Ninety minutes after its activation, the zone will turn off.

Information. This parameter provides information on:

- Zone: firmware, zone, association, actuator or status of the communications.
- System: firmware, settings and information about the system controllers.
- Devices: It displays the elements connected to the system.

Zone navigation. This parameter is only available when there is an error with the master Blueface zero thermostat. Access and modify the set point temperature, mode, user mode and flow rate parameters via the "all zones" option.

AIRZONE LITE



Communication frequency:
- 868.12 MHz (CEE)
- 915.2 MHz (EEUU, Canada, Australia, New Zeland)
Maximum radiated power: 0 dBm

Important: After 10 seconds of inactivity, the wireless Lite thermostat will turn off all its LEDs to save battery power. A first press on shows the zone status (On/Off, operation mode and temperature). After this first press you can change the desired parameter (On/Off or temperature).

Basic functions

On/Off. Pressing the icon turns the zone in which the thermostat is located on or off. This button also indicates the system's operation mode. It has a range of colors:

- **Purple:** the system is shut down; the operation mode is Stop.
- **Red:** the operation mode is Heating.
- **Blue:** the operation mode is Cooling.
- **Green:** comfort; the set point temperature has been reached.

If the button shows a steady light, the controller is switched on.
If the button is blinking, the controller is off.
The button remains steady for 10 seconds to show its status, and then it turns off.

Set point temperature. Using the buttons you can raise or lower the set point temperature by up to 3°C (6 °F) (in steps of 0.5 °C (1 °F)) with regard to the base set point temperature defined in Lite settings parameter of Airzone Cloud. The LED lights indicate the set point temperature.

In the event that the temperature limit is exceeded, the temperature adjustment icons will flash, indicating that you have reached the limit.

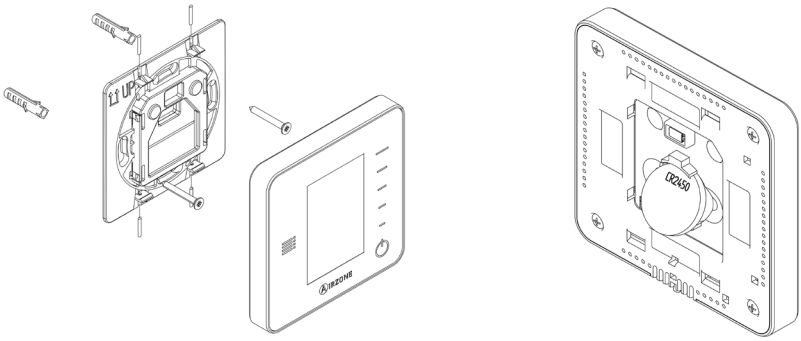
CHANGE OF BATTERY

When the low battery icon appears on the display, the battery must be replaced.

EN

Note: *In the case of wireless Lite thermostats, a "Lite low battery" warning message will appear on Blueface zero thermostats.*

To replace the battery, separate the thermostat from its base and replace the battery (CR2450).



Important: The use of batteries from leading brands is recommended, similar to those provided. A battery of lesser quality may have a reduced life.

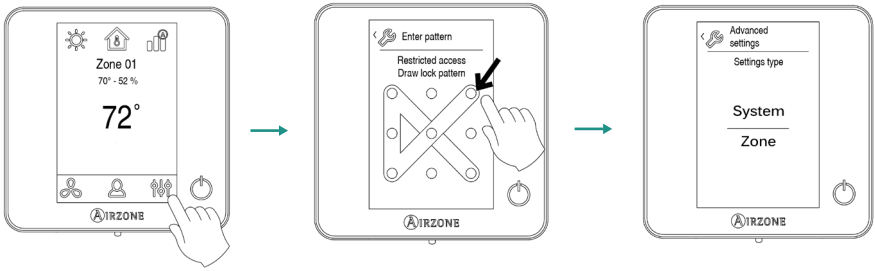
Remember to place the old battery in an appropriate recycling bin.

Note: *Remember to remove the anti-vandalism system (if installed) before removing the thermostat from the wall.*

System advanced settings

EN

AIRZONE BLUEFACE ZERO



Press and hold

System parameters

- **System address.** *(Not available on systems with BACnet gateway).* This allows you to define the number of the system in your installation.

- **Temperature range (Stages).** *(Only available through Airzone Cloud).* This allows you to select the maximum temperature for heating mode (18 – 30 °C / 64 – 86 °F, by default 30 °C / 86 °F) and minimum temperature for cooling mode (18 – 26 °C / 64 – 78 °F, by default 18 °C / 64 °F), in steps of 1 °C / 2 °F. If you want, you can disable any of the modes.

- **Global ventilation.** *(Only available through Airzone Cloud).* This allow you to activate/deactivate the fan mode in all zones when the system is not actively heating or cooling any zones. By default, the global ventilation is deactivated. When activated, the following settings have to be configured:

  1. **Every (min).** Configure the length of the interval (in minutes) between periods of activation of global ventilation. Configurable from 5 to 40 minutes, in 5 minutes increments (by default, 15 minutes).

  2. **Run for (min).** Configure the time duration (in minutes) that global ventilation is activated. Configurable from 5 to 20 minutes, in 5 minutes increments (by default, 10 minutes).

  Note: *When global ventilation is activated, a warning message will appear on the screensaver.*

- **Type of opening.** This allows you to enable/disable the proportionality of the system dampers. Proportionality scales the opening or closing of the damper in 4 steps according to the temperature demand of the zone, adjusting the zone airflow rate. By default, it is set to Modulating.

  If you select the Modulating option, select the desired damper and set the REG lever position, where position I is completely open.

- **Radio channel.** *(Only available through wired thermostat).* This allows you to enable/disable the system's wireless association channel.

  Note: *When the radio channel is opened, it will remain open for 15 minutes.*

- **Away mode settings.** *(Only available through Airzone Cloud).* This option allow you to configure the parameters of the Unoccupied user mode and the Vacation user mode:

  1. **Hysteresis.** If the set point temperature is surpassed by the differential defined, the zone will cease demand. Range: 1 to 3,5 °C / 2 to 7 °F in steps of 0,5 °C / 1 °F (by default 3 °C / 6 °F).

  2. **Override time (min).** Sets time (in minutes) that the zone will resume the selected away mode when the user touches the thermostat screen during an away period. Values: 10 to 120 minutes in steps of 10 minutes. By default, 60 minutes.

- **Auxiliary heat.** *(Only available through Airzone Cloud).* This allow you to enable/disable the auxiliary heat. By default, the auxiliary heat is disabled. When auxiliary heat is enabled, the following parameters need to be configured:

  1. **Configuration menu**

     o **Available stages.** Defines how many stages of auxiliary heat a system has (1 or 2).

     o **First supply heat.** Select the first system to supply heat: Heat pump or Auxiliary heat.

     o **Fan configuration.** Select between Electric (fan on) or Furnace (fan off) option. If you select Electric option, define:

       - **Fan delay (s).** Defines the delay time (in seconds) to turn off the fan when there is no demand from the Auxiliary heater. Values: 0, 45, 60 and 120 seconds.

  2. **First stage menu**

     o **First stage differential.** Defines the temperature differential that the system has to surpass to activate the first stage of auxiliary heat. Values: 1 to 5 °C / 2 to 10 °F, in increments of 1 °C / 2 °F (by default, 1 °C / 2 °F).

     o **First stage hysteresis.** Defines the hysteresis for the operation of the first stage. Values: 0,5 to 1 °C / 1 to 2 °F, in increments of 0,5 °C / 1 °F (by default 0,5 °C / 1 °F).

     o **Min. time exhausted.** Defines the minimum time (in minutes) that the first supply heat must be active before the first stage of auxiliary heat can be activated. Values: 0, 45, 60 and 120 minutes. By default, 45 minutes.

3. **Second stage menu**

o **Second stage differential.** Defines the temperature differential that the system has to surpass to activate the second stage of auxiliary heat. Values: 1 to 5 °C / 2 to 10 °F, in increments of 1 °C / 2 °F (by default 1 °C / 2 °F).

o **Second stage hysteresis.** Defines the hysteresis for the operation of the second stage. Values: 0,5 to 1 °C / 1 a 2 °F, in increments of 0,5 °C / 1 °F (by default 0,5 °C / 1 °F).

o **Min. time exhausted.** Defines the minimum time (in minutes) that the first stage must be active before the second stage of auxiliary heat can be activated. Values: 0, 45, 60 and 120 minutes. By default, 45 minutes.

Note: *If the auxiliary heat is electrical and the installation is heat pump type, then the first one to supply heat must be heat pump in the master system.*

- **Mode Auto.** *(Only available through Airzone Cloud).* This option allows the user to configure the three values that define the auto-changeover operation that sets the mode of the indoor unit:

  o **Set point differential.** Defines the minimum differential between heating and cooling set points. Values: 0 to 3,5 °C / 0 to 7 °F, in steps of 0,5 °C / 1 °F (by default, 1 °C / 2 °F).

  o **Mode switching protection (min).** Defines the minimum run time (in minutes) of any mode before allowing a mode change. Values: 15, 30, 60 and 90 minutes. By default, 30 minutes.

  o **Heat OVR temp**. If a zone has a higher heating demand than this temperature, the system reverts heating operation even if the cooling global demand exceeds the global heat demand. Values: Off, 1,5 to 4 °C / 3 to 8 °F in increments of 0,5 °C / 1 °F. Default value: Off.

- **BACnet.** *(Only available through Airzone Cloud).* This parameter shows the device ID, uplink port, IP address, subnet mask and gateway IP and allows you to modify them. Click on the desired value, modify the parameters and click on the option to confirm. The default values are:

  - Device ID: 1000
  - Port: 47808
  - IP address: DHCP

- **Room temperature.** *(Only available through Airzone Cloud).* This option allows the room temperature and relative humidity to be shown/hidden. By default, they are shown.

- **Lite step.** *(Only available through Airzone Cloud or wired thermostat).* This option allow you to configure the base temperature increments of the Lite thermostats. Values: 0,5 or 1 °C / 1 or 2 °F (by default, 0,5 °C / 1 °F).

- **Reset system.** *(Only available for master thermostat).* This allow you to reset the system and returns it to factory settings. To reconfigure the thermostats, please check Initial configuration.

- **Remote assistance.** *(Only available through wired thermostat).* This option enables/disables remote assistance. By default, remote assistance is disabled.

  Note: *The remote assistance parameter allows a qualified technician to access remotedly to the installation in order to perform a diagnose of it.*

Zone parameters

- **Associated outputs.** This displays and allows you to select the control outputs associated to the thermostat.

- **Thermostat settings.** This allows you to set up the thermostat as Master or Zone.

  Note: *It cannot be configured as Master if there is already another thermostat configured as such.*

- **Use mode.** *(Only available through Airzone Cloud).* This allows you to configure the thermostat for the system's different zones in Basic or Advanced mode. By default, it is set to Advanced. The parameters that can be controlled in Basic mode are:

  - On/Off.
  - Set point temperature.
  - Operation mode (only if this is the master thermostat).
  - Fan speed.

  If you need to reset the thermostat to Advanced mode, access the Advanced settings menu and activate Advanced use mode.

- **Offset.** This allows you to correct the room temperature measured in the different zones or in all of them, due to deviations produced by sources of heat/cold nearby, with a correction factor between - 2,5 °C / - 5 °F and 2,5 °C / 5 °F in steps of 0,5 °C / 1 °F. By default, it is set to 0 °C / 32 °F.

- **User mode set point.** This option is used to configure the set point temperature of each user mode for each zone:

  o **Comfort.** Heating mode: 15 to 30 °C / 59 to 86 °F, by default 20 °C / 68 °F. Cooling mode: 18 to 30 °C / 64 to 86 °F, by default 24 °C / 75 °F.

  o **Eco.** Heating mode: 15 to 30 °C / 59 to 86 °F, by default 19 °C / 66 °F. Cooling mode: 18 to 30 °C / 64 to 86 °F, by default 25 °C / 77 °F.

  o **Unoccupied.** Heating mode: 15 to 22 °C / 59 to 72 °F, by default 17 °C / 63 °F. Cooling mode: 24 to 30 °C / 75 to 86 °F, by default 27 °C / 81 °F.

  o **Vacation.** Heating mode: 10 to 16 °C / 50 to 61 °F, by default 10 °C / 50 °F. Cooling mode: 29 to 35,5 °C / 84 to 96 °F, by default 35 °C / 95 °F.

- **Weight.** This option is used to set the weight of each zone for purposes of determining system operation. The weight of the zone will be used for calculating the mode (auto-change over) or for calculating heat demands when using auxiliary heat. Options: Auto or Manual.

  o **Auto.** *(By default).* The weight of each zone is automatically assigned based on the number of zones.

  o **Manual.** Enables to manually define the weight of each zone. Values: 0 to 100.

- **Reset thermostat.** *(Not available in remote zones).* This allows you to reset the thermostat by returning to the initial settings menu.

AIRZONE THINK

Remember: *To access the main screen from the wireless thermostat screensaver, press on Airzone.*

- **Associated outputs.** *(Not available on systems with BACnet gateway).* This displays and allows you to select the control outputs associated to the thermostat.

- **Use mode.** This allows you to configure the thermostat for the system's different zones in Basic or Advanced mode. By default, it is set to Advanced. The parameters that can be controlled in Basic mode are:

  - On/Off.
  - Set point temperature.
  - Operation mode (only if this is the master thermostat).
  - Fan speed.

  If you need to reset the thermostat to Advanced mode, access the Advanced settings menu and activate Advanced use mode.

- **Offset.** This allows you to correct the room temperature measured in the different zones or in all of them, due to deviations produced by sources of heat/cold nearby, with a correction factor between - 2,5 °C / - 5 °F and 2,5 °C / 5 °F in steps of 0,5 °C / 1 °F. By default, it is set to 0 °C / 32 °F.

- **Weight.** This option is used to set the weight of each zone for purposes of determining system operation. The weight of the zone will be used for calculating the mode (auto-change over) or for calculating heat demands when using auxiliary heat. Options: Auto or Manual.

  o **Auto.** (By default). The weight of each zone is automatically assigned based on the number of zones.

  o **Manual.** Enables to manually define the weight of each zone. Values: 0 to 100.

- **Reset thermostat.** *(Not available in remote zones).* This allows you to reset the thermostat by returning to the initial settings menu.

Incidents

EN

In the case of Airzone Blueface zero and Think thermostats, a warning will appear on the display screen.

WARNINGS

Active window. Indicates that the air conditioning has been suspended in the zone due to an open window. Only available in systems that have enabled the control of windows.

Unoccupied override. A zone has been activated while the user mode is set on Unoccupied. The system will start using the Comfort Mode during the selected override time. When the override time has expired, the system returns to its previous status.

Vaccancie override. A zone has been activated while the user mode is set on Vacation. If the set point temperature is changed, it is maintained for the pre-established period of time (60 minutes by default) and turns off the zones again.

Global ventilation. *(Only main wired thermostat)* The global ventilation is activated. To set the activation intervals of the global ventilation and the duration of them.

Low battery Lite. *(Only wired thermostat)* Displayed when the interface has low battery. You will know the zone the warning comes from by pressing on the icon in the main screen. It has 2 weeks of life left in normal conditions.

Low battery. *(Only wireless thermostat)* Low battery warning. It has 2 weeks of life left in normal conditions.

ERRORS

In the case of any of the following errors, please contact your installer:

Communication errors

1. Thermostat – Main control board
8. Lite thermostat – Main control board
9. Gateway – Airzone system
11. Gateway – Indoor unit
12. Webserver – Airzone system

AC unit error. Anomaly in the AC unit

Other errors

5. Open circuit in temperature probe
6. Short circuit in temperature probe

Airzone Lite errors

In the case of Airzone Lite thermostats, if the On/Off icon blinks rapidly in red, it means communication with the main control board has been lost.

Communication errors

Error 1. Thermostat (wired) – Main control board

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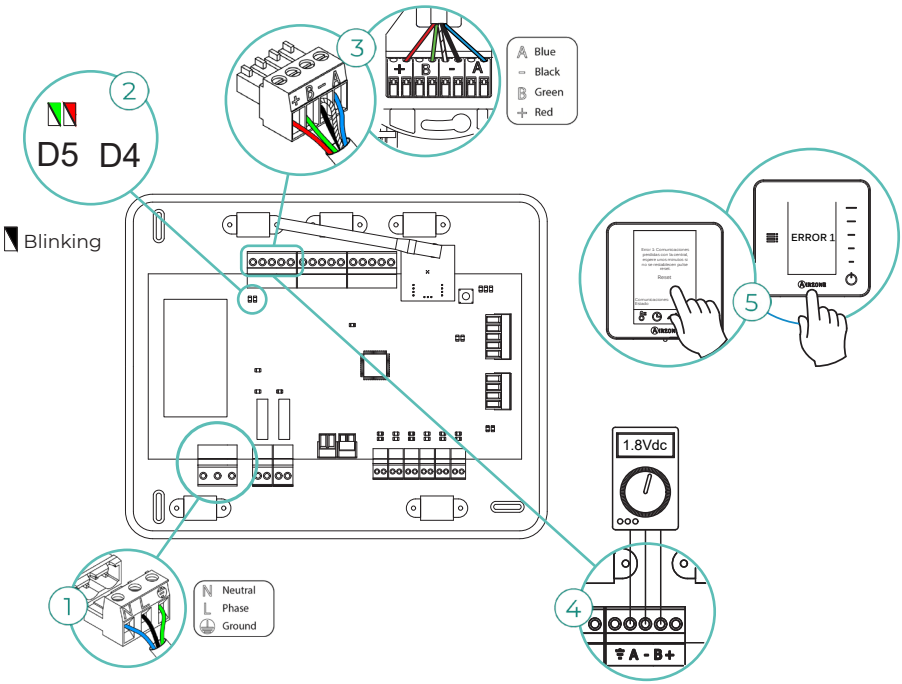
This issue prevents zone control. Check whether the error appears on all thermostats. If so, verify that the system's main control board is working correctly. To resolve this issue, check the following:

1. Main control board status: Ensure proper power supply.
2. Main control board status: Confirm correct operation of the Airzone connection bus LEDs.
3. Connections: Verify correct polarity of the main control board and thermostat connectors.
4. Wiring: Check that the voltage between poles (A/-) and (B/-) is 1.8 VDC.
5. Restart the zone and re-associate it with the system:
   - Blueface Zero thermostats: Tap *Reset* to restart the device. If the error persists, press and hold the icon to reset the thermostat. Then complete the system's initial setup process.
   - Think thermostats: Press and hold AIRZONE and complete the system's initial setup process.
6. System restart: If the system is restarted, the thermostats may display this error message during the initialization process. The message should automatically clear once initialization is complete, which typically takes about 30 seconds.



Error 1. Thermostat (wireless) – Main control board

This issue prevents zone control. Check whether the error appears on all thermostats. If so, verify that the system's main control board is working correctly. To resolve this issue, check the following:

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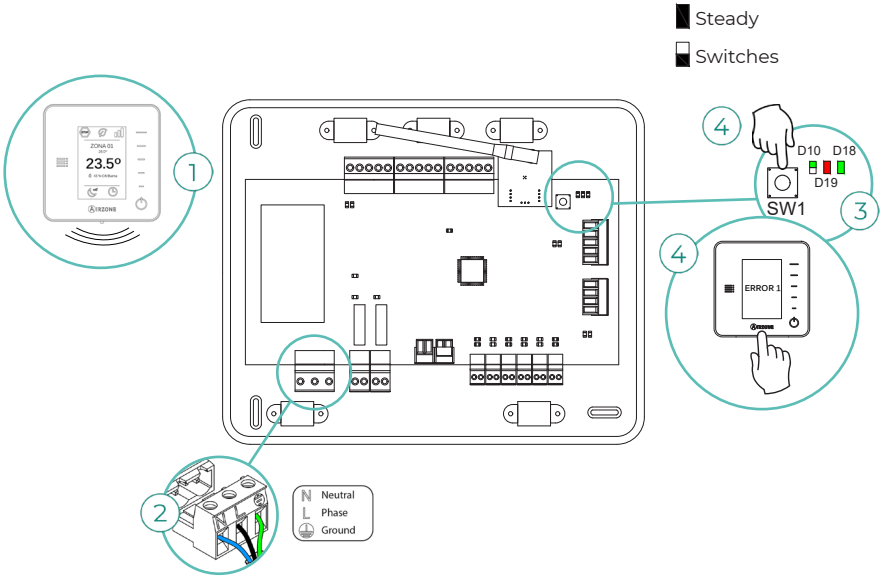
1. Thermostat status: Check the thermostat's signal range with the main control board using the “Information” parameter (see the section “Advanced System Settings,” “System” parameters), or move the thermostat closer to the main control board. If communication is restored, it will be necessary to relocate the thermostat, since it was out of range.

2. Main control board status: Ensure proper power supply.

3. Main control board status: Confirm correct operation of the wireless communication LEDs.

4. Restart the zone and re-associate it with the system: Press and hold AIRZONE and complete the system’s initial setup process. Before associating wireless devices, open the wireless association channel either by pressing the “SW1” button on the main control board, or from any thermostat via the “Radio Channel” parameter of the “Advanced System Settings” menu, “Zone” parameters.

5. System restart: If the system is restarted, the thermostats may display this error message during the initialization process. The message should automatically clear once initialization is complete, which typically takes about 30 seconds.



Error 8. Thermostat Lite (wired) – Main control board

The zone loses the room temperature reading from an associated wired Lite thermostat, leaving the zone unable to generate demand. From your Blueface Zero thermostat, check which Lite thermostat has lost communication. To resolve this issue, check the following:

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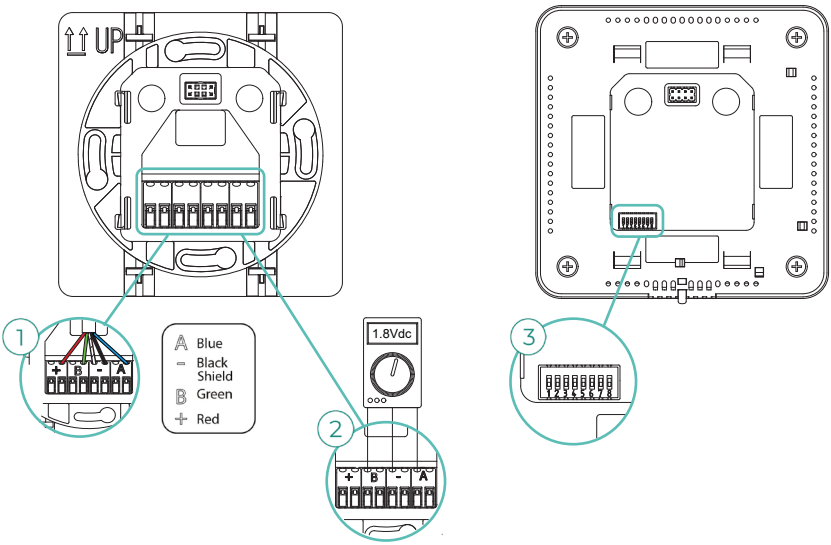
1. Connections: Verify the correct polarity of the connectors between the main control board and the probe.

2. Wiring: Check that the voltage between poles (A/-) and (B/-) is 1.8 VDC.

3. Make sure the thermostat in question has the microswitch corresponding to the associated zone selected. If not, activate it by lifting the tab for the desired value.

Remember: *Should it be necessary to change the zone number, first reset the thermostat and initiate the association sequence.*



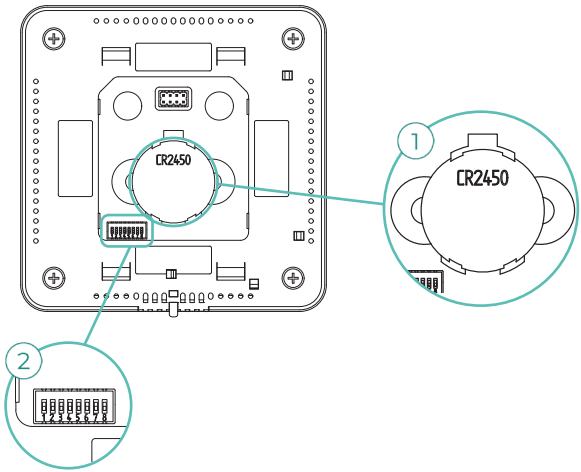
Error 8. Thermostat Lite (wireless) – Main control board

The zone loses the room temperature reading from an associated wireless Lite thermostat, leaving the zone unable to generate demand. From your Blueface Zero thermostat, check which Lite thermostat has lost communication. To resolve this issue, check the following:

1. Power: Check the battery status and, when in doubt, replace it with a new one.

2. Make sure the Lite thermostat in question has the microswitch set to the associated zone. If not, activate it by lifting the tab for the desired value. Reminder: For wireless device association, you must first open the wireless association channel, either from the main control board using the “SW1” button or from any thermostat via the “Radio Channel” parameter within the “Advanced System Settings” menu, “Zone” parameters.

Remember: *Should it be necessary to change the zone number, first reset the thermostat and initiate the association sequence.*



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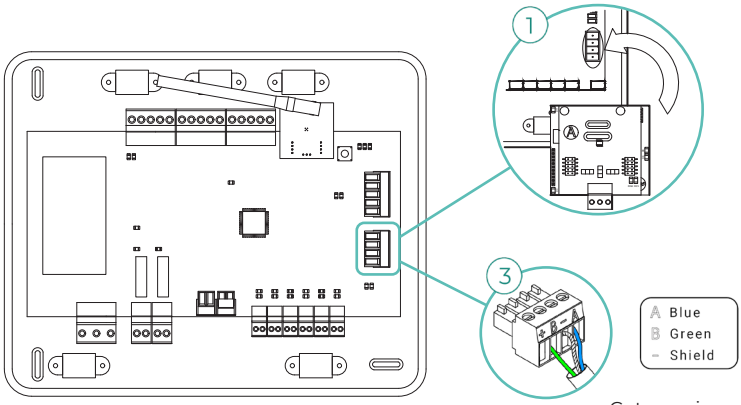
Error 9. Gateway – Airzone System

The system loses communication with the gateway and, therefore, with the AC unit. The system will open all zones and disable control from the system thermostats, allowing the unit to be operated from the manufacturer's thermostat. To resolve this issue, check the following:

1. Ensure the gateway is properly connected to the main control board's IU port.
2. For gateways in DIN-rail format, verify the correct polarity of the connectors of the gateway and the main control board's IU port.
3. Check the status of the LEDs on the connected gateway. For details, refer to the gateway's self-diagnostic section or its technical datasheet.



Gateway in DIN format

Error 11. Gateway – Indoor Unit

The gateway loses communication with the AC unit. The system will open all zones and disable control from the system thermostats, allowing the unit to be operated from the manufacturer's thermostat. To resolve this issue, check the following:

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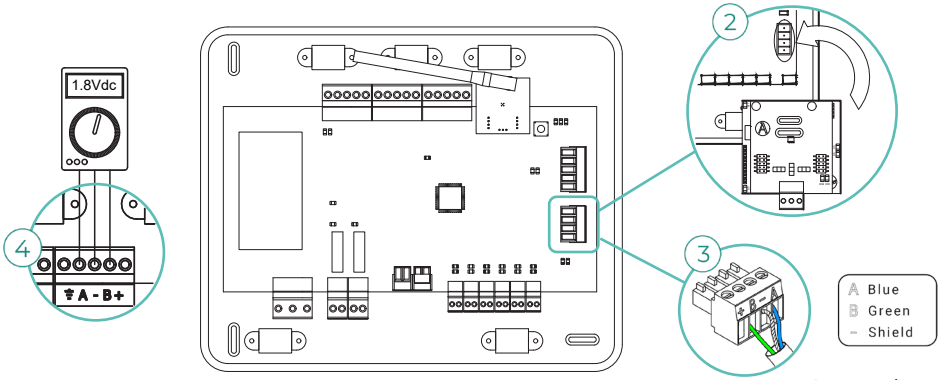
1. Ensure the AC unit is powered. To verify, check that the unit's thermostat is turned on.
2. Confirm the indoor unit works correctly when independent from the system. To do this, disconnect the AC unit from the Airzone system and operate it directly using the AC unit's thermostat.
3. Connections: Check the correct polarity and connection of the connectors between the gateway and the indoor unit. Refer to the technical datasheet of the corresponding gateway.
4. Wiring: In DIN-rail gateways, check that the voltage between poles (A/-) and (B/-) is 1.8 VDC.
5. Check the status of the LEDs on the connected gateway. For details, refer to the gateway's self-diagnostic section or its technical datasheet.

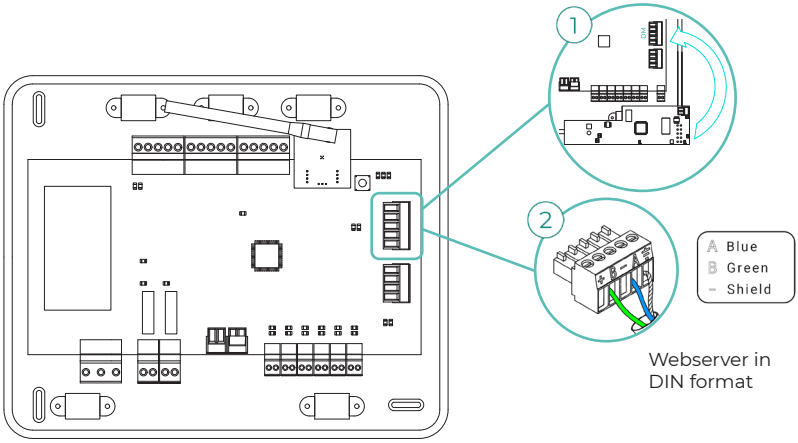


Gateway in DIN format

Error 12. Webserver – Airzone System

The system loses communication with the Webserver. To resolve this issue, make the following checks:

1. Check that the Webserver is properly connected to the main control board's automation port.
2. If the Webserver is a DIN rail format, check that the polarity of the connectors of the Webserver and the main control board's automation port is correct.
3. Check the status of the LEDs on the Webserver. Refer to the self-diagnostic section or the technical datasheet of the Webserver.



Webserver in DIN format

Machine error. Anomaly in the AC unit

Consult the type of incident on the AC unit's thermostat and perform the repair actions indicated by the manufacturer.

Other errors

Error 5: Open Circuit in Temperature Probe

The zone loses the room temperature reading, leaving it unable to generate demand. In this case, replace the device or send it for repair.

Error 6: Short Circuit in Temperature Probe

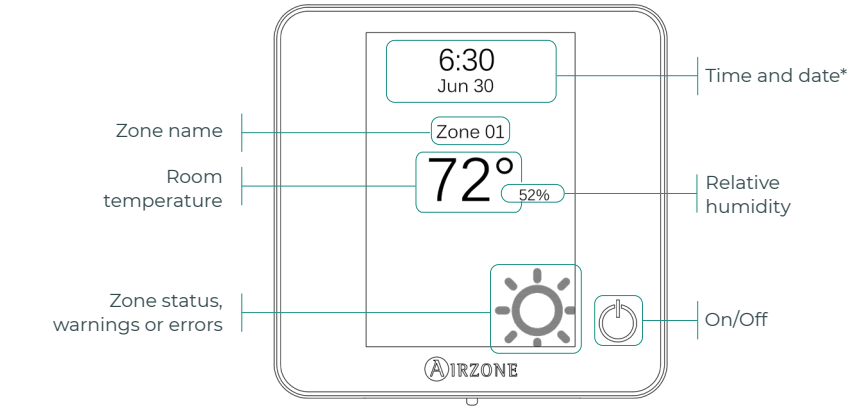
The zone loses the room temperature reading, leaving it unable to generate demand. In this case, replace the device or send it for repair.

Navigation trees

EN

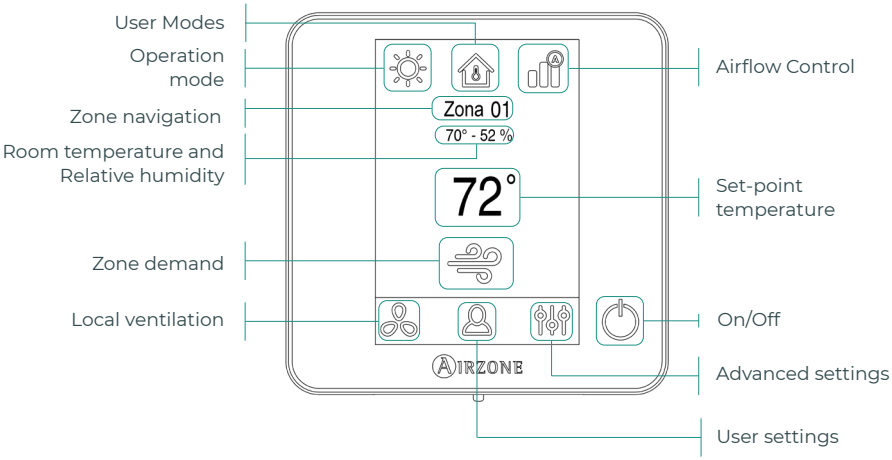
AIRZONE BLUEFACE ZERO

Screensaver



***Note:** If the system has Webserver, weather information will also appear.*

Main screen



EN

Screensaver

- Time and date
- Current zone
- Room temp.*
- Relative humidity*
- Zone status
- Weather information

*Configurable values

Touch any place on the screen.

Main screen

Operation mode
- Cool
- Heat
- Auto
- Dry
- Ventilation
- Emergency Heat

User modes
- ECO
- Vacation
- Stop
- Comfort
- Unocuppied
- Night time

Airflow Control
- Power
- Standard
- Silence

User settings
- Units
- Language
- Brightness
- Information

Current zone

Room temp.

Set-point temp.
+Temp.
-Temp.

Relative humidity

Local ventilation

ON/OFF

Press and hold on the zone settings Icon.

Advanced settings

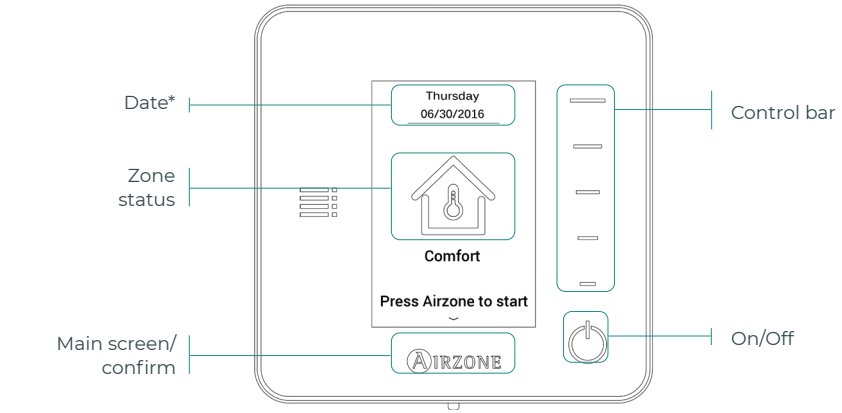
Zone
- Linked zones
- Thermostat type
- User mode setpoint
- Control stages**
- Offset
- Weight
- Reset thermostat

System
- System ID**
- Temperature range
- Type of opening
- Radio channel
- BACnet**
- Lite step
- Remote assistance
- Reset system

** *Available in function of the installation type and the system settings.*

AIRZONE THINK

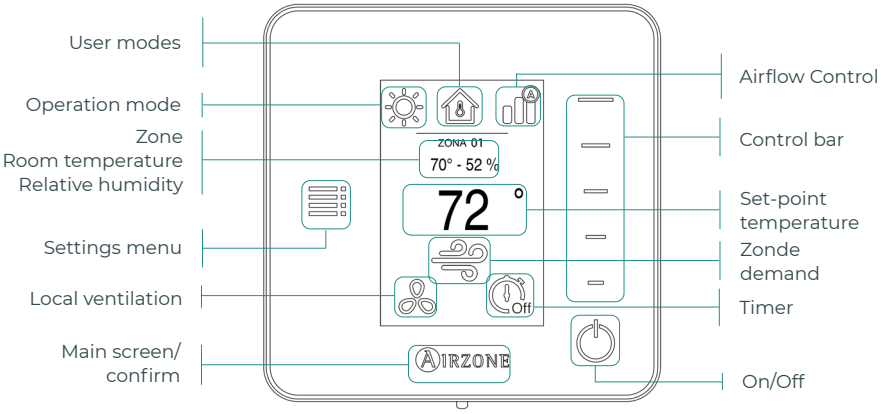
Screensaver



***Note:** If the system has Webserver, weather information will also appear.*

Main screen

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



EN

Screensaver

- Date*
- Current zone*
- Zone status
- Weather information*
- Airzone

*Depending on the devices connected

Press on Airzone.

Main screen

INFORMATIVE ICONS

Operation mode
- Cool
- Heat
- Auto
- Dry
- Ventilation
- Emergency Heat

User modes
- ECO
- Vacation
- Stop
- Comfort
- Unocuppied
- Night time

Airflow Control
- Power
- Standard
- Silence

Relative humidity and Room temperature

Current zone

Set-point temp.
+Temp.
-Temp.

Timer

CAPACITIVE BUTTONS

On/Off

Airzone

Settings menu
Local ventilation
Timer
Information
*Zone navigation
*Only available if no Master wired thermostat.

Control bar

Press and hold twice on Airzone.

Advanced settings

Linked Zones
Menu Mode
Offset
Weight
Reset Thermostat

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