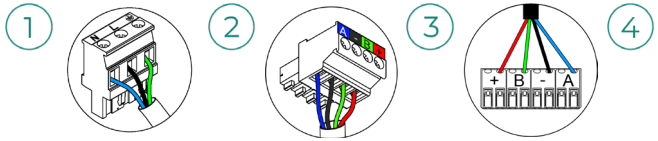
EN

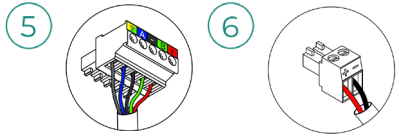
Installation Manual

Flexa 4.0

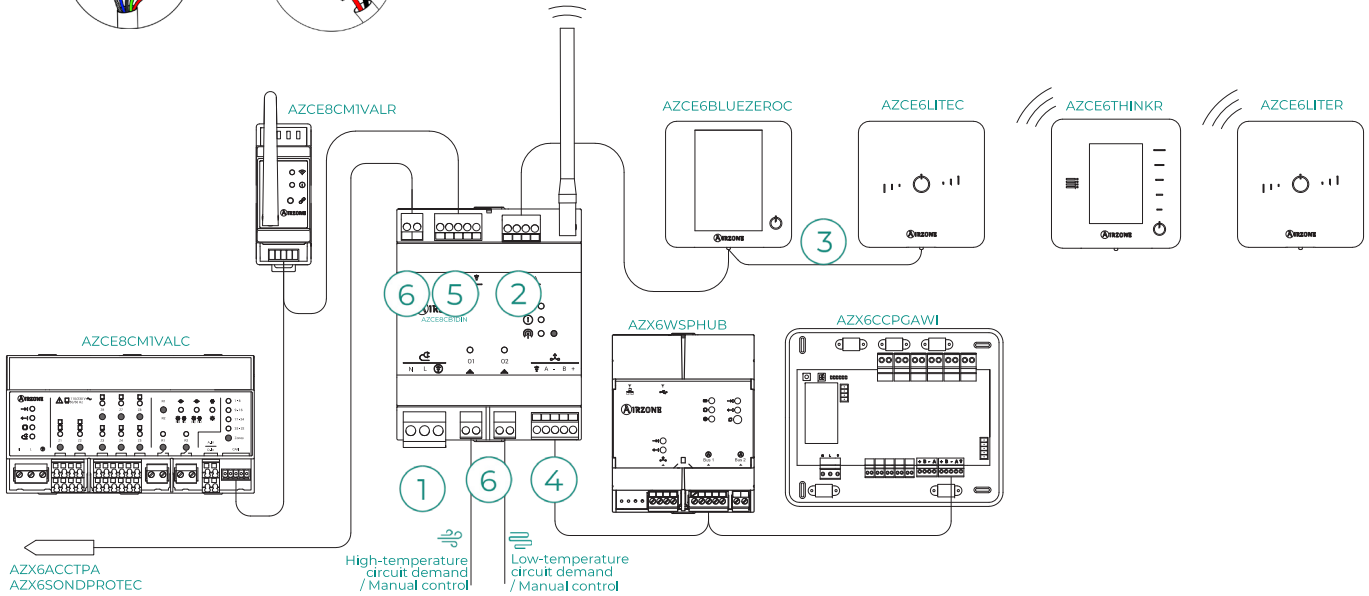
AIRZONE



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



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



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Environmental policy

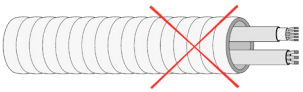
- Never dispose of this equipment with household waste. Electrical and electronic products contain substances that can be harmful to the environment if not properly handled. The crossed-out waste bin symbol indicates separate collection of electrical devices, which must be separated from other urban waste. For correct environmental management, at the end of its useful life the equipment should be taken to the collection centers provided for this purpose.
- The parts that make it up can be recycled. Therefore, please respect the regulations in force regarding environmental protection.
- If you replace the equipment, the original equipment must be returned to your dealer or deposited at a specialized collection center.
- Violations are subject to the penalties and measures stipulated in environmental protection law.

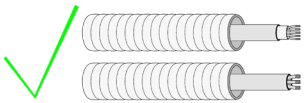
Before Starting

- 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.

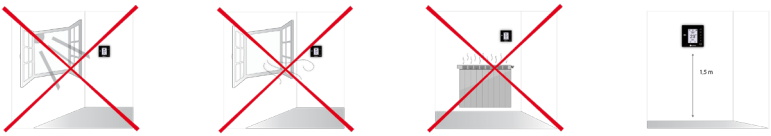
- All connections must be made with the power supply completely turned off.
- Take care not to short circuit any of the system's connections.
- Please refer carefully to the wiring diagram and these instructions when wiring.
- Connect all wiring securely. Loose wiring may cause overheating at the connection 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.

Elements and Installation

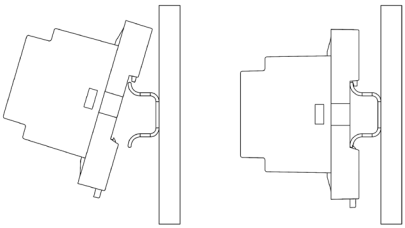
MAIN CONTROL BOARD (AZCE8CB1DIN)

For further information, see the technical datasheet.

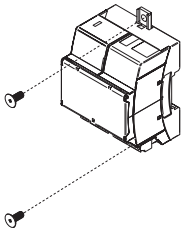
Assembly

The main control board (AZCE8CB1DIN) is DIN rail or surface mounted. The location and assembly of this module must comply with current electronic regulations.

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

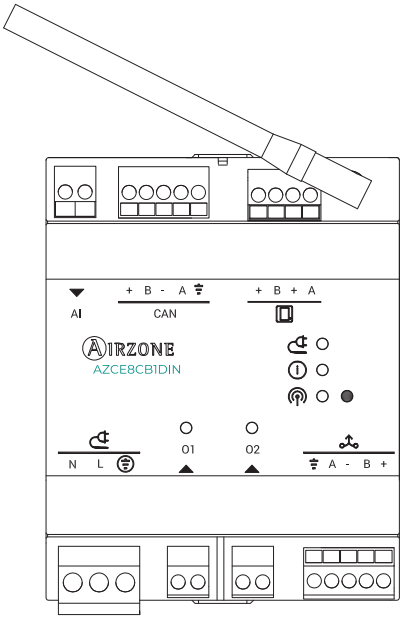


Mounted using DIN rail



Mounted on wall

Connection



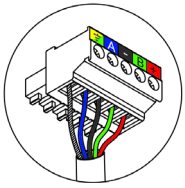
AI

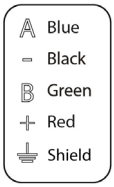
Allows the return temperature of an AC unit to be measured by means of an external probe. The use of this probe is recommended when working with electromechanical or NON Inverter units, where the return temperature of the AC unit must be controlled.

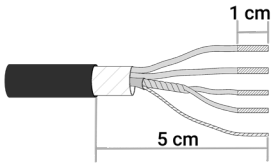
CAN

The CAN bus allows connecting the different modules of the system with the main control board, enabling communication between them.

To connect the CAN bus, there is one 5-pin terminal. Use 2x0.5 + 2x0.22 mm² Airzone cable. Fix the cables with the screws on the terminal, following the color code.

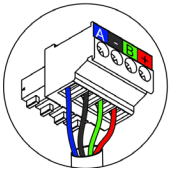


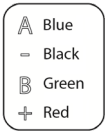




The Airzone connection bus is used to connect all the internal elements independent of the main control board and can control up to 8 zones.

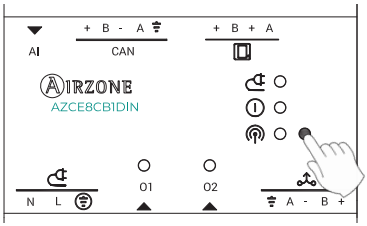
To connect the Airzone connection bus, there is one 4-pin terminals. This system allows star and bus connection. Use 2x0.5 + 2x0.22 mm² Airzone cable. Fix the cables with the screws on the terminal, following the color code.





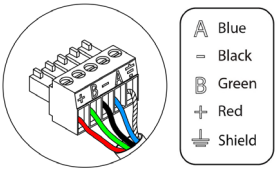
Important: For elements with external power supply at 110/230 VAC, it is only necessary to connect poles “A” and “B” of the bus for communications.

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 the button next to the icon until LED turns red. For 15 minutes, the system will keep the wireless association channel open.



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.

O2

This output can be configured as "Low temperature circuit demand" (underfloor heating) (default) or as "Manual" (see Advanced settings section on the Blueface Zero thermostat → System parameters).

- Configuration Low temperature circuit demand: The output must be configured as "Fancoil"* type (default).

Status	Stop	Ventilation	Air Cooling	Radiant Cooling	Air Heating	Radiant Heating	Radiator
Demand ON	OFF	OFF	OFF	ON	OFF	ON	OFF
Demand OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

*If the output is configured as "Electric radiant" type, the relay will not be activated.

- Manual configuration (requires Webserver version 4.0.1 or higher): ON/OFF control through Airzone Cloud.

The technical characteristics of the O2 relays are Imax 1 A at 24-48 V voltage free. To control higher power elements, the use of contactors of the power to be controlled is recommended.

O1

This output can be configured as "High temperature circuit demand" (Air/Radiator) (default) or as "Manual" (see Advanced settings section on the Blueface Zero thermostat → System parameters).

- Configuration High temperature circuit demand: The output must be configured as "Fancoil"* type (default).

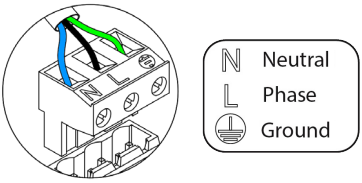
Status	Stop	Ventilation	Air Cooling	Radiant Cooling	Air Heating	Radiant Heating	Radiator
Demand ON	OFF	ON	ON	OFF	ON	OFF	ON
Demand OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

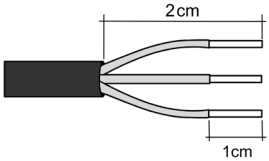
*In case of connecting a communication gateway to the control panel, the output type will be automatically configured as "Direct Expansion" and the relay will not be activated.

- Manual configuration (requires Webserver version 4.0.1 or higher): ON/OFF control through Airzone Cloud.

The technical characteristics of the O1 relays are Imax 1 A at 24-48 V voltage free. To control higher power elements, the use of contactors of the power to be controlled is recommended.

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. The power connection to the module is via a 3-pin terminal. Fix the cables with the screws on the terminal, following the color code.





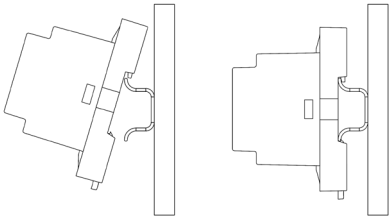
The connection to the external power supply must include a main switch or other method of disconnection that includes a constant separation for all polarities, in accordance with appropriate local and national regulations. The system will automatically restart if the power supply is turned off. **Use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

AIRZONE CONTROL MODULE FOR WIRELESS VALVES VALR (AZCE8CM1VALR)

For further information, see the technical datasheet.

Assembly

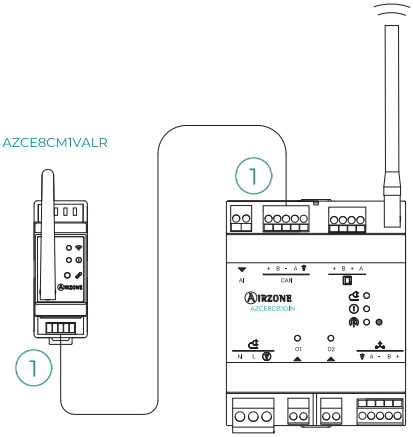
This module is mounted on DIN rail. It should be placed and mounted in accordance with the current electrotechnical regulations.

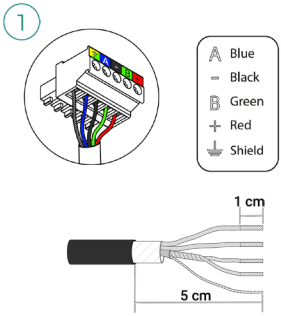


***Note:** To remove the module on DIN rail, pull the tab downwards to release it.*

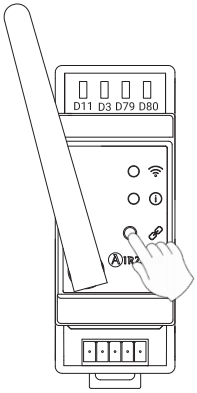
Connection

Connect the AZCE8CM1VALR module to the CAN bus of the main control board. For this purpose, there is one 5-pin terminal. Use 2x0.5 + 2x0.22 mm² Airzone cable. Fix the cables with the screws on the terminal, following the color code.





For the connection to the Airzone main control board, press the module association button.



Reset

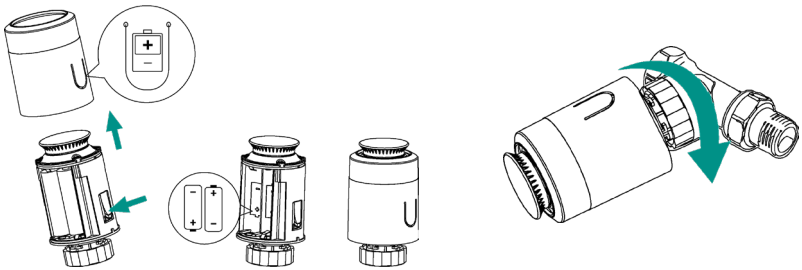
If you want to return to factory values, press and hold the association button until LED change to searching status (blue). Wait for the LEDS to go back to their normal state before starting with the initial configuration process.

AIRZONE WIRELESS THERMOSTATIC VALVE ACTUATOR VALR FOR RADIATORS (AZX6AC1VALR)

For further information, see the technical datasheet.

Assembly

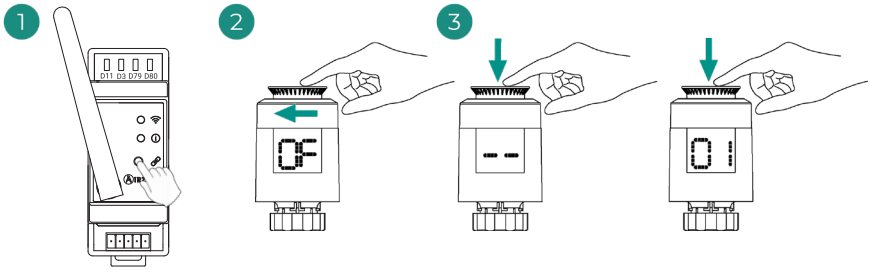
Airzone wireless thermostatic valve actuators are mounted on each of the valves of a heater. Check that the thermostatic valve actuator is compatible with the valve body that you are going to equip (M30 x 1.5). See compatibility table.



Connection

To associate the heads, follow the steps below:

1. Synchronize the AZCE8CM1VALR module with the system's main control board.
2. Turn the upper wheel of the head until “OF” appears on the screen.
3. Press the upper button to address each thermostatic head (an address from 01 to 10 is automatically assigned).

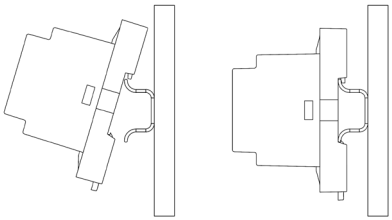


AIRZONE CONTROL MODULE FOR WIRED VALVES 110/230V VALC (AZCE8CM1VALC)

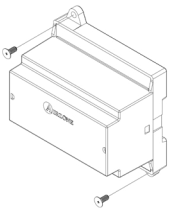
For further information, see the technical datasheet.

Assembly

This module is DIN rail or surface mounted. It is externally powered at 110/230 Vac. It should be placed and mounted in accordance with the current electrotechnical regulations.



Mounted using DIN rail

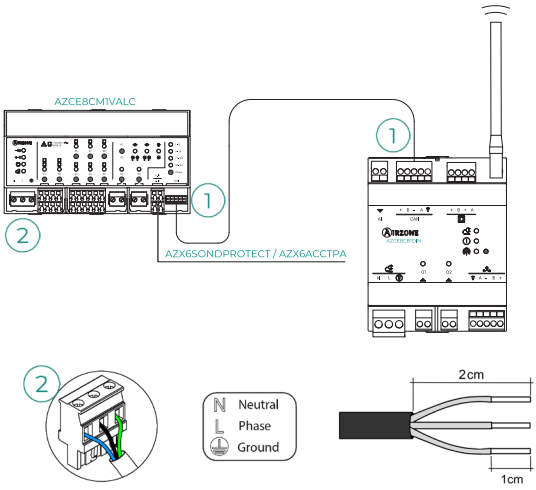


Mounted on wall

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

Connection

Connect the AZCE8CM1VALC module to the CAN bus of the main control board. For this purpose, there is one 5-pin terminal. Use 2x0.5 + 2x0.22 mm² Airzone cable. Fix the cables with the screws on the terminal, following the color code.



Control Z1-Z8 relay specs: Imax = 5 A at 110/250 Vac.

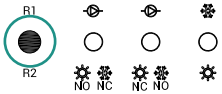
Note that to control elements with a greater power, it is recommended to use contactors in accordance with the power required. Remember to connect the neutral connector directly from the circuit to the element to be controlled.

Important: According to the current local and national regulations, it is mandatory to add a switch (or other element to disconnect the system) to the external supply wiring so that a constant separation between poles is guaranteed. The system will restart automatically if the supply is eventually turned off.

Configuration

Configure the AZCE8CM1VALC module according to your installation. To do this you must leave the LED that corresponds to your installation on:

1. Press the operation relays configuration button for 2 s.
2. Switch between the different configurations by pressing the same button.
3. Save the configuration by another 2 s pressing in the same button.



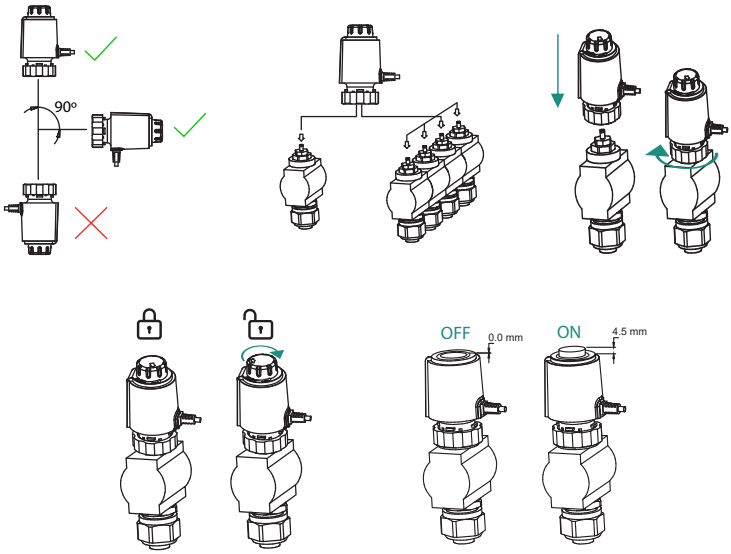
Configuration / Relay output	Configuration 1 	Configuration 2 	Configuration 3 
R1	On/Off **Pump**	On/Off **Pump**	**Cooling Mode**
R2	**Heating Mode:** Normally open **Cooling Mode:** Normally closed	**Heating Mode:** Normally closed **Cooling Mode:** Normally open	**Heating Mode**

AIRZONE WIRED THERMOSTATIC VALVE ACTUATOR 110/230V VALC FOR RADIANT ELEMENTS (AZX6AC1VALC)

For further information, see the technical datasheet.

Assembly

Airzone wired thermostatic valve actuators are mounted on each of the valves of a manifold / heater. Check that the thermostatic valve actuator is compatible with the valve body that you are going to equip (M30 x 1.5). See compatibility table.

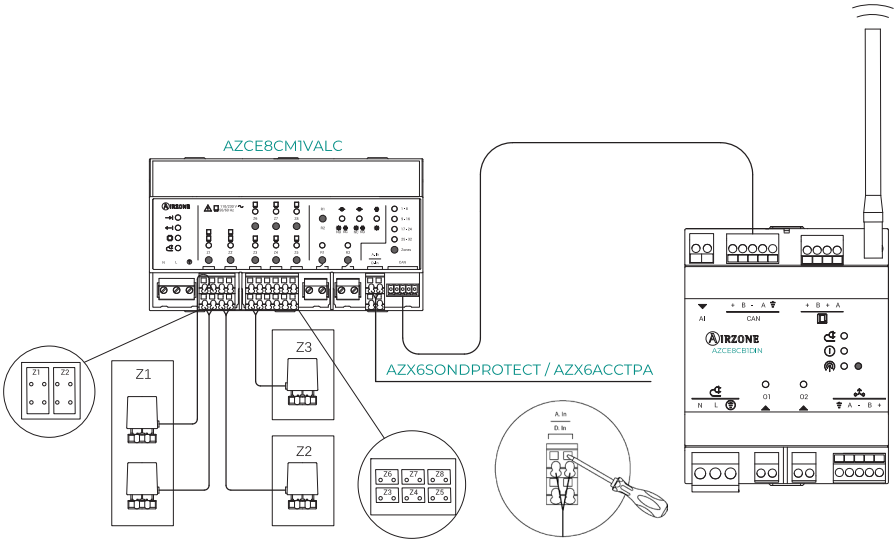


Connection

Airzone wired thermostatic valve actuators are connected to the Z1-Z8 ports of the AZCE8CM1VALC module. Connect throught 2 wires without polarity.

Important: Use a suitable screwdriver to press in the locking tabs.

Maximum number of valves permitted: 2 for each output (20 valves in total).



WIRED THERMOSTAT

Elements

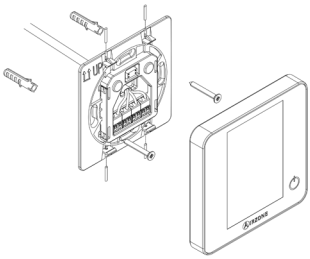
AZCE6BLUEZEROC
For further information, see the technical datasheet.

AZCE6LITEC
For further information, see the technical datasheet.

Assembly

Airzone wired thermostats are surface mounted on a support. Remember that the maximum recommended distance for this device is 40 meters. 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).

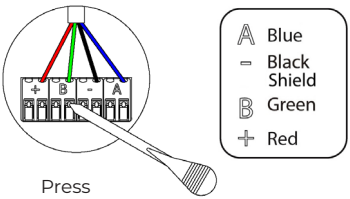


Connection

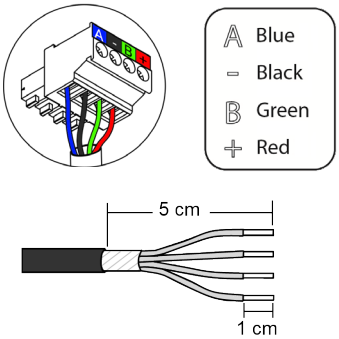
Airzone thermostats are elements that are connected to the Airzone connection bus on the main control board. Fix the cables with the screws on the terminal, following the color code.

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

Thermostat connection



Main control board connection



WIRELESS THERMOSTATS

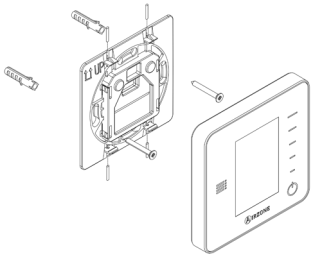
Elements

AZCE6THINKR
For further information, see the technical datasheet.
AZCE6LITER
For further information, see the technical datasheet.

Assembly

Airzone wireless thermostats are surface mounted on a support. Remember that the maximum recommended distance for this device is 40 meters.

- 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).

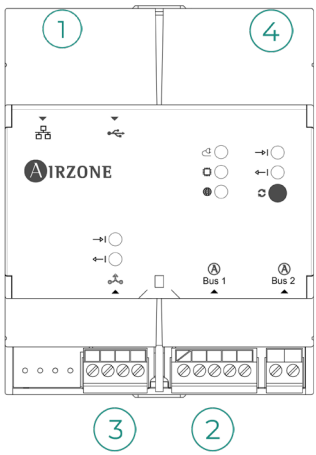


Note: *If you wish to change the battery, please see the User's Manual.*

WEBSERVER AIRZONE CLOUD

Elements

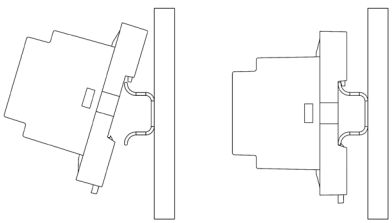
Webserver HUB Airzone Cloud Dual 2.4-5G/Ethernet (AZX6WSPHUB)
For further information, see the technical datasheet.



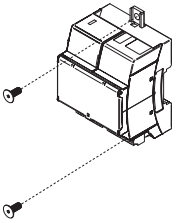
N°	Description
1	Ethernet
2	Automation Bus connection
3	Integración output
4	Wi-Fi

Assembly

The Webserver HUB (AZX6WSPHUB) is DIN rail or surface mounted. The location and assembly of this module must comply with current electronic regulations.



Mounted using DIN rail



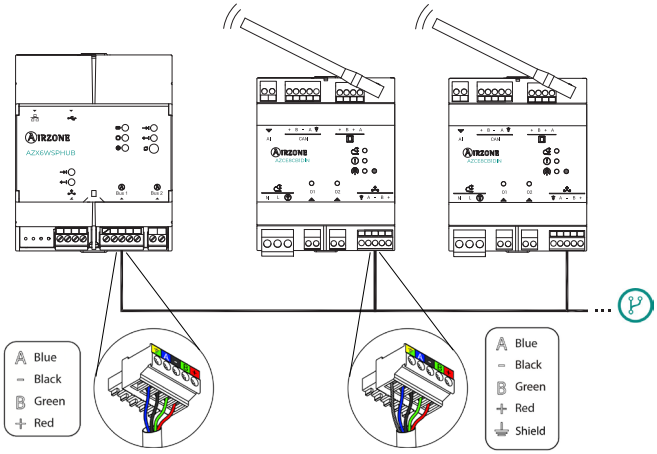
Mounted on wall

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

Connection

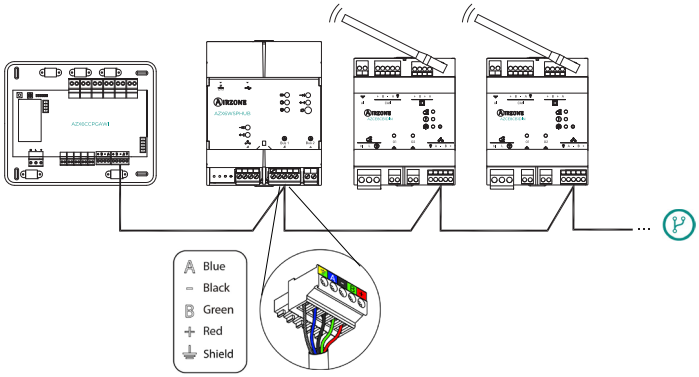
The Webserver HUB is an element that connects to the automation bus on the system's main control board.

For connection to the main control board automation bus (2), there is one 5-pin terminal. Fix the cables with the screws on the terminal, following the color code. Only use the shield on the connector on the main control board side.

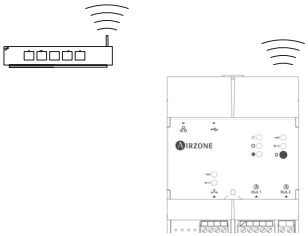


AZX6WSPHUB from a system main control board to other system main control boards

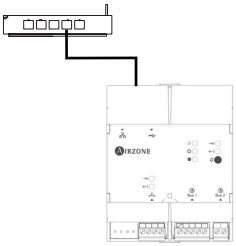
To connect the Webserver HUB o a CCP, use the CCP's outdoor automation bus 2.



AZX6WSPHUB from AX6CCPGAWI to system main control boards



ROUTER (Wi-Fi) - AZX6WSPHUB



ROUTER (Ethernet) - AZX6WSPHUB

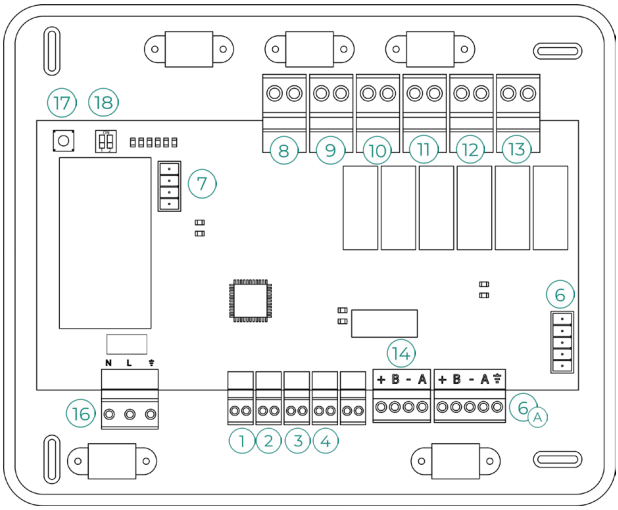
All Airzone systems must be connected to the internet to provide technical support.

AZX6WSPHUB: It is only necessary to connect **one Webserver per installation** (control of up to 32 systems).

PRODUCTION CONTROL BOARD (AZX6CCPGAWI)

Elements

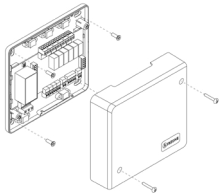
For further information, see the technical datasheet.



Important: This element is not compatible with the supermaster controller (AZX6CSMASTER).

Assembly

The production control board is delivered in a screwed box for surface mounting. The location and installation of this element must comply with the current electronic regulations. To mount the production control board, follow these steps:



- Locate the production control board close to the AC unit to be controlled.
- Unscrew the cover to fix the rear part to the wall.
- Once all connections have been made, screw the cover back on.

Connection

Digital inputs

The production control board is equipped with 4 digital inputs for external control of Airzone systems. These inputs are configured as normally open. For connection, the use of shielded cable is recommended.

1. **DHW:** This input activates the DHW mode, whereby all Acuazone/Innobus Pro32 and Flexa 4.0 systems that are working in air heating will stop and display the DHW message on the zone thermostats. This function is recommended for air to water installations when the air to water unit starts to produce DHW for the production of heating and air conditioning.

2. **HEATING:** This input activates the semi-forced heating mode in all the systems in the installation. It allows the selection of the modes: Stop, Heating and Ventilation.

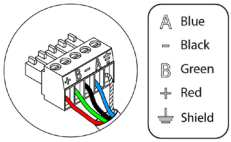
3. **COOLING:** This input activates the semi-forced cooling mode in all the systems in the installation. It allows the selection of the modes: Stop, Cooling, Dry and Ventilation.

4. **STOP:** This input activates the Stop mode in all the systems in the installation.

Domotic Bus 6

The outdoor domotic 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 A domotic bus, there are two 5-pin terminals. This system only uses bus connections. Fix the cables with the screws on the terminal, following the color code.

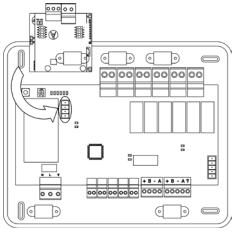


Note: *Remember that, for this main control board to work correctly, all the main control boards in the installation must be addressed (up to 32 systems) (see System advanced settings section).*

Connector bus for air to water gateways (7)

The AC unit bus makes it possible to connect various production unit control gateways to the installed air-water unit.

To connect these integrated gateways, disconnect the AC unit bus terminal and fit the connector and the gateway fixing post.



Connection of gateway AZX6GAW to AZX6CCPGAWI

Control relays

This device has 6 relays for controlling the installation. The characteristics of the control relays are Imax 10 A at 110/230 VAC voltage free. To control higher power elements, the use of contactors of the power to be controlled is recommended.

Important: Remember to connect the neutral directly from the circuit to the element to be controlled.

Depending on the type of installation configured, the control relays will have a logic adapted to the installation:

- **Aerothermal**

Mode	Demand	Control relays					
		(8)	(9)	(10)	(11)	(12)	(13)
Stop	Off	-	-	-	-	-	-
Cooling	Air	ON	-	ON	-	-	-
	Radiant	ON	-	-	ON	-	-
	Off	-	-	-	-	-	-
Heating	Air	-	ON	-	-	ON	-
	Radiant	-	ON	-	-	-	ON
	Off	-	-	-	-	-	-
Dry	On	-	-	-	-	-	-
	Off	-	-	-	-	-	-
Ventilation	On	-	-	-	-	-	-
	Off	-	-	-	-	-	-

- **2 pipes / 4 pipes**

Mode	Demand	Control relays					
		(8)	(9)	(10)	(11)	(12)	(13)
Stop	Off	-	-	-	-	-	-
Cooling	Air	ON	-	ON	-	-	-
	Radiant	ON	-	-	ON	-	-
	Off	ON	-	-	-	-	-
Heating	Air	-	ON	-	-	ON	-
	Radiant	-	ON	-	-	-	ON
	Off	-	ON	-	-	-	-
Dry	On	ON	-	-	-	-	-
	Off	ON	-	-	-	-	-
Ventilation	On	-	-	-	-	-	-
	Off	-	-	-	-	-	-

- **RadianT**

Mode	Demand	Control Relays					
		(8)	(9)	(10)	(11)	(12)	(13)
Stop	Off	-	-	-	-	-	-
Cooling	Radiant	ON	-	-	ON	-	-
	Off	ON	-	-	-	-	-
Heating	Radiante	-	ON	-	-	-	ON
	Off	-	ON	-	-	-	-
Dew Warning Active	On	ON	-	ON	-	-	-
	Off	ON	-	ON	-	-	-

For Acuazone and Innobus Pro 32 systems versions v.4.4.1 or higher: In any configuration of the Acuazone central operating logic, zones with air flow stage configured as DX (Direct Expansion) will not generate air demand in the production control board. Remember that in both zoned or mixed configurations, when the air flow stage of a zoned area is modified, the same configuration will apply to the rest of the zones in the group.

Important: In order to optimize the production temperature of the air to water units, the following combinations will not generate air demand in the production control board:

- Airzone 3.0 controller gateway (AZX6GTCxxx) in the Flexa 4.0 system main control boards.
- Airzone communication gateway (AZX6QADAPTxxx) in the Flexa 4.0 system main control boards.
- Airzone control gateway-Electromechanical unit (AZX6ELECTROMEC) in Flexa 4.0 system main control boards.
- Airzone individual unit zone module (AZDI6MCIFR [C/R] / AZDI6MCxxx [C/R] / AZDI6ZMOxxx [C/R]) in Acuazone e Innobus Pro32 (v.4.4.0 or lower) systems when configured as a zoning system or mixed system.

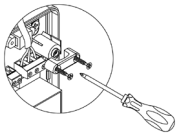
Integration bus output (14)

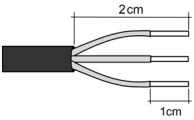
It has a 4-pin terminal for integration. Only available in configurations without webserver.

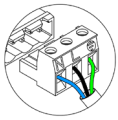
Power supply (16)

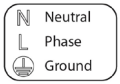
This connector supplies power to the production control board and consequently to the elements connected to it. External power supply at 110/230 VAC. The power connection to the module is via a 3-pin terminal. Fix the cables with the screws on the terminal, following the color code.

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





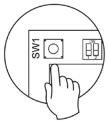




The connection to the external power supply must include a main switch or other method of disconnection that includes a constant separation for all polarities, in accordance with appropriate local and national regulations. The system will automatically restart if the power supply is turned off. **Use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

SW1 (17)

A short press on SW1 forces the cloud production control board to search for the systems connected to it and to set the addressing configuration. To reset the CCP, press SW1 for 10 seconds.

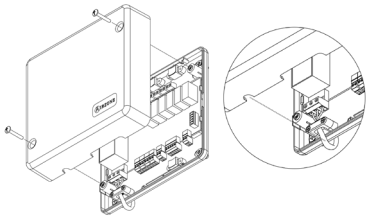


SW2 (18)

The SW2 microswitch configures the type of installation to be controlled by the production control board. The operation logic of the microswitch is as follows:

Meaning			
			
Aerothermal	2 pipes	3/4 pipes	RadianT

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



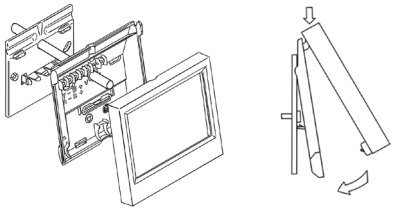
SUPERMASTER CONTROLLER (AZX6CSMASTER [S/E] [B/G])

Important: This device is not compatible with the production control board (AZX6CCP).

Assembly

Surface mounted (AZX6CSMASTERS):

- Separate the back of the thermostat from the wall support.
- Attach the support directly to the wall or by fixing to the switch box.
- Place the back part on the already fixed support by passing the cable through the hole. Make sure that it is secured by the tabs on the support. Make the necessary connections.
- Place the display over the back part.

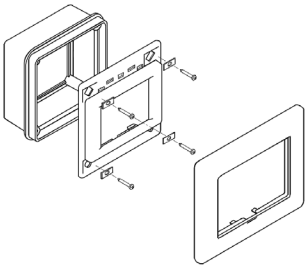


For further information, see the technical datasheet.

Embedded (AZX6CSMASTERE):

The embedded supermaster controller is installed in the wall in 100x100 mm screwed junction boxes. Compatible mounting boxes are:

- Solera 362 (100x100 mm)
- Jangar 2174 (100x100 mm)
- IDE CT110 (100x100 mm)
- Fematel Ct35 (100x100 mm)



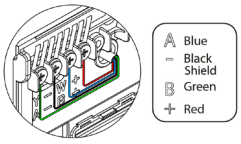
For mounting, follow these steps:

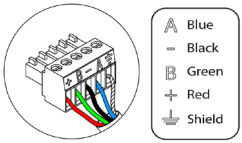
- Remove the display frame from the rest of the assembly and make the relevant connections.
- Use the washers and screws to fix the display to the embedded box.
- Replace the frame. Make sure that it is properly secured.

For further information, see the technical datasheet.

Connection

The Supermaster controller is an element that connects to the automation bus on the system's main control board.
For the surface-mounted supermaster, use the tabs on the back of the supermaster. Fix the cables with the screws on each tab, following the color code.
In the case of the embedded supermaster, there is one 5-pin terminal located on the rear of the supermaster. Fix the cables with the screws on the terminal, following the color code.





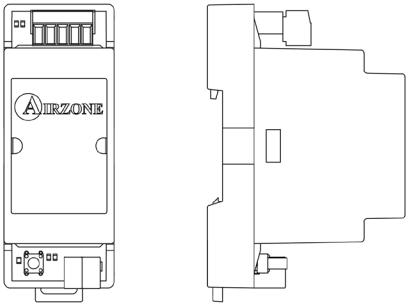
Note: *To configure it, follow the steps in the User's Manual.*

Remember that, for this module to work correctly, all the main control boards in the installation must be addressed (see System advanced settings section).

AIRZONE-KNX INTEGRATION GATEWAY (AZX6KNXGTWAY)

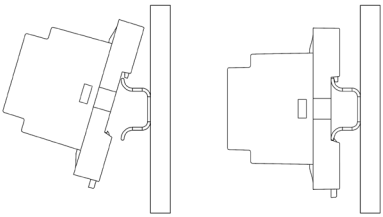
For further information, see the technical datasheet.

Elements



Assembly

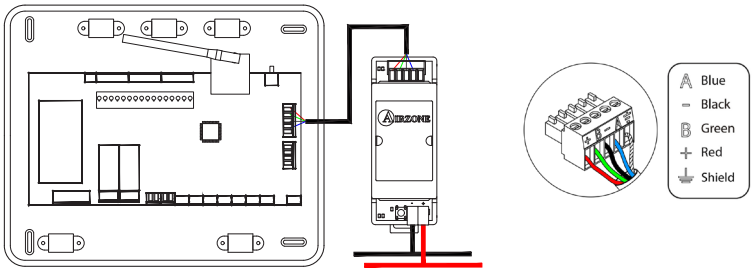
This device is DIN rail mounted. It is powered by the main control board automation bus and the installation's KNX bus. The location and assembly of this module must comply with current electronic regulations.



Note: *To remove the module, pull the tab downwards to release it.*

Connection

The Airzone-KNX integration gateway is connected to the automation bus on the main control board. To do this, there is one 5-pin terminal. Fix the cables with the screws on the terminal, following the color code.

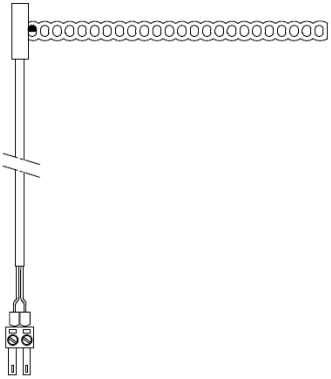


To configure it, follow the steps described in the KNX Installation Manual.

CLAMP-ON TEMPERATURE PROBE (AZX6ACCTPA)

For further information, see the technical datasheet.

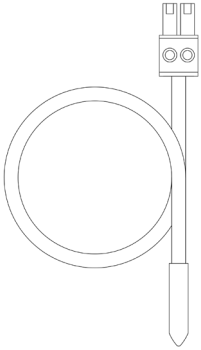
Connects to the temperature probe (AI) connector. Protects the AC unit from the water returning to the boiler.



TEMPERATURE PROBE IN SHEATH (AZX6SONDPROTEC)

For further information, see the technical datasheet.

Connects to the temperature probe (AI) connector. Protects the AC unit from the water returning to the boiler.

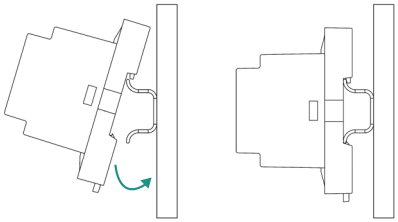


AIRZONE CONSUMPTION METER (AZX6ACCCON)

For further information, see the technical datasheet.

Assembly

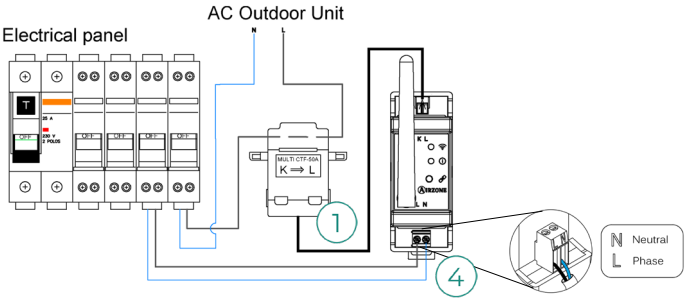
This device is DIN rail mounted. This module is externally powered at 110/230 VAC. The location and assembly of this module must comply with current electronic regulations.



Note: *To remove the module, pull the tab downwards to release it.*

Connection

The Airzone consumption meter is an element that is connected by means of an ammeter clamp (1) to the wiring of the outdoor unit to measure the installation's consumption.



The power connection to the module (4) is via a 2-pin terminal. Fix the cables with the screws on the terminal, following the polarity.

To connect to the Airzone system main control board, carry out the following steps:

1. Open the system's wireless channel.
2. Press 🔗 to associate the consumption meter.
3. The LED ⓘ will be displayed in search status (blue) and will change to associated (green). If it doesn't, please refer to the self-diagnostics section.

Reset

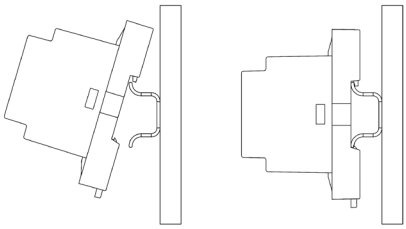
If you need to reset the consumption meter to factory settings, press and hold the button 🔗 until the LED ⓘ changes to search status (blue). Wait for the LEDs to return to their normal status and then repeat the initial configuration.

System Installation

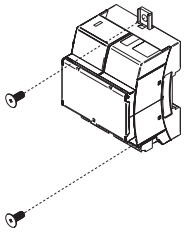
CONTROL BOARD INSTALLATION

The main control board is DIN rail or surface mounted. The location and assembly of this module must comply with current electronic regulations.

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



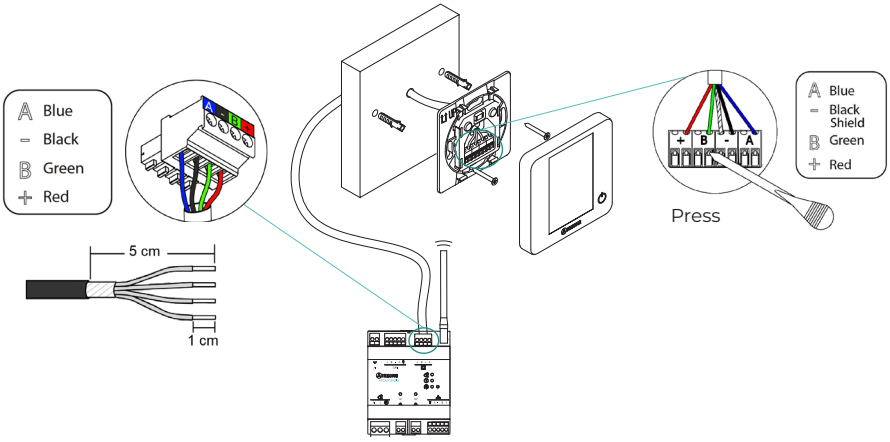
Mounted using DIN rail



Mounted on wall

THERMOSTAT INSTALLATION

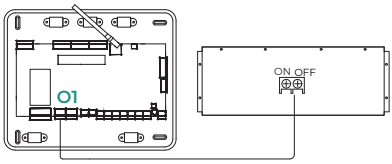
1. Remove the back of the thermostat.
2. Fix the back of the thermostat to the wall.
3. Connect it to the main control board at the ⊡ terminal. If your thermostat is a wireless thermostat, insert the CR2450 button battery.
4. Place the display over the fixed support.
5. Place the anti-vandalism rods (optional) to better hold the thermostat in place.



CONNECTION TO THE INDOOR UNIT

O1 port option

Use the main control board **O1** port to perform the start-stop of the unit following the manufacturer's instructions. Imax 1 A, Vmax 24 / 48 Vdc.



OTHER PERIPHERALS

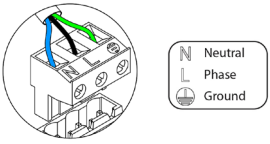
Follow the instructions on their technical data sheet.

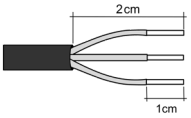
Important: For elements with external power supply at 110/230 VAC, it is only necessary to connect poles “A” and “B” of the bus for communications.

POWER SUPPLY TO THE SYSTEM

Use input power supply 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 mm² 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.

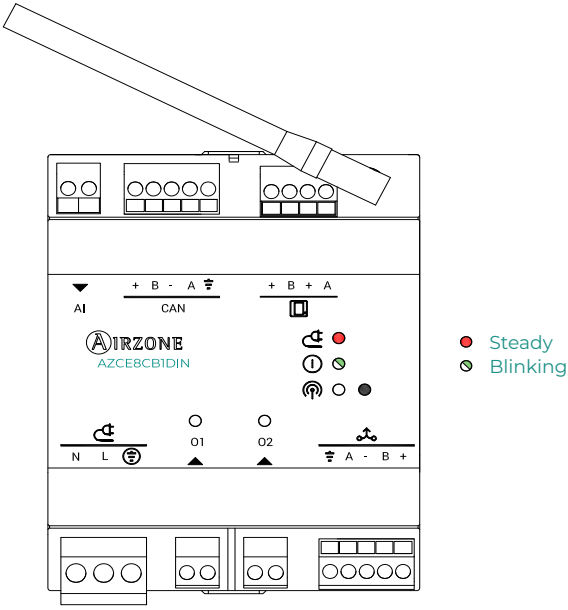




Checking the Installation

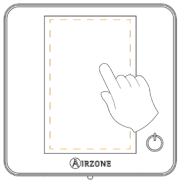
Check the following items:

1. Status of the main control board LEDs. Consult the Self-diagnostics section on the technical datasheet.
2. Status of the control elements connected. Consult the Self-diagnostics section on each element's technical datasheet.
3. Power supply to wired and wireless thermostats.



Initial Configuration

AIRZONE BLUEFACE ZERO

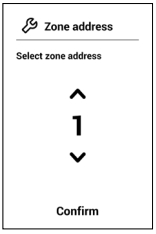


1

Languages:

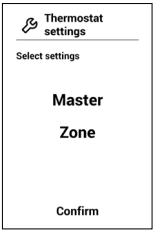
- Spanish
- English
- French
- Italian
- Portuguese
- German

2



Select the zone associated to this thermostat.

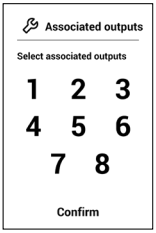
3



Master: Allows the control of all installation parameters.

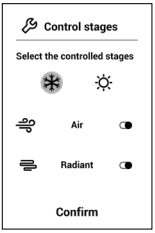
Zone: Only allows the control of the zone parameters.

4



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. By default, the first available output will be selected.

5



Stages to be controlled:

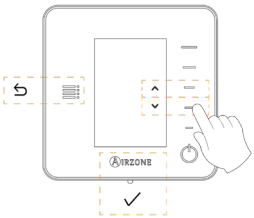
- Air
- Radiant
- Combined

If one of the stages is deactivated, the corresponding previously selected control output will be disassociated.

6

Finish the process. Access the setup Wizard for advanced settings from Airzone Cloud and/or activate the basic function (the latter allows on/off, speed setting, operation mode setting and temperature setting).

AIRZONE THINK

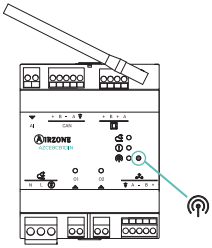


1

Languages:

- Spanish
- English
- French
- Italian
- Portuguese
- German

2

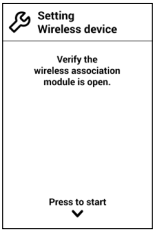


Wireless Think

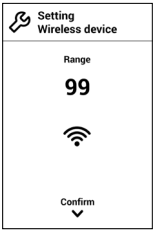
Open the wireless association channel. To do so, click . Once opened, you have 15 minutes to perform the association. You can also open the wireless association channel through the Blueface Zero thermostats.

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

3

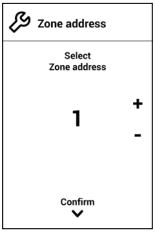


Start the search for the wireless channel.



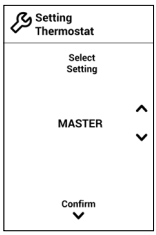
Check that the signal range is optimal (minimum 30%).

4



Select the zone associated to this thermostat.

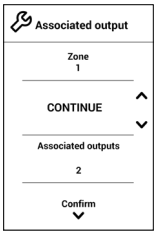
5

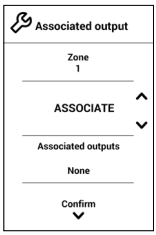


Master: Allows the control of all installation parameters.

Zone: Only allows the control of the zone parameters.

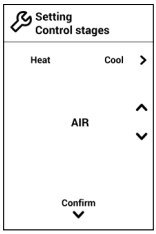
6





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. By default, the first available output will be selected.

7

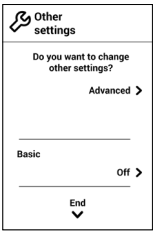


*Stages to be controlled:

- Air
- Radiant
- Combined

If one of the stages is deactivated, the corresponding previously selected control output will be disassociated.

8

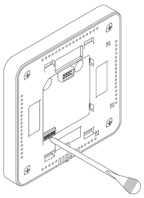


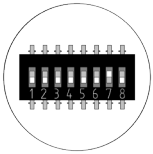
Finish the process. Access the setup Wizard for advanced settings from Airzone Cloud and/or activate the basic function (the latter allows on/off, speed setting, operation mode setting and temperature setting).

*Not available on 3.5.0 version AZCE6THINKR.

AIRZONE LITE

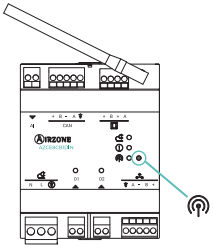
1





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

2

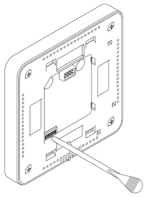


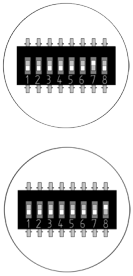
Wired Lite
Go to step 3.

Wireless Lite
Open the wireless association channel. To do so, click . 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 8 to the zone address 7).

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.

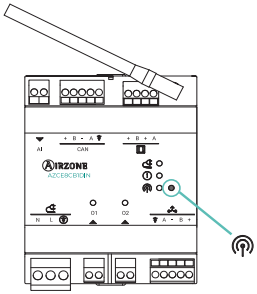
CHECKING THE INITIAL CONFIGURATION

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.
2. **Opening/Closing of the 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.

SYSTEM RESET

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



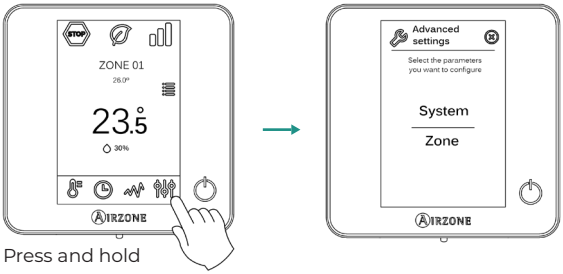
ZONE RESET

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.

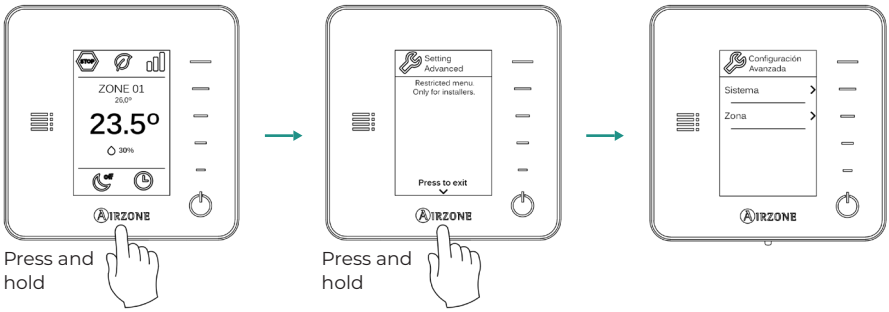
System Advanced Settings

AIRZONE BLUEFACE ZERO



Press and hold

AIRZONE THINK



Press and hold

Press and hold

AIRZONE CLOUD

Advanced system configuration can be performed from the Airzone Cloud application (see Airtools section of the Airzone Cloud Installation Manual).

The following parameters can be configured:

- System parameters
- Zone parameters
- Production parameters
- Bluetooth programming*

In case there is no webserver available, you can perform programming through Bluetooth (see section Airtools - Bluetooth Programming).

SYSTEM PARAMETERS

- **System address.** *(Not available on systems with Webserver configured as BACnet)* This allows you to define the number of the system in your installation. By default, it displays the value 1. The system will show the free address values with a maximum value of 99.

  If you have address 1 and have an Airzone production control board (AZX6CCPGAWI) in the installation, you can use the Supermaster function, which imposes the operation mode of system 1 on the other systems connected to the AZX6CCPGAWI in a semi-forced way:

Operation mode of system 1	Available operation modes of the other systems
	
	
	
	
	

- **Temperature range[1].** This allows you to select the maximum temperature for heating mode (19 – 30 °C) and minimum temperature for cooling mode (18 – 26 °C), in steps of 1 °C. If you want, you can disable any of the modes. By default, the maximum heating temperature is set to 30 °C and the minimum cooling temperature to 18 °C.

- **Combined stage.** *(Only in installations with AZCE8CM1VALR/C modules)* This allows you to activate/deactivate the combined stage of the "Control stages" parameter in the user "Zone settings" menu.

- **Hysteresis Config[1].** This defines the temperature differential between the room temperature and the set-point temperature to begin to apply the RadianT algorithm, which aims to prevent underfloor heating installations overheating. In installations with radiators, set this value to 0 °C. By default, it is set to 0 °C.

- **O1 relay settings.** This allows you to change the operation logic of the relay. By default, it is set to: Air demand.

- **O2 relay settings.** This allows you to change the operation logic of the relay. By default, it is set to: Radiant demand.

- **Filter maintenance[1].** *(Only for Airzone Cloud) It is used to enable or disable the warning, edit hours of operation or reset the filter maintenance count.*

[1] *Parameters not available in Airzone Blueface Zero thermostats*

- **Return temperature[1].** *(Not available on 3.5.0 or later version AZCE6THINKR) (Only available in installations with AZX6SONDPROTEC/AZX6ACCTPA protection probe)* This allows you to define the system's cut-off temperatures for the protection of the AC unit in heating mode (32 °C, 34 °C and 36 °C) and cooling mode (6 °C, 8 °C and 10 °C). By default, the system's heating cut-off temperature is set to 34 °C and the cooling cut-off temperature is set to 8 °C.

- **Radio channel.** This allows you to enable/disable the system's wireless association channel. If an AZCE8CM1VLAR module is connected, its association channel will also be opened.

- **Condensation protection[1].** *(Only in installations with AZCE8CM1VALC modules with cooling radiant controles zones)* Enables to select the protection level against condensation: Very high, high, medium (by default), low and very low. If necessary, it can be activated for 1h.

- **Information.** This allows you to display information about:

  - **Zone:** firmware, zone, association or communications status.
  - **System:** firmware, settings and information on system and installation controllers.
  - **Devices:** indicates the elements connected to the system.
  - **Webserver:** firmware, IP address, gateway, MAC and PIN.

- **Reset system.** *(Only available for Airzone Blueface Zero master thermostats)* This allows you to reset the system by returning it to factory settings. To reconfigure the thermostats, go to the "Initial configuration" section.

- **Heating Mode Phases[1].** *(Only for Airzone Cloud)* Allows defining the phases that operate in the stages of the Heating Mode to make different combinations based on the installation needs. The available phases are as follows:

  - **Phase 'Air Only Preparation':** Allows initiating the 'Heating' phase only with the air stage until reaching the selected differential between ambient temperature and setpoint. Once this differential is reached, the combined stage (air + radiant) is activated. This phase is only available and activated (by default) in installations with an air stage in some of their zones.

  - **Phase 'Heating':** Allows initiating the combined stage by configuring the activation/deactivation of the following parameters:

    - **Support Air:** Enables the configuration of a temperature differential relative to the setpoint that marks the deactivation of the air stage. It will be available whenever there is an air stage in any zone. Default is 0.5 °C.

    - **Support Radiator:** Enables the configuration of a temperature differential relative to the setpoint that marks the deactivation of the combined stage. It will be available whenever there are radiators in any zone. Default is 0.5 °C.

[1] *Parameters not available in Airzone Blueface Zero thermostats*

- **Cold Mode Phases[1].** *(Only for Airzone Cloud)* Allows defining the phases that act in the stages of the Cold Mode to make different combinations based on the installation needs. The available phases are as follows:

  - **Phase 'Air Only Preparation':** Allows initiating the 'Cold' phase only with the air stage until reaching the selected differential between ambient temperature and setpoint. Once this differential is reached, the combined stage (air + radiant) is activated. This phase is only available and activated (by default) in installations with an air stage in some of their zones.

  - **Phase 'Cooling':** Allows initiating the combined stage by configuring the activation/deactivation of the following parameters:

    - **Support Air:** Enables the configuration of a temperature differential relative to the setpoint that marks the deactivation of the air stage. It will be available whenever there is an air stage in any zone. Default is 0.5 °C.

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 a thermostat as Master or Zone.

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

- **Use mode[1].** 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.

- **Control stages.** *(Only in installations with AZCE8CM1VALR/C modules)* This allows you to configure the heating and cooling stages in the selected zone or all zones in the system. The options to configure are:

  - **Air:** enables heating/cooling by air in the zone selected.
  - **Radiant:** enables radiant heating/cooling in the zone selected.
  - **Combined:** enables air and radiant heating/cooling in the selected zone and allows the user to select the stage desired in that zone: Air, Radiant or Combined (see Zone settings section on the Blueface Zero thermostat, Stages).
  - **Off:** disables the heating/cooling stage in the zone selected.

[1] *Parameters not available in Airzone Blueface Zero thermostats*

- **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 and 2.5 °C in steps of 0.5 °C. By default, it is set to 0 °C.

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

PRODUCTION PARAMETERS[2]

- **Operation logic.** This allows you to configure the operation logic of the control relays of the CCP:

  - Aerothermal unit (default preset)
  - 2 pipes
  - 4 pipes
  - RadianT

- **Activation delay.** This allows you to set a delay time in the power on of the production unit, configurable in minutes, from 0 to 7 (default preset to 3 minutes).

- **Water outlet temperatures.** *(Only in installations with AZX6GAWXXX gateways)* This allows you to set the water outlet temperatures for the heating and cooling modes of the aerothermal unit. Selectable values depends on each particular aerothermal unit. Default presets are:

  - Air in cooling mode: 10 °C
  - Radiant in cooling mode: 18 °C
  - Air/Radiator in heating mode: 50 °C
  - Radiant in heating mode: 35 °C

- **DHW function.** This allows you to turn on/off the Domestic Heat Water function. Activated by default.

- **Cooling mixing valve.** *(Only in installations with AZX6GAWXXX gateways)* Select "Auto" if you have mixing valves for cooling in your installation. It is set to Manual by default.

[2] *Parameters available in installations with AZX6CCPGAWI*

Incidents

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

WARNINGS

Anti-freezing. This is displayed if the function is enabled.

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.

DHW. Domestic hot water activated. If your system integrates DHW management control in its production unit and this is activated, this message will appear on your Blueface Zero and the air conditioning in that zone will be suspended.

Active dew protection. It indicates there is a risk of condensation in the radiant stage and the air stage has been activated to avoid its creation.

Dew. This alert warns of a risk of water condensation and the zone has been shut off. Only available in systems with radiant stages in cooling mode.

Dew protection Lite. *(Only in Blueface Zero thermostats)* It indicates there is a risk of condensation in the radiant stage and the air stage has been activated to avoid its creation in the Lite zone.

Dew Lite. *(Only in Blueface Zero thermostats)* It indicates there is a risk of condensation and the zone where the Lite thermostat is located has been turned off. Press the icon to know which zone is affected.

Low battery. *(Only in Think wireless thermostats)* Low battery warning.

Battery Lite. *(Only in Blueface Zero thermostats)* Low battery warning. Informs about the involved zone when the icon is pressed.

Low valve battery. *(Only in installations with AZCE8CM1VALR modules)* Low battery warning for valve.

NTC2 alarm. Measurement error in the temperature probe.

Filter maintenance. This indicates that filter maintenance should be performed.

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
10. BACnet gateway – Main control board
12. Webserver – Airzone system
13. Control module of radiant elements – Main control board
15. Consumption meter – Main control board
17. Lutron gateway – Airzone system
C-02. Production control board – Main control board
C-09. Air to water gateway – Production control board
C-11. Air to water gateway – Air to water unit
V01. AZCE8CM1VALR module – Main control board
V02. AZCE8CM1VALR module – AZX6AC1VALR head

Other errors

5. Open circuit in temperature probe
6. Short circuit in temperature probe
16. Measuring error in consumption meter
R05. Open circuit in Control module of radiant elements temperature probe
R06. Short circuit in Control module of radiant elements temperature probe

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.

Error 1. Thermostat (wired) - Main control board

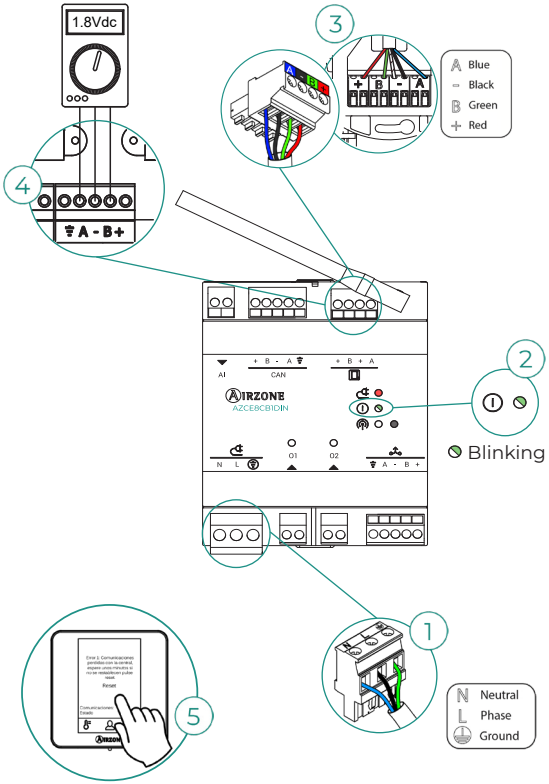
This issue does not allow the zone to be controlled. Check whether the error appears on all thermostats; if it does, check that the main control board is operating properly. To resolve this issue, make the following checks:

1. Status of the main control board: Check that the power supply is correct.
2. Status of the main control board: Correct operation of the Airzone connection bus/ⓘ LEDs.
3. Connections: Check that the polarity of the connections to the main control board and the thermostat is correct.
4. Wiring: Check that the voltage between poles (A/-) and (B/-) is 1.8 VDC.
5. Restart the zone and reassociate it to the system:

- Blueface Zero thermostats: Press on the word Reset to restart the device. If the error persists, press and hold the icon and reset the thermostat. Carry out the initial configuration of the system.

- Think thermostats: Press and hold on AIRZONE and perform the initial system configuration process.

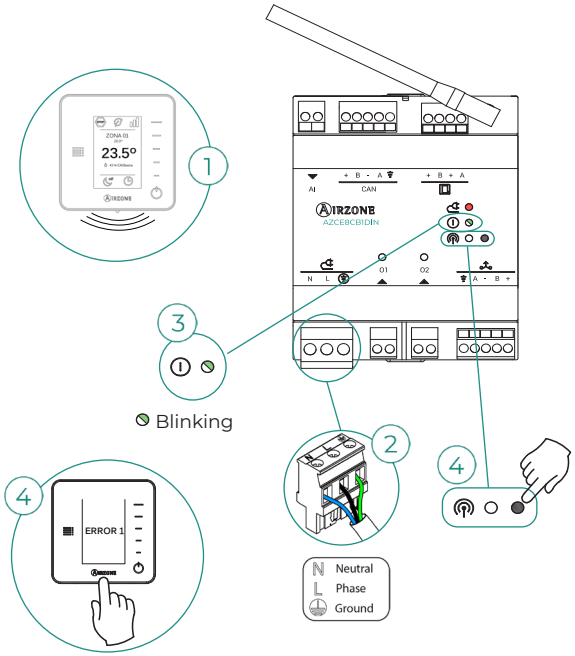
6. Restart the system: If you restart the system, this error may appear on the thermostats due to the restart. This message should disappear in approximately 30 seconds once the restart has been completed.



Error 1. Thermostat (wireless) - Main control board

This issue does not allow the zone to be controlled. Check whether the error appears on all thermostats; if it does, check that the main control board is operating properly. To resolve this issue, make the following checks:

1. Thermostat status: Check the thermostat's signal range from the main control board by checking the Information parameter (see the section System advanced settings, System parameters), or by bringing the thermostat closer to the main control board. If it re-establishes communication, it will be necessary to relocate the thermostat because it was not in signal range.
2. Status of the main control board: Check that the power supply is correct.
3. Status of the main control board: Check the correct functioning of the wireless communication/ⓘ LEDs.
4. Restart the zone and reassociate it to the system. To do this, press and hold on AIRZONE and perform the initial system configuration process. Remember that, in order to associate wireless devices, you should first open the wireless association channel, either through the button on the main control board or from any thermostat in the Radio channel parameter of the System advanced settings menu, Zone parameters.
5. Restart the system: If you restart the system, this error may appear on the thermostats due to the restart. This message should disappear in approximately 30 seconds once the restart has been completed.



Error 5. Open circuit in temperature probe

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.

Error 6. Short circuit in temperature probe

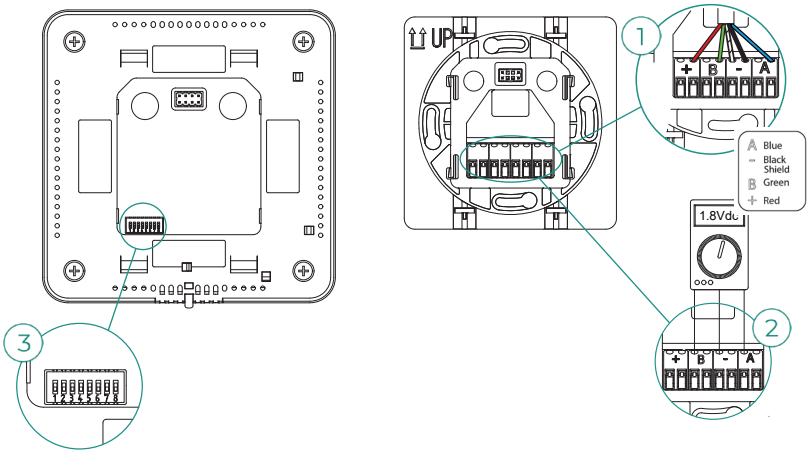
The zone loses the room temperature measurement, leaving the zone unable to generate demand. In the event of such an incident, the device must be replaced or sent for repair.

Error 8. Lite thermostat (wired) - Main control board

The zone loses the room temperature measurement of an associated wired Lite thermostat, leaving the zone disabled and unable to generate demand. From your Blueface Zero thermostat, check whether the Lite thermostat has lost communications. To resolve this issue, make the following checks:

1. Connections: Check that the polarity of the connections to the main control board and the sensor is correct.
2. Wiring: Check that the voltage between poles (A/-) and (B/-) is 1.8 VDC.
3. Check whether the thermostat in question has the microswitch that corresponds to the associated zone selected. If not, activate it by pulling up the switch to the desired value.

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

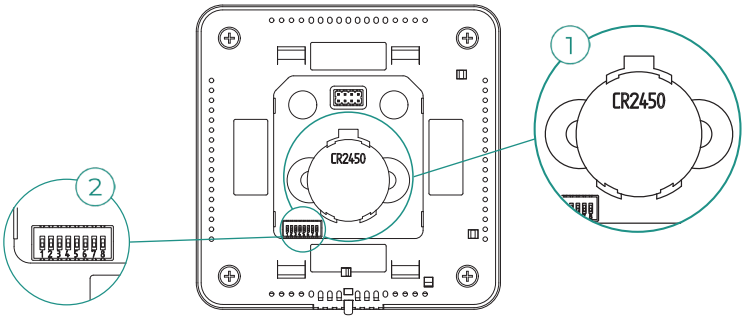


Error 8. Lite thermostat (wireless) - Main control board

The zone loses the room temperature measurement of an associated wireless Lite thermostat, leaving the zone disabled and unable to generate demand. From your Blueface Zero thermostat, check whether the Lite thermostat has lost communications. To resolve this issue, make the following checks:

1. Power supply: Check the battery's status and, if in doubt, replace it with a new battery.
2. Check whether the Lite thermostat in question has the microswitch that corresponds to the associated zone selected. If not, activate it by pulling up the switch to the desired value. Remember that, in order to associate wireless devices, you should first open the wireless association channel, either through the SW1 button on the main control board or from any thermostat in the Radio channel parameter of the System advanced settings menu, Zone parameters.

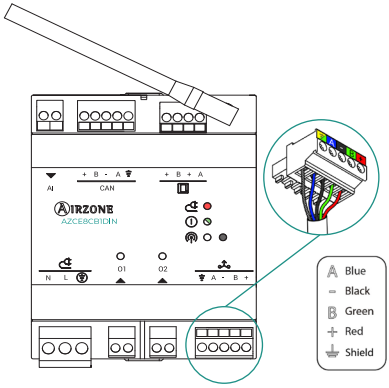
Remember: *Should it be necessary to change the zone number, first reset the thermostat and initiate the association sequence.*



Error 10. BACnet gateway - Main control board

Webserver configured as BACnet

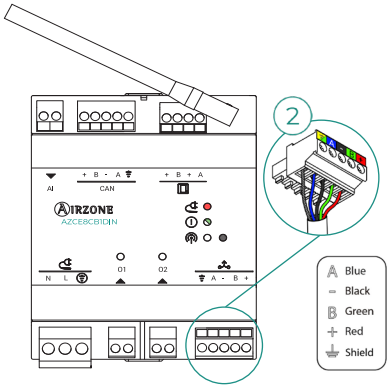
The system loses communication with the Webserver. Check that the Webserver is properly connected to the main control board's automation port (DM1/).



Error 12. Webserver - Airzone system

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

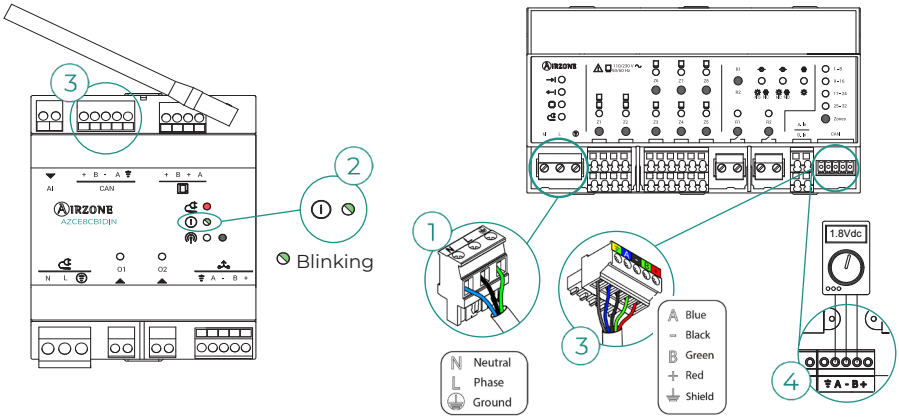
1. Check that the Webserver is properly connected to the main control board's automation port.
2. Check that the polarity of the connectors of the Webserver and the main control board's automation port is correct.
3. Check that the status of the Webserver's LEDs is correct. To do so, make use of your Webserver's self-diagnostics section or technical fact sheet.



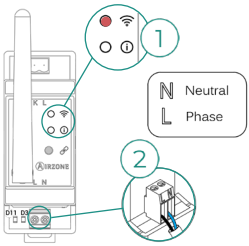
Error 13. Control module of radiant elements - Main control board

This issue does not allow the system to control the device. To resolve this issue, make the following checks:

1. Status of the control module of radiant elements: Check that the power supply is correct.
2. Status of the control module of radiant elements and the main control board: Correct operation of the CAN bus/ⓘ LEDs.
3. Connections: Check that the polarity of the connections to the main control board and the control module of radiant elements is correct.
4. Wiring: Check that the voltage between poles (A/-) and (B/-) is 1.8 VDC.



Error 15. Consumption meter - Main control board



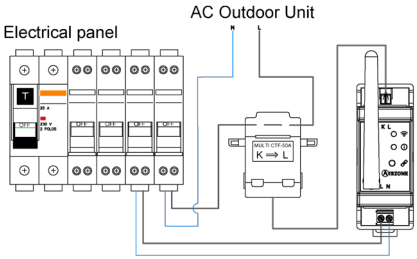
This incident doesn't allow you to measure the AC unit's consumption. To resolve this issue, make the following checks:

1. Signal range of the device: Check the signal range of the meter with the main control board; to do so, check the LED on the meter. If it is not in signal range (red LED), bring the meter closer to the main control board. If it recovers communications, it will be necessary to relocate it because it was out of range.
2. Status of the consumption meter: Check that the power supply is correct.

Error 16. Measuring error in consumption meter

This incident doesn't allow you to measure the AC unit's consumption. To resolve this issue, make the following checks:

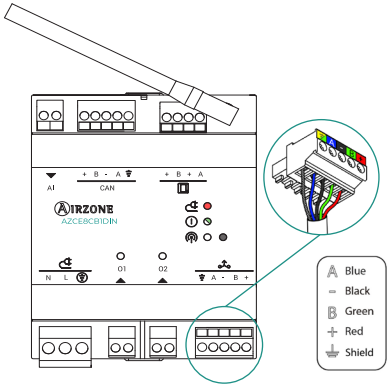
Check that the ammeter clamp is properly connected to the AC unit wiring.



Error 17. Lutron gateway - Airzone system

Webserver configured as Lutron

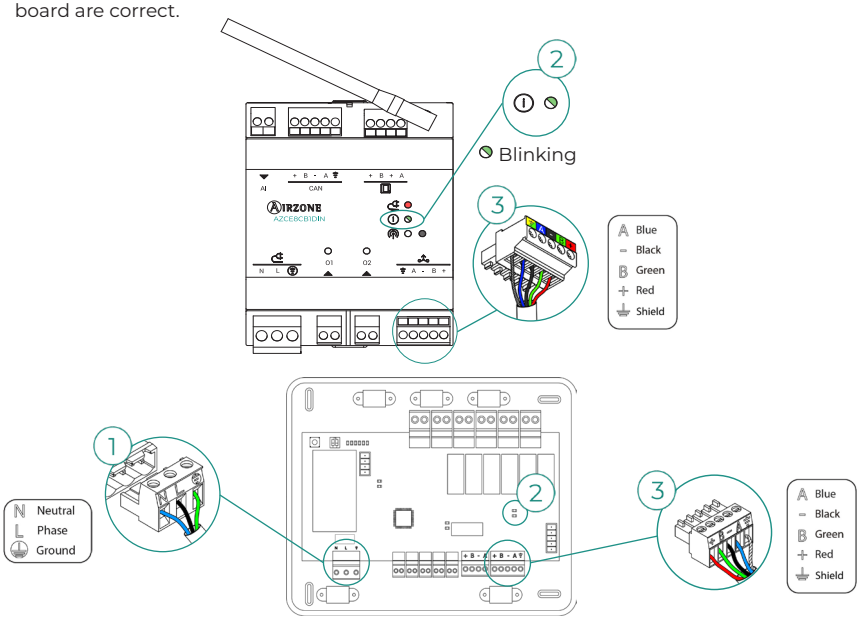
The system loses communication with the Webserver. Check that the Webserver is properly connected to the main control board's automation port (DM1/).



Error C-02. Production control board - Main control board

This issue does not allow the zone to be controlled. To resolve this issue, make the following checks:

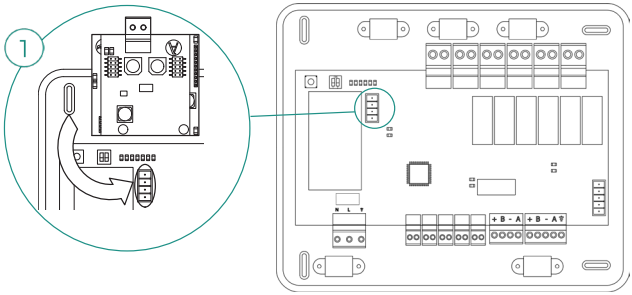
1. CCP status: Check that the power supply is correct.
2. Status of the main control board: Check the correct functioning of the automation bus/ⓘ LEDs.
3. Connections: Check that the polarity of the connections to the CCP and the main control board are correct.



Error C-09. Air to water gateway - Production control board

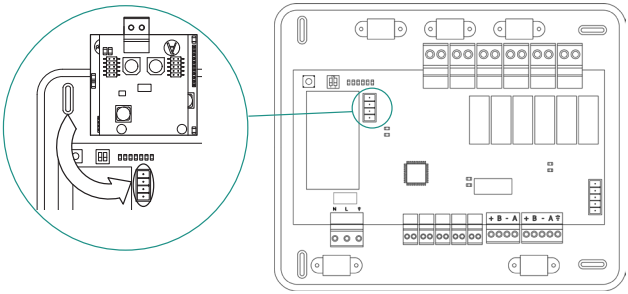
The gateway loses communication with the air to water unit. Control of the system will be disabled, thus allowing the air to water unit to operate from the manufacturer's thermostat. To resolve this issue, make the following checks:

1. Check that the gateway is properly connected to the production control board's AC unit port.
2. Check that the status of the connected gateway's LEDs is correct. To do so, make use of the troubleshooting section or your gateway's technical fact sheet.



Error C-011. Air to water gateway - Air to water unit

The gateway loses communication with the air to water unit. Control of the system will be disabled, thus allowing the air to water unit to operate from the manufacturer's thermostat. To resolve this issue, check that the gateway is properly connected to the CCP's automation bus and the connection between it and the indoor unit. For more information on the connection between your gateway and the indoor unit, refer to your gateway's data sheet.



Error R05. Open circuit in Control module of radiant elements temperature probe

The system loses the temperature measurement of the radiant manifold. Proceed to replace it of the device or sent it for repair.

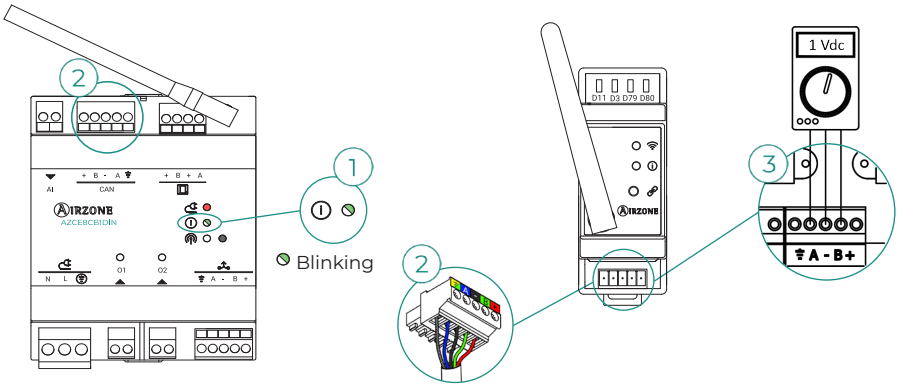
Error R06. Short circuit in Control module of radiant elements temperature probe

The system loses the temperature measurement of the radiant manifold. Proceed to replace it of the device or sent it for repair.

Error V01. AZCE8CM1VALR module – Main control board

This issue does not allow the system to control the device. To resolve this issue, make the following checks:

1. Status of the module and the main control board: Correct operation of the CAN bus/ⓘ LEDs.
2. Connection: Check that the polarity of the connections to the main control board and the module is correct.
3. Wiring: Check that the voltage between the poles (A/-) and (B/-) is about 1 VDC.



Error V02. AZCE8CM1VALR module – AZX6AC1VALR head

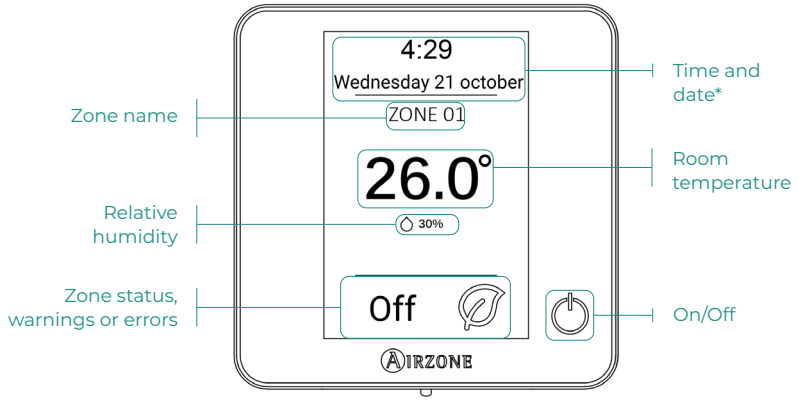
This issue does not allow the system to control the device. To resolve this issue, make the following checks:

1. Communication between AZCE8CM1VALR module and AZX6AC1VALR head.
2. Appropriate distance to ensure signal range between head and module. Maximum distance in open space: 40 m.

Navigation Trees

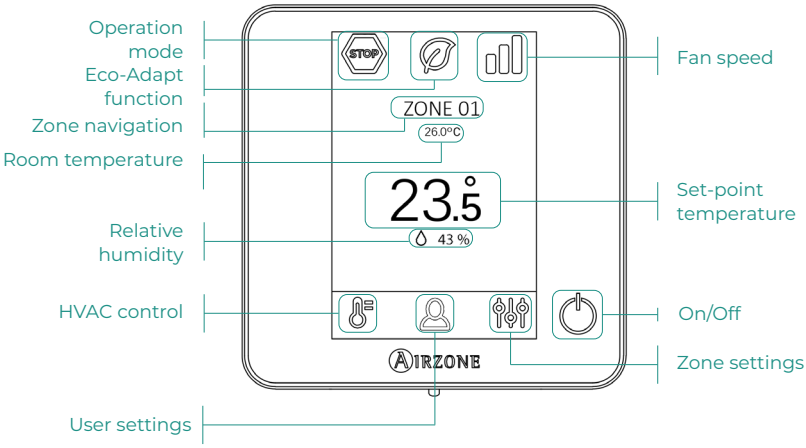
AIRZONE BLUEFACE ZERO

Screensaver



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

Main screen



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
- Cooling
- Heating
- Dry
- Ventilation
- Stop

ECO-Adapt
- Off
- A
- A+
- A++

Fan speed
- Automatic
- High
- Medium
- Low

User settings
- Lang./Country
- Brightness
- Information

Current zone

HVAC control

Room temp.

ON/OFF

Set-point temp.
+Temp.
-Temp.

Zone settings
- Sleep mode
- Anti-freezing
- Grille angle**
- Control stages**
- Q-Adapt
- Lite settings

Relative humidity

Press and hold on the zone settings Icon

Advanced settings

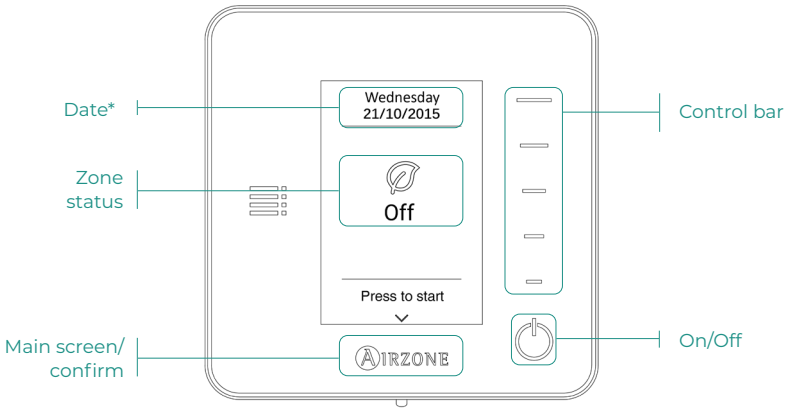
Zone
- Associated outputs
- Thermostat settings
- Control stages**
- Offset
- Reset thermostat

System
- System address**
- Radio channel
- Reset system
- Centralized control

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

AIRZONE THINK

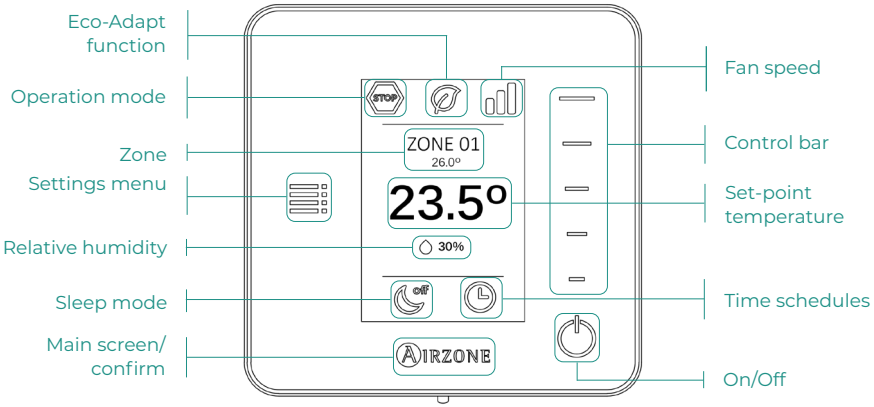
Screensaver



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

Main screen

Access the main screen by pressing “Airzone” from the screensaver:



Screensaver

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

*Depending on the devices connected

Press on Airzone

Main screen

INFORMATIVE ICONS

Operation mode
- Cooling
- Heating
- Dry
- Ventilation
- Stop

ECO-Adapt
- Off
- A
- A+
- A++

Fan speed
- Automatic
- High
- Medium
- Low

Relative humidity

Sleep mode

Current zone

Room temp.

Set-point temp.
+Temp.
-Temp.

Time schedules

CAPACITIVE BUTTONS

On/Off

Airzone

Settings menu
Mode**
Speed**
Sleep mode
Zone navigation

Control bar

Press and hold twice on Airzone

Advanced settings

Zone
Associated outputs
Thermostat settings
Use mode
Control stages**
Offset
Reset thermostat

System
System address**
Temperature range
Combined stage**
Hysteresis Config.
Type of opening
Q-Adapt
Relay settings
Centralized control
Return temperature
Radio channel
Information

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

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