

HVAC Integration and Control Solutions

ENERGY EFFICIENCY AND COMFORT FOR COMMERCIAL
AND RESIDENTIAL APPLICATIONS



IS THIS FOR YOU?

Since 1997, the most demanding HVAC design engineers and installers have found in Airzone solutions a partner for residential and tertiary projects where they need to go beyond the set standards in energy efficiency and comfort.

WHY TRUST AIRZONE?

Today, Airzone is a team of 450 people, operating in 68 countries, where it collaborates with over 80 distributors and 3,000 top-tier installation companies.

Airzone control solutions are developed in collaboration with leading HVAC manufacturers and are compatible with major Smart Home and BMS integration standards.



Climate Control People

HVAC A IT

+130 COMPATIBLE BRANDS



Inverter/VRF



Fan coil



Air-to-Water
Heat Pump

+40 INTEGRATION OPTIONS



Smart Home
/ BMS



Standard
Protocols



IoT

COMPATIBLE HVAC BRANDS

AUX AERMEC Altech[®] AIRCALD atlantic BAXI binidima
BOSCH Carrier CHAPPEE CIAT CLIMAVENETA CLIVET[®]
DAIKIN daitsu De Dietrich ESE ELECTRIC EKOKAI FUJITSU
Fuji Electric Galletti GENERAL giatsu GREE inventor
Haier HEIWA HOKKAIDO Hisense HITACHI HIYASU HTW
johnson KOSNER legrand LG MULTIWARM MUNDI CLIMA
Midea MITSUBISHI NIPPONAIR OLYMPIA SPLENDID Panasonic ROTENSO[®]
SABIANA SAMSUNG systemair TOSHIBA TRANE VIESSMANN
altherma -AQUAREA- ecodan Midea Open Therm YUTAKI

COMPATIBLE SMART HOME/BMS STANDARDS

alfredsmart CHERUBINI Control4 CRESTRON
DELTA DORE eedomus energieasyconnect ELAN FERMAX
fhe Home Assistant Loxone LUTRON Nice
RVI SAVANT Schneider Electric SMART CONNECTIVE U-C
BACnet Modbus KNX zigbee ZWAVE
amazon alexa works with the Google Assistant Works with SmartThings Works with IFTTT
ecobee Honeywell Nest

HVAC Control equals savings and comfort

Airzone control solutions are designed to adapt the operation of air conditioning and heating equipment to the specific characteristics of each building and the real needs of its users. This customization tackles the prevalent issues of user discomfort and excessive energy consumption.

Airzone solutions integrate **zone-specific regulation** with **centralized control** for heating and cooling systems commonly used in the 'light commercial' segment. Thanks to Airzone's advanced algorithms, energy consumption in these installations can be reduced by an average of 30%, while user comfort can reach nearly 100% in each conditioned space.



Air-to-water heat pumps



VRF



Direct expansion split units



Radiators

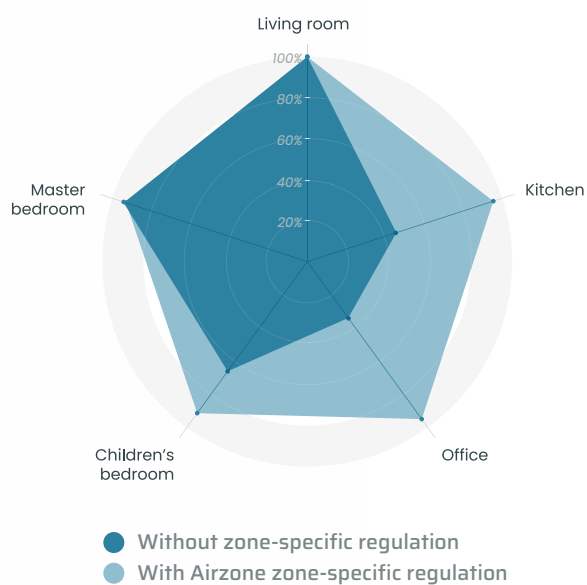
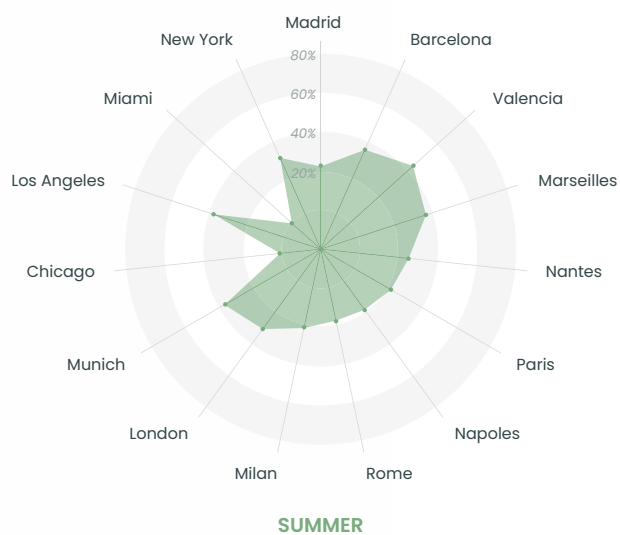
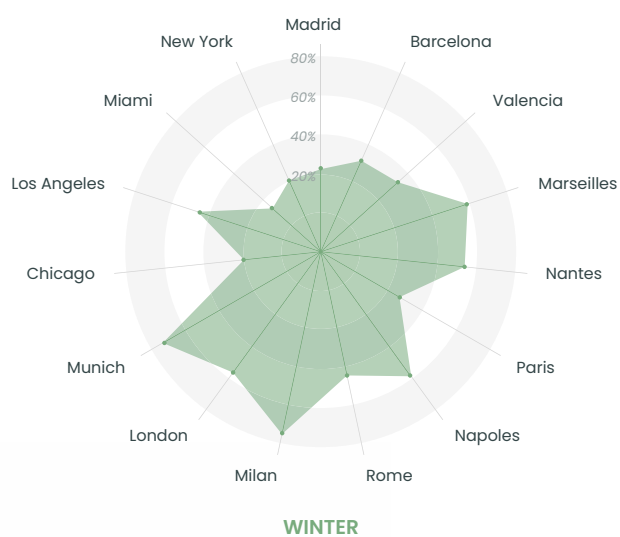


Underfloor radiant heating/cooling



Chilled water fan coils





HVAC Integration

Airzone solutions enable complete control of a building's HVAC installations through the Airzone Cloud app, or easy management via leading Smart Home and BMS systems. Airzone aims to seamlessly control both air conditioning and heating installations, providing straightforward connectivity with building automation and energy management systems. Airzone integration solutions offer two-way communication between the HVAC unit and the management system, utilizing the manufacturer's communication protocols. All Airzone integration solutions are developed in collaboration with, and tested by, HVAC manufacturers.

HVAC Integration Options Provided by Airzone:

	DIRECT EXPANSION		AIR-TO-WATER					VENTILATION
HVAC Control / Smart Home / BMS	Monozone	Multizone	Fan Coil. Single Unit.	Air-to-Water Heat Pump	Fan Coil. Multizone.	Underfloor Heating/Cooling. Multizone.	Water Radiators. Multizone.	Monozone
BACnet MS/TP	Aidoo Pro DX	Webserver HUB	Aidoo Pro Fan Coil	Aidoo Pro Air-to-Water Heat Pump	Webserver HUB	Webserver HUB	Webserver HUB	-
BACnet IP	Aidoo Pro DX	Webserver HUB	Aidoo Pro Fan Coil	Aidoo Pro Air-to-Water Heat Pump	Webserver HUB	Webserver HUB	Webserver HUB	-
Modbus RTU	Aidoo Zigbee Aidoo Z-Wave Aidoo Pro DX Aidoo Wi-Fi	Webserver HUB	Aidoo Pro Fan Coil	Aidoo Pro Air-to-Water Heat Pump	Webserver HUB	Webserver HUB	Webserver HUB	Aidoo Pro Ventilation
Modbus TCP	Aidoo Pro DX	Webserver HUB	Aidoo Pro Fan Coil	Aidoo Pro Air-to-Water Heat Pump	Webserver HUB	Webserver HUB	Webserver HUB	Aidoo Pro Ventilation
KNX	Aidoo KNX	Webserver HUB	-	Aidoo KNX	KNX Gateway	KNX Gateway	KNX Gateway	-
API Cloud	Aidoo Pro DX	Webserver HUB	Aidoo Pro Fan Coil	Aidoo Pro Air-to-Water Heat Pump	Webserver HUB	Webserver HUB	Webserver HUB	Aidoo Pro Ventilation
API Rest	Aidoo Pro DX	Webserver HUB	Aidoo Pro Fan Coil	Aidoo Pro Air-to-Water Heat Pump	Webserver HUB	Webserver HUB	Webserver HUB	Aidoo Pro Ventilation
Zigbee	Aidoo Zigbee	-	-	-	-	-	-	-
Z-Wave	Aidoo Z-Wave	-	-	-	-	-	-	-

Our products

Airzone Cloud App


SMARTPHONE AND DESKTOP HVAC MANAGEMENT APPLICATION


Airzone Cloud application offers remote control and management of HVAC systems that use Airzone control elements such as Flexa 4.0, Acuazone, Easyzone, Aidoo, or AirQ. By integrating heating and air conditioning control in a single app, you can directly manage daily usage to minimize energy wastage.

Daily maintenance and management of HVAC installations are simplified with the visualization of all connected units and the application's features, such as calendar programming, scene creation, and temperature limiting. Airzone Cloud provides unified, multi-brand, multiprotocol, and multisite management, ensuring comprehensive and efficient control of your HVAC systems.



 All zones on/off.

 Temperature setpoint.

 Operating mode.


 Sleep mode for programmed shutdown.


 Weather forecast.

 Weekly and calendar programming.


 Eco-Adapt function.

 Configuration wizard.


 Multi-user: advanced, basic or admin profile.

 Indoor air quality display.

 Access to technical documentation.

 Indoor unit fan speed.

 Domestic hot water control.

 Units error codes.

Flexa 4.0

CONTROL AND ZONE-SPECIFIC REGULATIONS FOR CENTRALIZED HVAC APPLICATIONS

Zone regulation divides a building's HVAC system into independent climate zones, adapting seamlessly to the unique characteristics and uses of each space. Flexa 4.0 integrates ducted air conditioning, under-floor heating and cooling, and radiator heating into a cohesive system. Utilizing proprietary algorithms, Flexa 4.0 ensures maximum user comfort while minimizing energy consumption.



Acuazone

CONTROL AND REGULATION FOR HYBRID HVAC SYSTEMS

Acuazone is the Airzone control application engineered to integrate multiple HVAC unit types, including air-to-air and air-to-water heat pumps, minisplits, ducted units, fan coil units, underfloor heating and cooling, and radiators.

This advanced system creates a hybrid HVAC solution suitable for any light commercial application. Acuazone enhances energy efficiency and ensures superior comfort through comprehensive, integrated management of diverse HVAC components. With its adaptable design, Acuazone provides precise control and optimization for most HVAC applications.



Easyzone IAQ

ALL-IN-ONE PLUG & PLAY CONTROL AND REGULATION KIT

Easyzone IAQ is an all-in-one solution that combines air purification, zoning control, and connectivity for ducted HVAC systems or hybrid systems that include ducted air conditioning with underfloor heating or radiators. By using built-in ionization, it significantly improves indoor air quality. The zoning feature ensures that heating and cooling operate only in needed areas, optimizing energy use and enhancing comfort. With user-friendly connectivity, the system can be managed easily from various devices, ensuring a comprehensive and efficient climate control solution.

Aidoo

FAST AND SIMPLE HVAC INTEGRATION

Aidoo devices offer comprehensive control over a building's HVAC units, including direct expansion units, fan coil units, and air-to-water heat pumps. The integration capabilities of the Aidoo range support major standard communication protocols such as BACnet, Modbus, API, KNX, Z-Wave, and Zigbee. Aidoo enables unified, multi-brand, multiprotocol, and multisite management via the Airzone Cloud app, as well as Smart Home and BMS systems.



AirQ

IMPROVED IAQ FOR NEW APPLICATIONS AND RETROFITS

AirQ solutions improve indoor air quality through two key applications: ionization-based air purification and automated ventilation control. Ionizers, distributed in the ductwork, purify the air, removing pollutants effectively. AirQ Sensors monitor air quality and automatically activate the ventilation system when needed, ensuring optimal indoor air.

AirQ's two applications effectively tackle the main sources of poor air quality: CO2 concentration and airborne particles such as viruses, pollen, and dust.

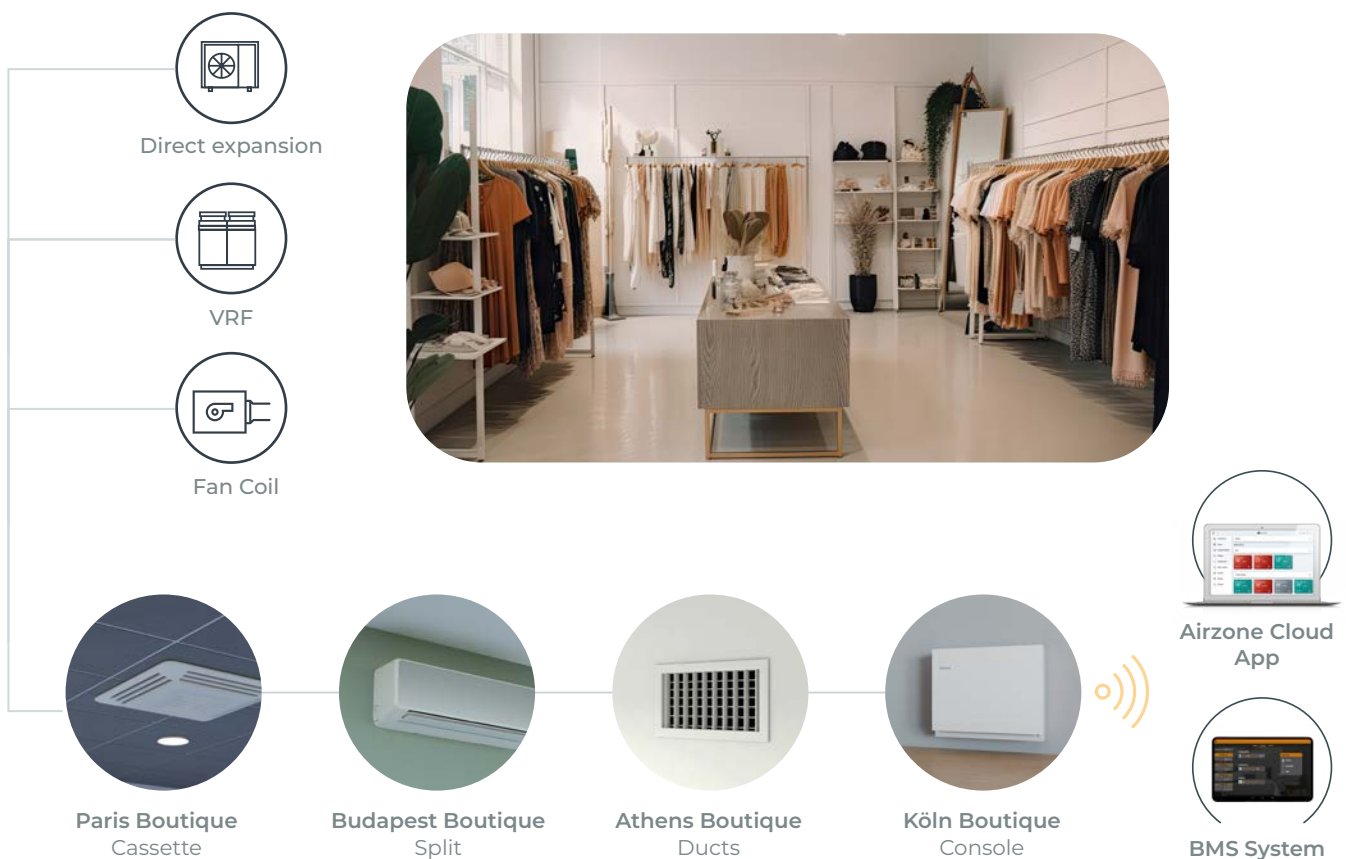


Retail

Managing groups of HVAC units

Thanks to our collaboration with leading HVAC manufacturers, Airzone offers a comprehensive solution for connecting and controlling multiple indoor units, regardless of their brand or technology. This integra-

ted management system is optimized and tailored to meet the specific needs of each establishment and the common requirements of retail chains.



Highlighted Feature

SCHEDULING AND TEMPERATURE LIMITS

Aidoo allows you to set lower and upper temperature limits for an installation or a group of installations, enabling owners to manage energy costs effectively and prevent energy waste. Additionally, Aidoo offers scheduling capabilities, allowing you to adjust heating and cooling settings based on specific times and seasons, further optimizing energy usage.



Multibrand



Scheduling
& Temperature Limitation



Remote
Management



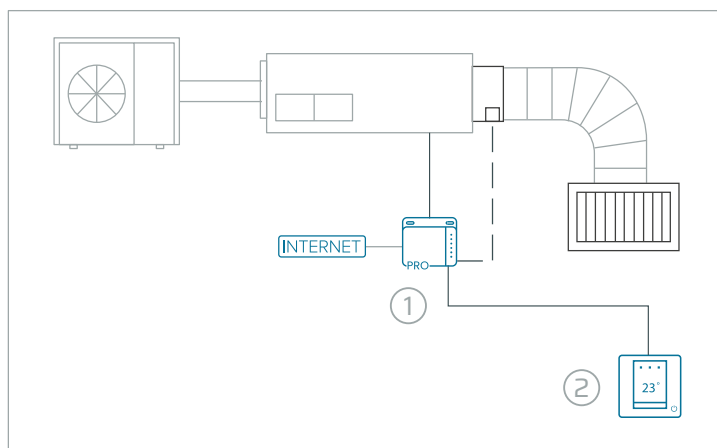
Centralized
Control



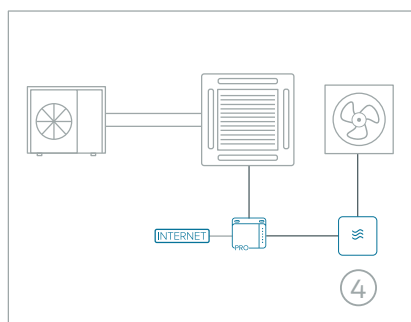
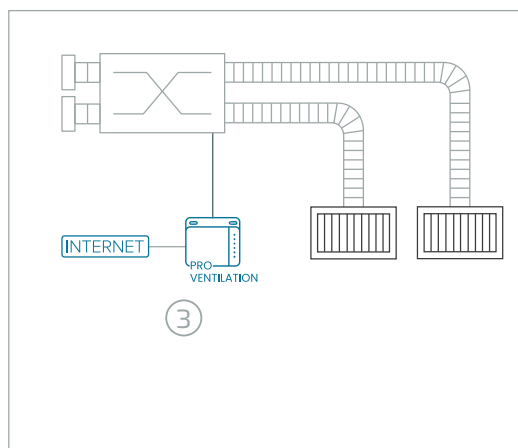
New installations
& Retrofit

— AIRZONE BUS CABLE

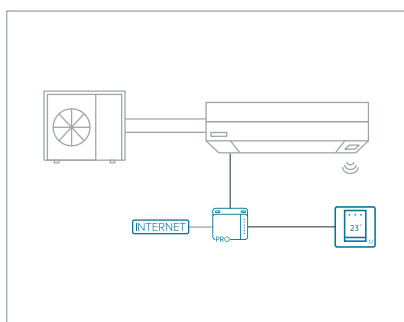
— AIRZONE RN CABLE



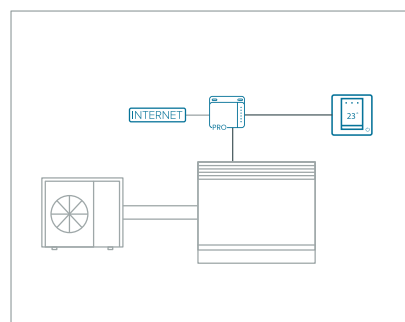
Athens Boutique



Paris Boutique



Budapest Boutique



Köln Boutique

	REFERENCE NUMBER	DESCRIPTION	U
1	AZAI6WSP [XXX]	Aidoo Pro [BRAND]	4
2	AZAI6BLUEZEROC [B/N] ¹	Aidoo Pro Blueface Zero Wired Thermostat Black/White	3
3	AZAI6WSPMB2	Aidoo Pro for ventilation units with Modbus communications	1
4	AZX6AIQSNB	AirQ indoor air quality (IAQ) sensor	1

CONNECTED HVAC SOLUTION



Modbus RTU
Modbus TCP



<< Check
your unit
compatibility

¹ Optional.

Office building

Modular Control Tailored to Office Needs

Airzone regulation offers a modular solution that allows for room-by-room control of heating and air conditioning. Our all-in-one Easyzone kit represents a Plug & Play solution, available with an optional fresh

air intake. This system can regulate between 2 to 8 zones, providing flexible and efficient climate control for your office space.

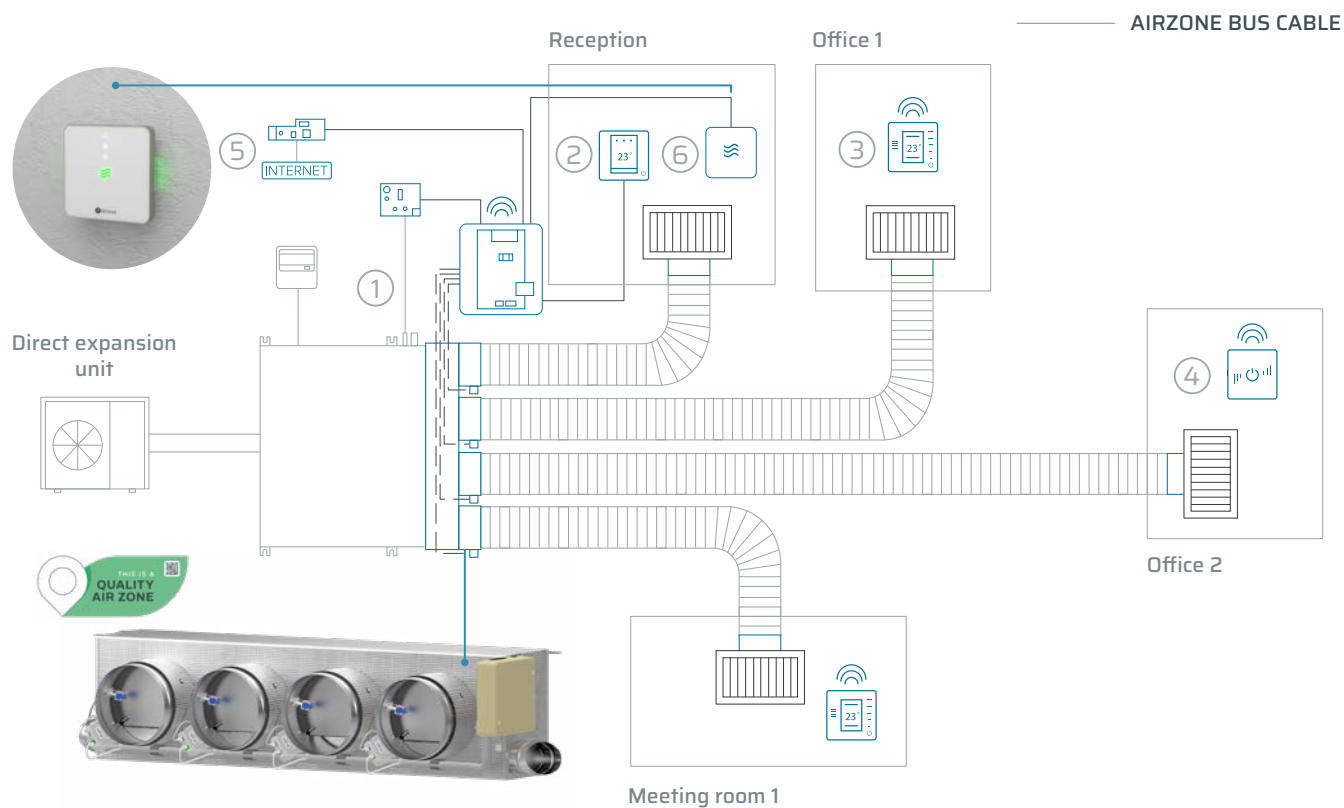


Highlighted Feature

ROOM-BY-ROOM AIRFLOW MANAGEMENT

Each motorized damper features a patented air balancing mechanism, which, combined with the Q-Adapt algorithm, optimizes airflow management. The system also offers the option for external air influx, enhancing ventilation.

- Independent temperatures
- Scheduling & Temperature Limitation
- Remote Management
- Centralized Control
- New installations & Retrofit



	REFERENCE NUMBER	DESCRIPTION	U
1	AZE28 [XXX] [ST/SL/BS] 4x [200/150]	Easyzone IAQ [Standard + CMV / Slim + CMV / Medium] IB8 [brand] 4x [200/150] 01M	1
		Airzone - [brand] controller gateway	
		Airzone main controller of the Flexa 4.0 system - Innobus Pro8 - 8 zones	
		Ioniser for each damper and integrated sensor	
2	AZCE6BLUEZEROC [B/N]	Airzone Blueface Zero wired thermostat [white/black]	1
3	AZCE6THINKR [B/N]	Airzone Think wireless monochrome thermostat [white/black]	2
4	AZCE6LITE [C/R] [B/N]	Airzone Lite Thermostat [wired/wireless][white/black]	1
5	AZX6WSC5GER	Airzone Cloud Webserver Wi-Fi Dual 2.4-5 GHz	1
6	AZX6AIQSNSB	AirQ indoor air quality (IAQ) sensor	1

CONNECTED HVAC SOLUTION

- Airzone Cloud
- BACnet MS/TP Port BACnet IP
- Modbus RTU Modbus TCP
- {REST:API}
- API
- KNX Gateway



<< Pack configurator

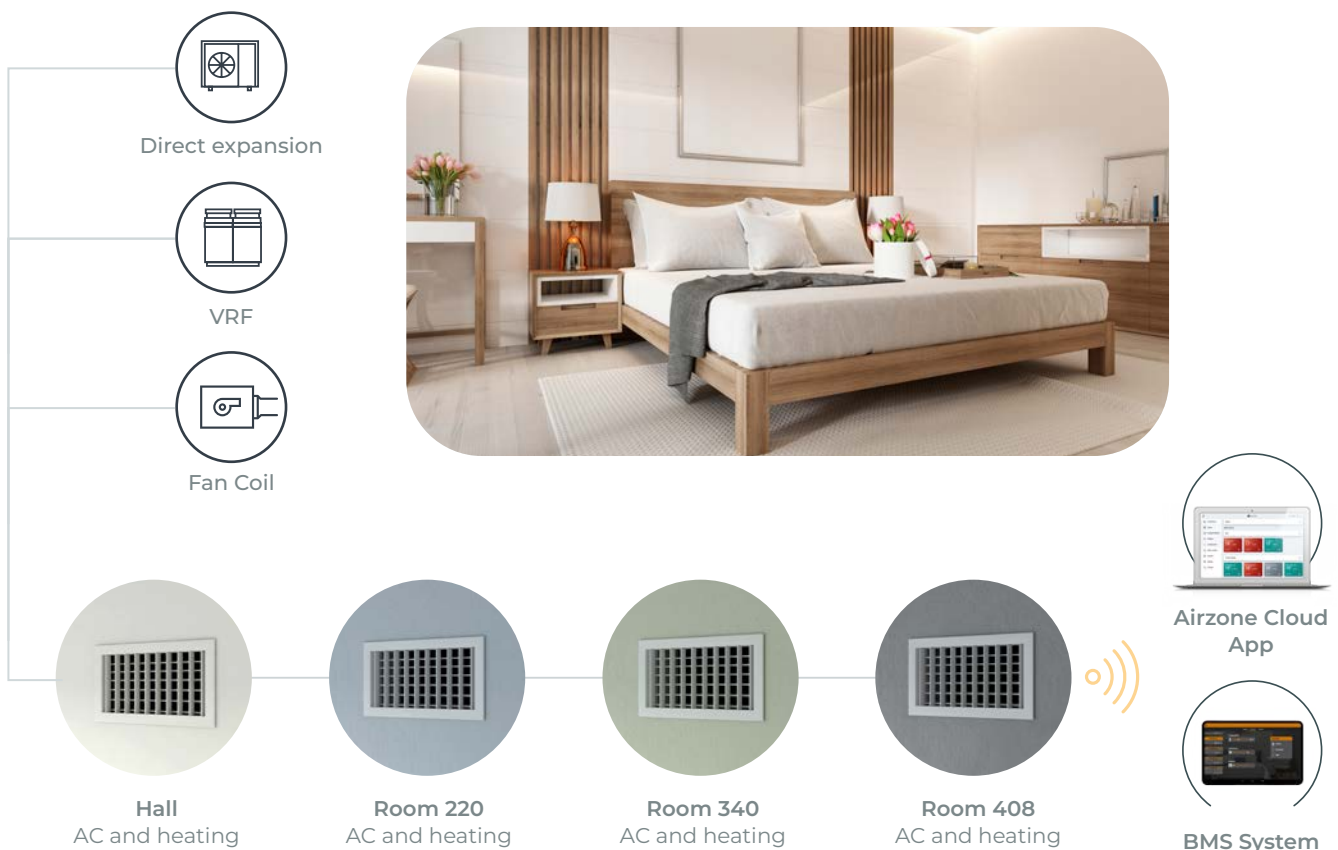
* Applicable if the system has an Airzone Cloud Webserver.

Hotel

Centralized Control for Individual Units

The Aidoo Pro solution offers complete control, even for existing individual units. The specially designed Aidoo model for fan coil units allows you to manage multiple units through a single application.

Additionally, it integrates this control into building management systems, providing centralized and simplified management for the entire installation.

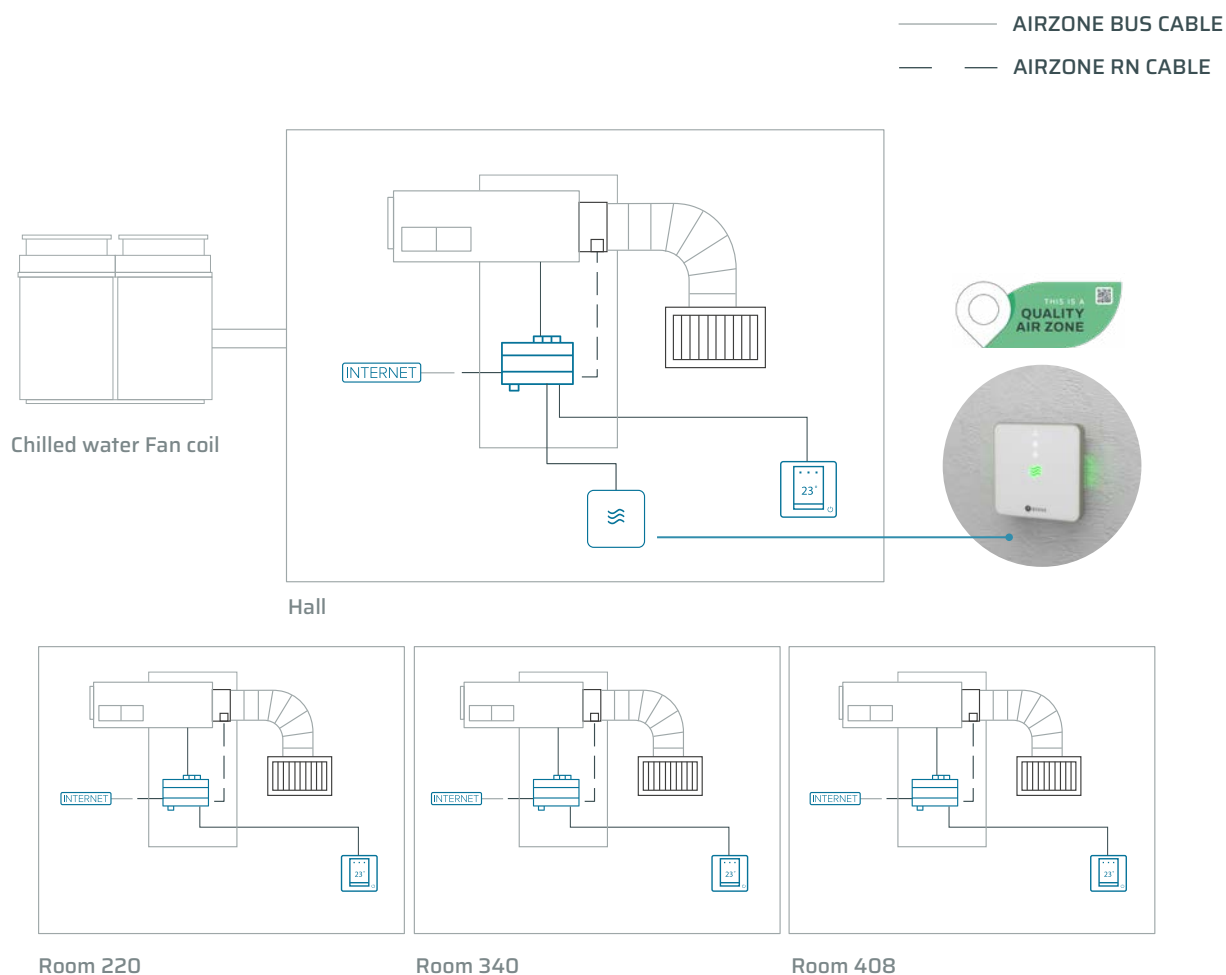


Highlighted Feature

ADVANCED ROOM CONTROL WITH AIDOO PRO FAN COIL

Aidoo Pro Fan Coil offers individual room control through a touchscreen thermostat, ensuring precise temperature management in each room. It can connect to window sensors and presence detectors to prevent energy waste. Additionally, it supports auxiliary heating for 2-pipe, 4-pipe, and 2-pipe 2-wire installations, providing versatile and efficient climate control solutions.

- Independent temperatures
- Scheduling & Temperature Limitation
- Remote Management
- Centralized Control
- New installations & Retrofit



	REFERENCE NUMBER	DESCRIPTION	U
1	AZAI6WSPFAN	Aidoo Pro control Wi-Fi Fan coil by Airzone	4
2	AZCE6BLUEZEROC [B/N]	Airzone Flexa Blueface Zero wired thermostat [black/white]	4
3	AZX6AIQSNSB	AirQ indoor air quality (IAQ) sensor	1

CONNECTED HVAC SOLUTION



Modbus RTU
Modbus TCP



KNX
Gateway



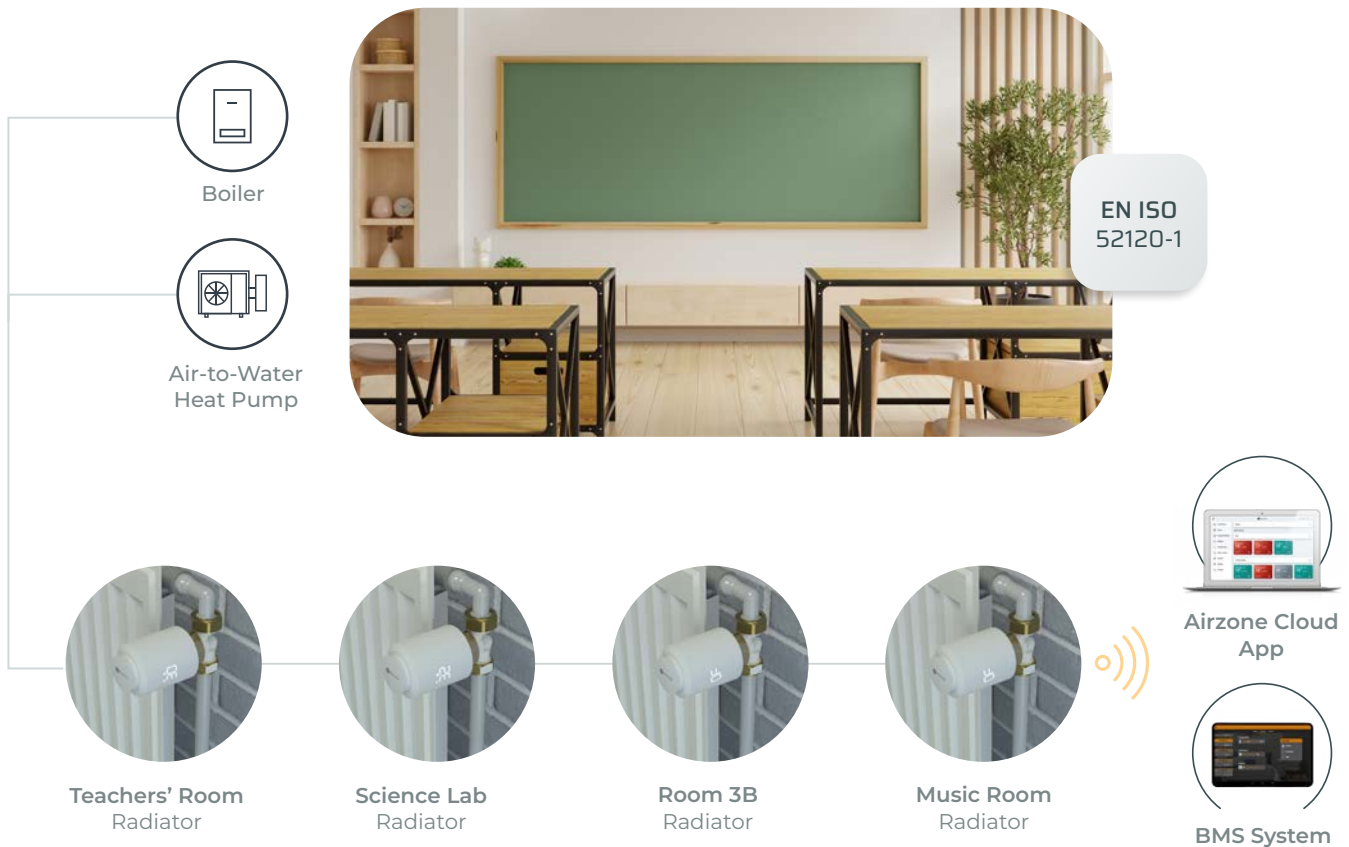
<< Check
your unit
compatibility

Schools and public buildings

Optimized Room-by-Room Heating Control and Air Quality Management

Airzone's heating regulation ensures precise temperature control for each room, providing optimal comfort for occupants. This Plug & Play solution, suitable for both new and existing collective heating systems, is easy to install and offers efficient HVAC management.

Additionally, our AirQ air quality sensor monitors indoor air quality in real-time. When combined with a ventilation system and our air purification solutions, it helps maintain a clean and healthy indoor atmosphere.

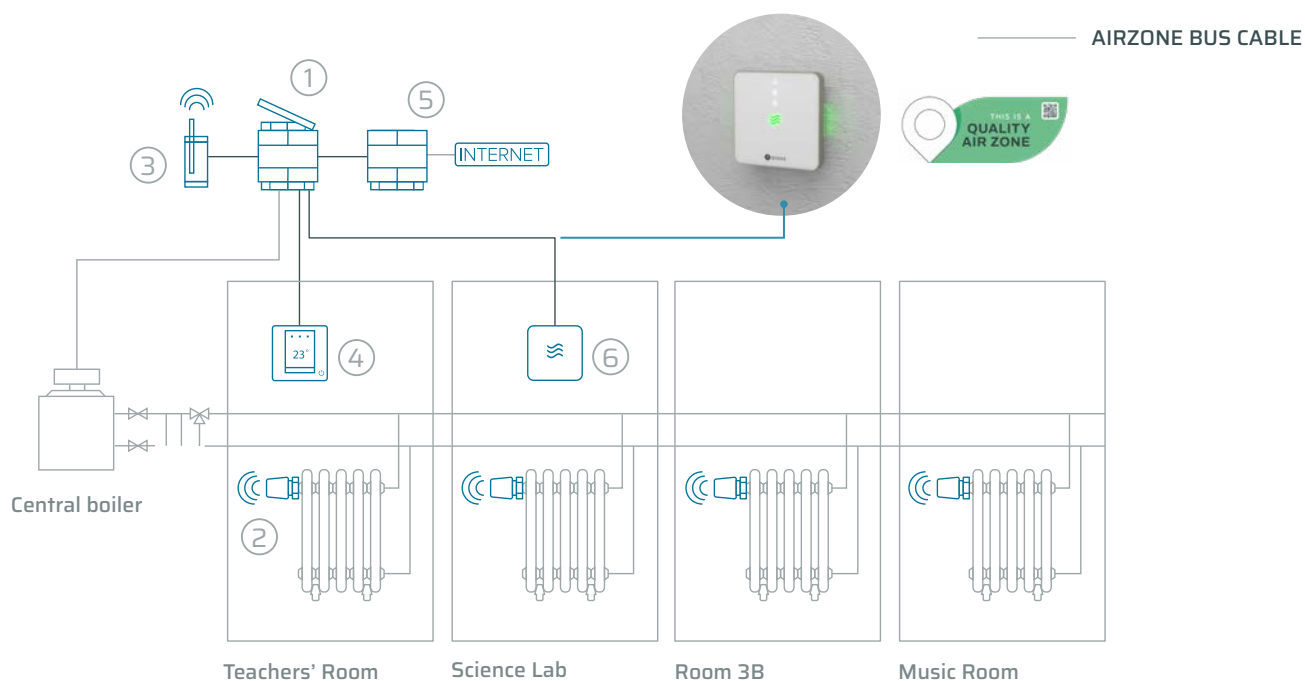


Highlighted Feature

AIR QUALITY MONITORING AND AUTOMATIC VENTILATION CONTROL

Our particle sensor monitors variables that influence air quality, including CO₂, VOC, PM₁₀, and PM_{2.5} levels. It indicates whether the air quality in a room is "good," "medium," or "poor." When combined with a ventilation system, it can automatically activate the ventilation when the air quality sensor detects unsatisfactory conditions, ensuring effective indoor air renewal.

- Independent temperatures
- Scheduling & Temperature Limitation
- Remote Management*
- Centralized Control
- New installations & Retrofit



REFERENCE NUMBER	DESCRIPTION	U
1	AZCE8CBIDIN Flexa 4.0 main control board using DIN rail - 8 zones	1
2	AZX6AC1VALR Airzone VALR wireless thermostatic head for radiators	4
3	AZX6CM1VALR Airzone Flexa 4.0 control module for wireless thermostatic valve actuators VALR	1
4	AZCE6BLUEZEROC [B/N] Airzone Flexa Blueface Zero wired thermostat [black/white]	1
5	AZX6WSPHUB Webserver HUB Airzone Cloud Dual 2.4-5 GHz/Ethernet	1
6	AZX6AIQNSB ¹ AirQ indoor air quality (IAQ) sensor	1

CONNECTED HVAC SOLUTION



Modbus RTU
Modbus TCP

{REST:API}



KNX
Gateway



<< Pack
configurator

¹Optional.

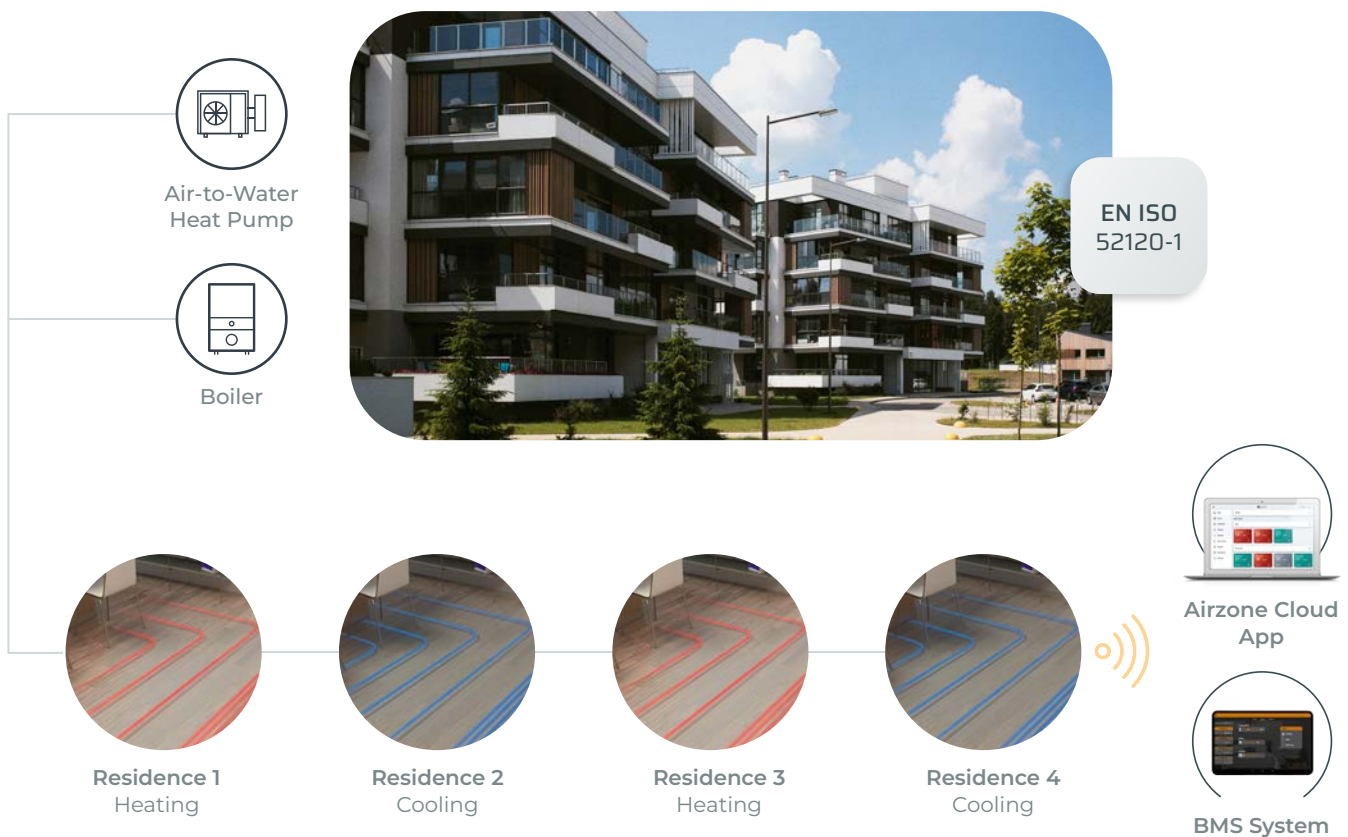
* Applicable if the system has an Airzone Cloud Webserver.

Multifamily residential building

Individual Control for Centralized Systems

When installed in buildings with a collective heating unit, Airzone regulation allows for the independent control of each entry valve in each dwelling or each room within a dwelling. When installed with individual boilers or heat pumps, the system will coordinate the

operation of these units. This enables individuals to regulate the heating and cooling in their homes individually, providing personalized comfort and energy efficiency.



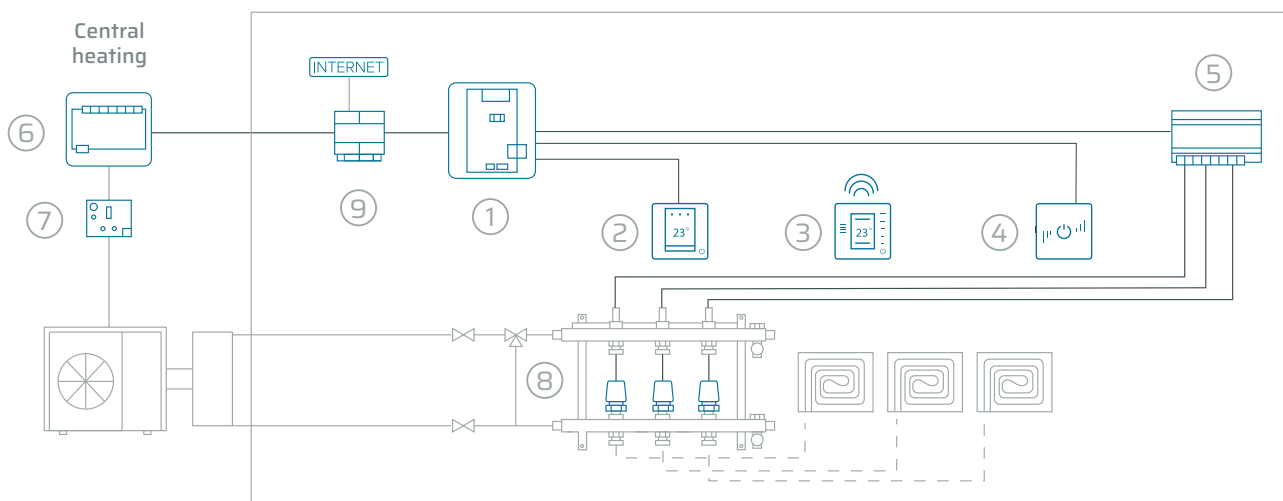
Highlighted Feature

TEMPERATURE AND HUMIDITY CONTROL

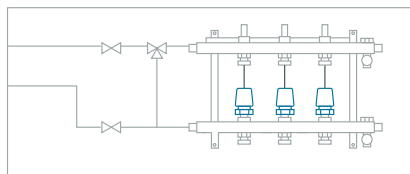
Airzone offers precise control with the Eco-Adapt functionality, allowing you to set minimum and maximum temperature limits in all rooms for efficient energy management. It optimizes comfort by intelligently controlling the thermal inertia of the floor. Additionally, the system includes anti-condensation control by measuring humidity levels, monitoring ambient temperature, and managing the dehumidifier to maintain a comfortable and healthy indoor environment.

- Independent temperatures
- Scheduling & Temperature Limitation
- Remote Management*
- Centralized Control
- New installations & Retrofit

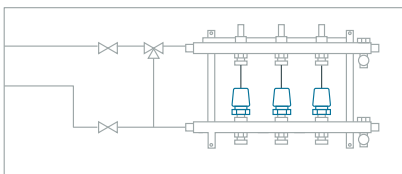
AIRZONE BUS CABLE



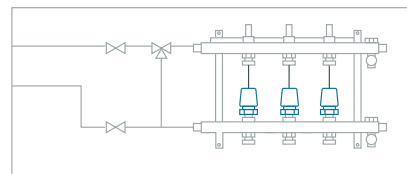
Residence 1



Residence 2



Residence 3



Residence 4

REFERENCE NUMBER	DESCRIPTION	U
1	AZCE8CBIMOT Flexa 4.0 main control board - 8 zones	4
2	AZCE6BLUEZEROC [B/N] Airzone Flexa Blueface Zero wired thermostat [black/white]	4
3	AZCE6THINKR [B/N] Airzone Flexa Think monochrome wireless thermostat [black/white]	4
4	AZCE6LITE [C/R] [B/N] Airzone Flexa Lite [wired/wireless] simplified thermostat [black/white]	4
5	AZCE8CMIVALC Airzone control module of 110/230V VALC wired valves	4
6	AZX6CCPGAWI Airzone hydronic production control board	1
7	AZX6GAW [XXX] Airzone air to water gateway - [brand]	1
8	AZX6ACTIVALC Airzone wired 110/230V VALC thermostatic head for radiant elements M30x1.5 mm	12
9	AZX6WSPHUB Airzone Cloud Dual Webserver HUB 2.4-5G - Ethernet	4

A SMART SOLUTION FOR RESIDENTIAL APPLICATIONS



<< Pack configurator

* Applicable if the system has an Airzone Cloud Webserver.

Single Family Home

Hybrid HVAC Solutions

Airzone integrates underfloor heating/cooling and ducted or ductless air conditioning systems for joint management of both installations. Airzone's proprietary algorithm intelligently selects the appropriate system—air conditioning only, underfloor heating only, or a combination of both—based on the current temperature of the house and the desired set point.

This ensures the home reaches the set temperature in the shortest time possible while minimizing energy consumption. With one thermostat per zone for both air conditioning and heating, Airzone eliminates the need for separate thermostats, streamlining control and enhancing user convenience.

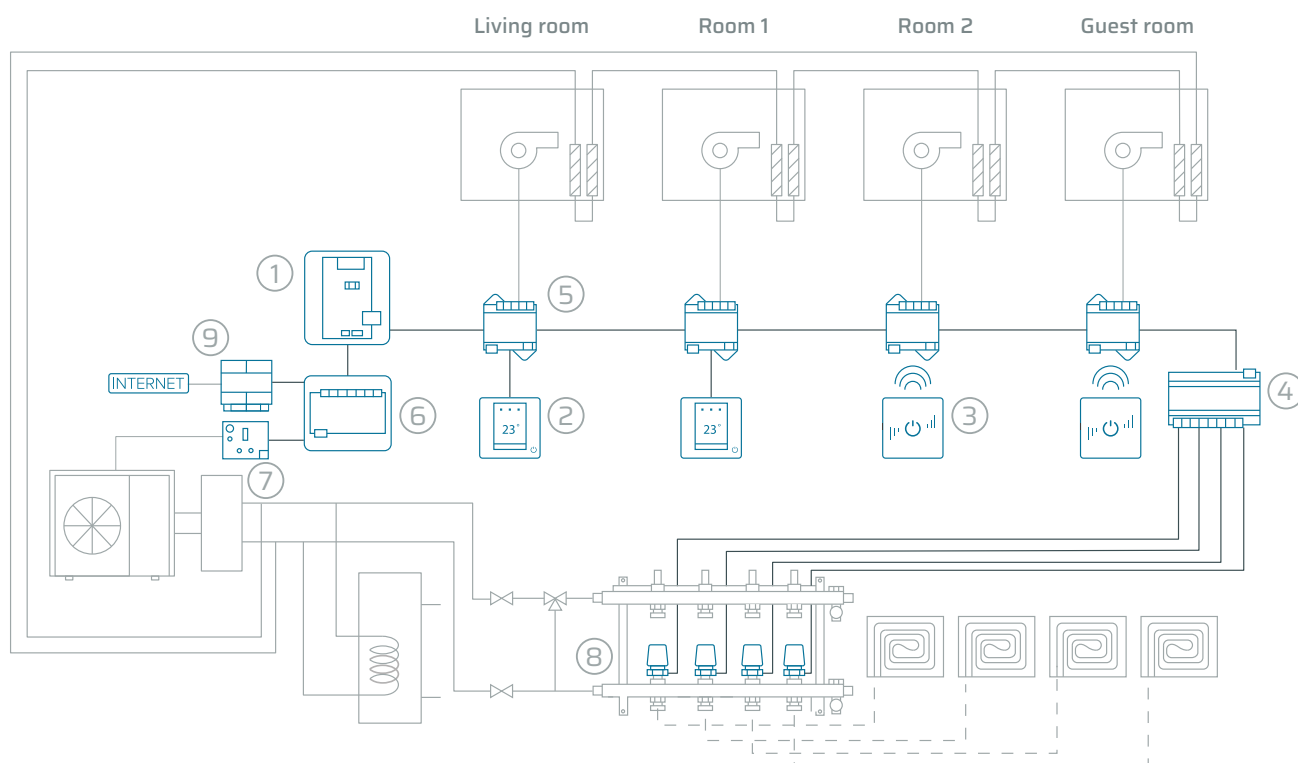


Highlighted Feature

VERSATILE INTEGRATION OF AIR CONDITIONING EQUIPMENT

The Airzone control system is capable of integrating any type of air conditioning equipment, whether zoned or single units. This flexibility allows installers to customize the HVAC setup to meet the specific needs of each project.

- Independent temperatures
- Scheduling & Temperature Limitation
- Combined control
- Remote Management*
- Weather forecasts*
- New installations & Retrofit

AIRZONE BUS CABLE


REFERENCE NUMBER	DESCRIPTION	U
1	AZDI6ACUAZONE Airzone Acuazone main control board 32Z	1
2	AZDI6BLUEZEROC [B/N] Airzone Acuazone Blueface Zero wired thermostat [white/black]	2
3	AZDI6LITE [C/R] [B/N] Airzone Acuazone Lite simplified thermostat [wired/wireless] [white/black]	2
4	AZDI6OUTPUT8 Airzone control module of radiant elements 32Z	1
5	AZDI6MCFAN [C/R] Airzone 3 speed fan coil individual unit zone module [wired/wireless]	4
6	AZX6CCPGAWI Airzone hydronic production control board	1
7	AZX6GAW [XXX] Airzone air to water gateway - [brand]	1
8	AZX6AC1VALC Airzone wired 110/230V VALC thermostatic head for radiant elements M30x1.5 mm	4
9	AZX6WSPHUB Airzone Cloud Dual Webserver HUB 2.4-5G - Ethernet	1

A SMART SOLUTION FOR RESIDENTIAL APPLICATIONS


<< Check
your unit
compatibility

* Applicable if the system has an Airzone Cloud Webserver.

Getting started with Airzone: a step-by-step guide

Airzone offers much more than just products. Our company has developed a comprehensive range of services to assist you in incorporating our solutions into your HVAC projects seamlessly. Follow these steps to ensure a smooth and successful installation.



1. Contact Our Sales Account Manager

Reach out to our sales account Manager with your project details. We're ready to assist you with expert advice and recommendations.

>>



2. Send Us Your Plans or Use Ductzone

Provide us with your project plans, and we will help you design a tailored HVAC solution that meets your specific needs. Alternatively, use our Ductzone tool to create an HVAC project starting with a plan in just 10 minutes.

>>



3. Use Our Quote Wizzard

Prepare your offer using our Quote Wizzard. This tool will help you create a detailed and accurate proposal for your clients.

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4. Place Your Order Online

Visit our website to place your order. Our online platform makes the ordering process quick and easy.

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5. Learn with Airzone Academy



◀◀ Access our Academy to learn how to perform an Airzone installation and prepare your staff for the job. Our training resources will ensure your team is well-equipped.

6. Watch Our Installation Videos



◀◀ Prepare for the installation by watching our comprehensive video tutorials. These videos provide step-by-step guidance to help you through the process.

7. Phone Support During Installation



◀◀ If you have any doubt during the installation, use our phone support service. Our experts are available to assist you and answer your questions.

8. Start-Up Service



◀◀ Take advantage of our Start-Up service. This service ensures your system is set up correctly and works optimally from the start.

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By following these steps, you can seamlessly integrate Airzone products into your HVAC projects, ensuring enhanced performance and client satisfaction. Welcome to Airzone!

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Contact Airzone



**PLEASE CONTACT OUR BACK OFFICE TEAM
TO REQUEST A QUOTATION FOR YOUR PROJECT:**

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airzonecontrol.com · +44 330 822 0991

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Marie Curie, 21 · 29590 Málaga (Spain)

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