AIRZONE

Professional Catalogue

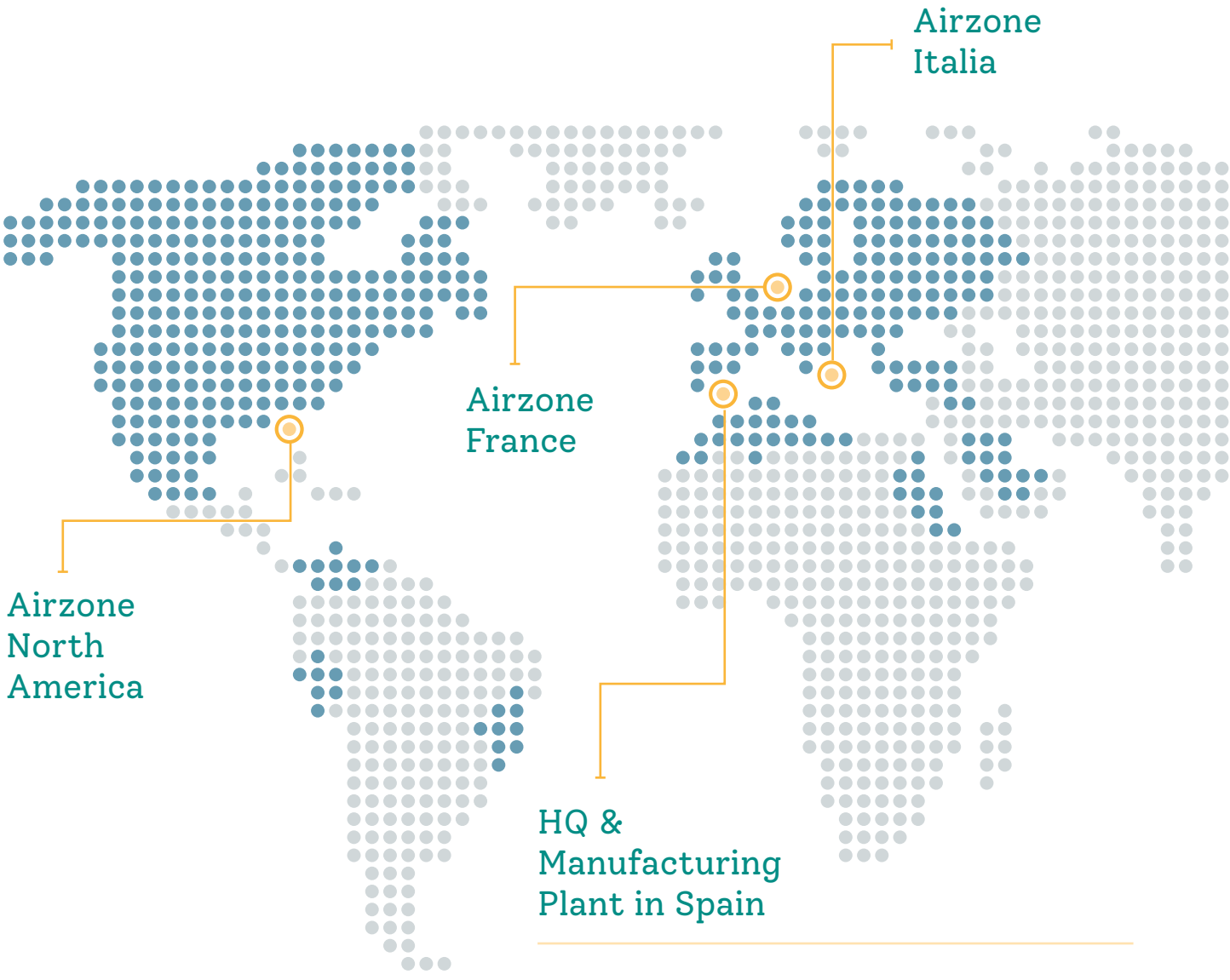
SMART HVAC CONTROL

2023/2024

£ PRICES IN POUND

Airzone Global

Corporación Empresarial Altra
Growth, innovation and assistance throughout the country.



Our manufacturing centre located in Malaga (Spain), has a production area of more than 5,000 m². Of all our manufacturing, 50% is installed internationally.

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Browse the catalogue with just one click!

Airzone, far more than a product

At Airzone, we offer **integrated and efficient heating and cooling control solutions** that put user's well-being first.

We are constantly carrying out **research and development projects to offer the best solution** on the market and position ourselves as a world leader in air quality and control systems.

An international company

We have a global presence and have our own offices in Spain, France, Italy and the United States.

We focus on digitalisation

Our platforms and tools are available 24/7.

Technological innovation

We develop solutions based on the latest technology on the market and offer state-of-the-art connectivity.

Large range of products

We have a solution for all technologies and all types of HVAC applications.

More than

70,000

Airzone installations connected around the world

SINCE 2016

More than

800,000 t

of CO_2 saved with our systems

More than

450,000

Airzone systems installed

SINCE 1997

More than

90%

increase in comfort*

* Data taken from the report on the Airzone zoned model, produced by UMA: **airzonecontrol.com/support/downloads**

We are working for the change

Integration with HVAC units

Protocols certified by the manufacturer. Improved energy performance and reduced installed power of inverter units.

Control solutions

Solutions compatible with Inverter, VRF, chilled water and boiler technologies. All control is done from a single interface, for both residential and commercial buildings.

Creation of zone systems

The first step towards optimal comfort: control of ducted units in each room.

1997

2008

Internationalisation of the company

More than 65% of our production operates internationally.

The arrival of digitalisation

State-of-the-art technology with the Airzone Cloud application, tools and on-line technical support.

the world needs

A guarantee of quality

We adapt to current standards to obtain product certifications such as eu.bac and optimise the sustainability of projects by improving BREEAM, LEED or WELL qualifications.

Improvement of air quality

We focus on well-being. Healthy environments with comfort adapted to the needs of the user.

2015

2021 · 24

Integration with BMS and home automation

Airzone combines HVAC technology with the latest IoT trends.

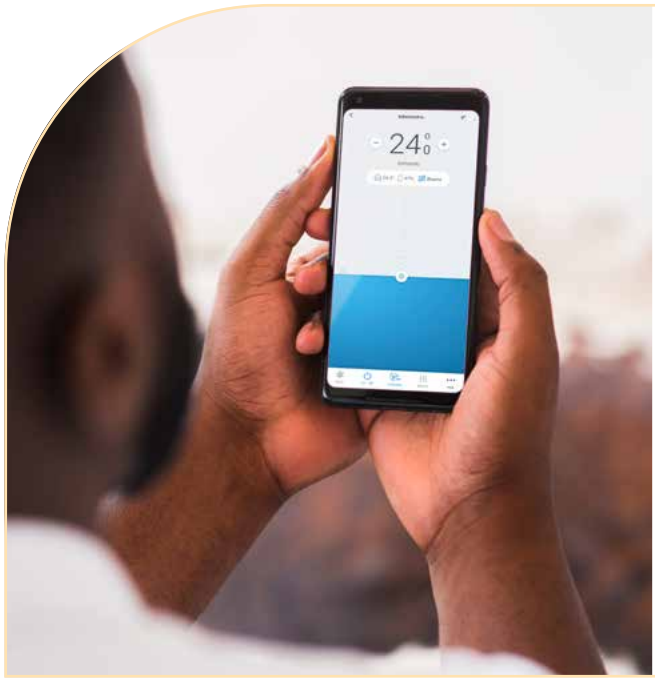
Switch over to control 360º

Air quality

The well-being of users is at the core of our vision of control. Monitoring air quality is intended to **ensure healthier air.**

HVAC Control

Enjoy easier and faster management and configuration. We're **compatible with all the leading brands in the industry.**



Connected solutions

We offer smart and versatile control, to manage heating and cooling **remotely and at any time.**

Integrated solutions

Our product line has been created with a view to diversity and our solutions can be integrated with **BMS and home automation systems.**

Air quality and HVAC

What is air quality?

Indoor air quality (IAQ) refers to the **purity levels of breathable air** in a building.

Temperature, humidity, CO_2 and **airborne particles** such as dust, mites and VOCs, as well as mixtures such as air fresheners or smoke, all **affect air quality.**

Poor air quality *can lead to allergies, fatigue, dizziness, headaches and eye, nose and throat irritation*.

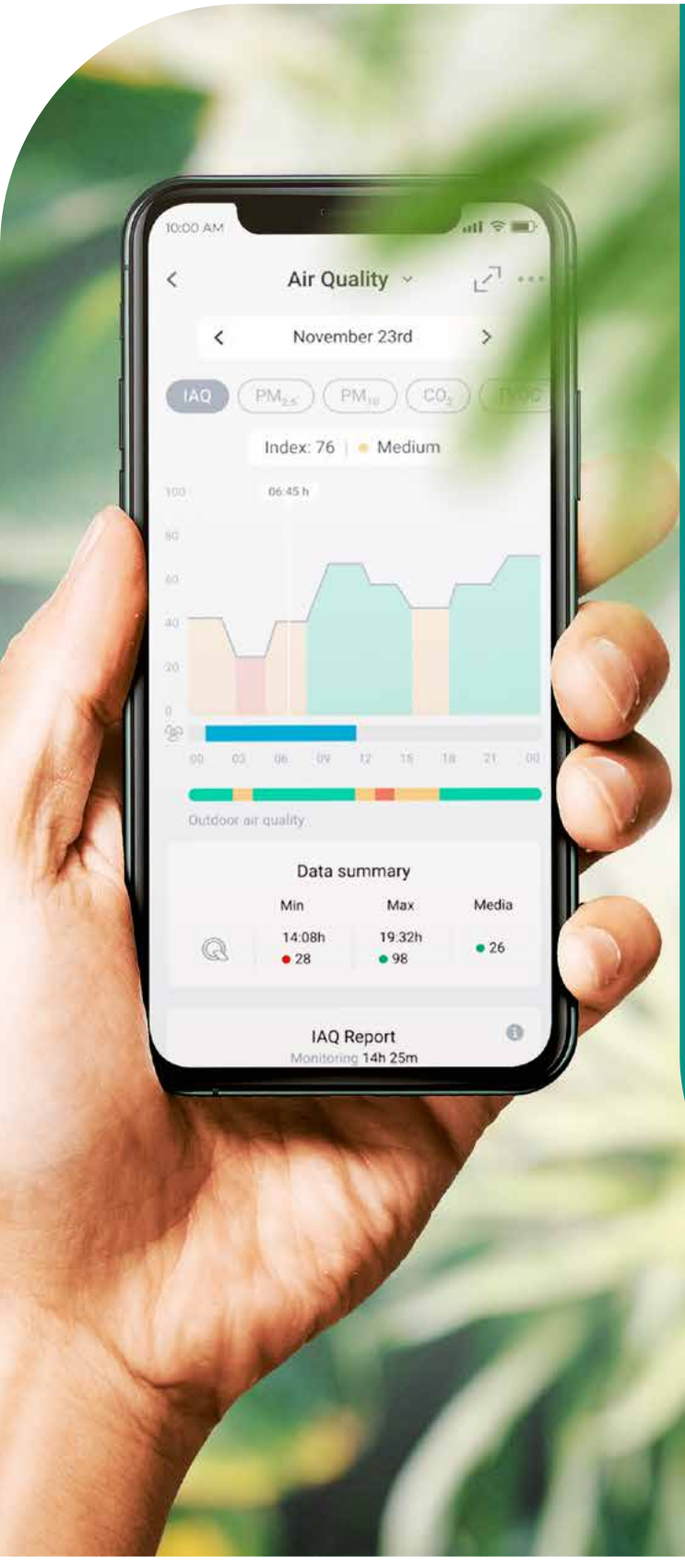
More than **90%** of our time is spent indoors

Why treat indoor air?

- We spend **more than 90% of our time indoors.**
- The level of air pollution of indoor air is **2 to 5 times higher than that of outdoor air.**
- **We breathe 21,600 times** a day.

Air quality and HVAC

The main challenge of ionization-based air purification systems is to **efficiently direct the air from the spaces to be treated towards the ionizing devices** and, subsequently, to ensure a homogeneous distribution of the already purified air in the application.

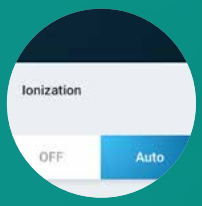


Air quality on Airzone Cloud

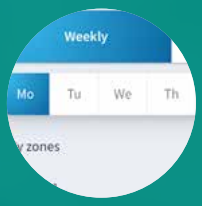
Thanks to the Airzone Cloud app, **you can control the indoor air quality** of both your residential and commercial spaces **anytime, anywhere.**

3 levels of air quality.

Visualization of the air quality graph for each of the measurements (CO_2, $PM_{2.5}$ and PM_{10}, VOC, temperature and humidity).



Operation modes**: activated, deactivated and automatic.**



Scheduling of ventilation and air purification operating times.

Airzone Technology

AirQ Box

AirQ Box is the air purification solution developed by Airzone for rigid ducted HVAC applications, using the same mechanism as nature: ionization. It is based on the generation of negative ions that attach to the harmful particles present in the air to neutralize them.

The challenge of ionization-based air purification systems is **to direct the air from the occupied rooms to the ionizers and then distribute the purified air.** AirQ Box solves this problem by using the existing flow in the HVAC ducts of residential and tertiary installations.

AirQ Sensor

CO_2 concentration is one of the air quality variables that can deteriorate the fastest. A 30 m^2 room occupied by 10 people can reach 800 ppm, the maximum recommended level of CO_2, in 15 minutes, and thus requires ventilation.

AirQ Sensor permanently monitors CO_2 levels to automatically activate the forced ventilation system of the application.

This solution also records the concentration of particles and volatiles and, together with AirQ Box, provides a comprehensive response to air quality problems in residential and commercial installations.

Easyzone IAQ

Easyzone IAQ is a solution that provides **air purification, zoned HVAC and connectivity** to installations with circular ducts in residential and tertiary settings.

Ionization-based purification **removes harmful particles from indoor spaces.** Through zoning, heating or air conditioning units work only in areas where there is demand, and connectivity allows users to control and configure units from their mobile device and voice assistants. This translates into **greater well-being, energy savings and comfort in all rooms.**

What is Quality Air Zone?

The Quality Air Zone sign is used to indicate an indoor space that features an AirQ air purification solution, developed and manufactured by Airzone.

The air in Quality Air Zone spaces is treated to eliminate the majority of the suspended particles that can cause discomfort, allergies or diseases.

You can find the adhesive **Quality Air Zone*** sign on the doors of shops, restaurants, clinics and offices. It can also be found on HVAC units of residential installations that incorporate this technology.

REDUCTION IN THE NUMBER OF SUSPENDED PARTICLES	
30-65% (1 hour)	**90-98%** (24 hours)

REDUCTION OF THE FUNGAL FLORA	
93.62% (1 hour)	**98.72%** (24 hours)

INHIBITION OF THE STAPHYLOCOCCUS AUREUS BACTERIA[1]	
43% (1 hour)	**97%** (24 hours)

REDUCTION OF THE MESOPHILIC AEROBIC FLORA	
59.26% (1 hour)	**88.15%** (24 hours)

INHIBITION OF THE SARS-COV-2 VIRUS	
93.54% (1 hour)	**98.77%** (24 hours)

Data extracted from studies conducted by the IPROMA, University of Granada and Texcell laboratories.
[1] NCTC 8532 strain.

* This sign is supplied with AirQ and Easyzone IAQ products.

Full control heating and cooling systems

Integration of the main technologies

Our solutions allow centralised control of the **main heating and cooling technologies on the market**, for both multi-zoned and single zone systems.

- Air-to-Air heat pump
- Air-to-Wate heat pump
- VRF
- Multisplit and monosplit Inverter
- Domestic hot water
- Boiler

Protocols certified by the manufacturers

We work with industry leaders to ensure **two-way communication.** By using the same communication protocols, we keep the original functions of the unit intact. **We develop communication gateways as well as control algorithms** which, together, make it possible to obtain a high level of comfort and a decrease in consumption.

Controlled mechanical ventilation

Airzone control by means of Easyzone motorised plenums makes it possible to **use the same ductwork for thermal treatment and air renewal,** while keeping them independent and autonomous.

Eco-Adapt: temperature optimisation and limitation

The Eco-Adapt algorithm dynamically adjusts **the set-point temperature** of the unit according to the return temperature. Eco-Adapt ensures optimum comfort for the user, as well as an improvement in the performance of the unit, since it operates as long as possible at partial load. By applying zone control to a space, **a 20 to 30% increase in performance of the unit is obtained, compared to its rated performance.**

Q-Adapt: control of the speed

Function that enables selecting **the fan speed of the zoned AC units according to the zones on demand.** The solution is thus adapted to the particularities of the application and the needs of each zone in terms of flow. Depending on the system, it is possible to regulate the flow rates:

- By assigning weights to each zone.
- Thanks to 5 preset modes.

Combined control of the air and radiant elements

The control of air stages and radiant elements in cooling and heating mode is combined on a single thermostat. Thanks to the efficiency algorithms, optimum levels of comfort and maximum performance of the application are obtained.

First, we apply state-of-the-art technology to control the thermal inertia of the floor and offer a more pleasant feeling of warmth.

In addition, the air stages provide an immediate sensation of warmth, which allows you to obtain the desired comfort and stabilise unforeseen variations in temperature.

This combination of systems avoids overheating the zones and reduces energy consumption.

MANUFACTURERS

AUX · AERMEC · AIRCALO · atlantic · BAXI · biniclima · BOSCH · Carrier · CHAPPEE · CIAT · CLIMAVENETA · CLIVET · DAIKIN · daitsu · De Dietrich · EAS ELECTRIC · EKOKAI · FUJITSU · Fuji Electric · Galletti · GENERAL · glatsu · GREE · Haier · HEIWA · HOKKAIDO · Hisense · HITACHI · HIYASU · HTW · johnson · kosner · LG · MULTIWARM · MUNDOCLIMA · Midea · MITSUBISHI ELECTRIC · MITSUBISHI HEAVY INDUSTRIES LTD. · NIPPONAIR · OLIMPIA SPLENDID · Panasonic · SABIANA · SAMSUNG · systemair · TOSHIBA · TRANE · VIESMANN

altherma · ecodan · Midea · Open Therm · YUTAKI

Airzone Blueface

Enjoy control using a touch screen

Wired | Configurable as primary

- On/Off
- Temperature control
- Indoor air quality[1]
- Humidity reading
- Selection of the mode[2]
- Basic configuration
- Navigation by zone
- Eco-Adapt function[2]

[1] Available only with products that include AirQ technology.
[2] Available if the thermostat is configured as Master.

Wireless

Configurable as primary

- On/Off
- Temperature control
- Indoor air quality[1]
- Humidity reading
- Selection of the mode[2]
- Basic configuration
- Navigation by zone

Airzone Think

Control with capacitive keys

[1] Available only with products that include AirQ technology.
[2] Available if the thermostat is configured as Master.

Airzone Lite

Simplify control and increase or lower the temperature by 3 degrees

Wired and wireless

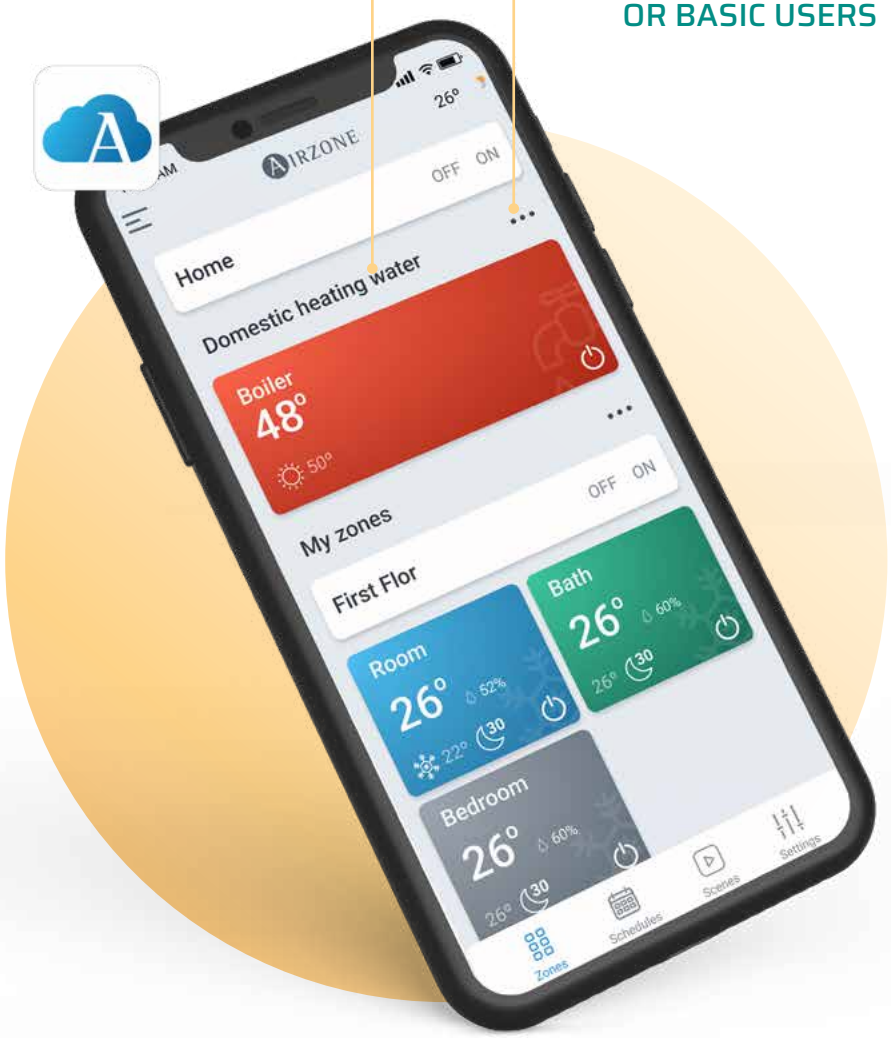
Data configurable via the Blueface thermostat and/ or the Airzone Cloud app.

- On/Off
- Temperature control
- Humidity reading
- LED lights

Play Store App Store Demo

UNIFIED CONTROL OF AIRZONE AND AIDOO SYSTEMS

MULTI-USER: ADD ADVANCED OR BASIC USERS



Airzone Cloud

Control your entire system using the new Airzone Cloud application

- On/Off
- Temperature control
- Indoor air quality*
- Humidity reading
- Selection of the mode
- Advanced configuration
- Navigation by zone
- Programming
- Eco-Adapt function

* Available only with the Easyzone system.

New features Airzone Cloud

The most complete control, wherever you are

The Airzone Cloud app has been revamped to offer you **the best control experience** through a simple and intuitive interface* and **the latest Cloud technology.**

Customizable

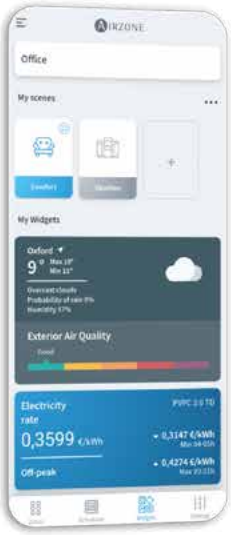
Organize the elements of the app to adjust the interface to your needs.

Graphs

View the evolution of the temperature and indoor air quality of each zone.

Consumption

View the consumption of the HVAC application.**



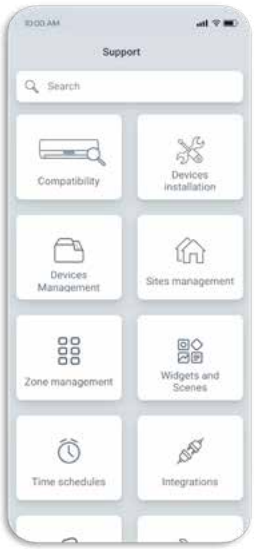
Scenes

Use HVAC scenes to adapt the operation of the HVAC application to your lifestyle and needs.

* An Airzone Cloud Webserver or Aidoo must be installed to use the app.

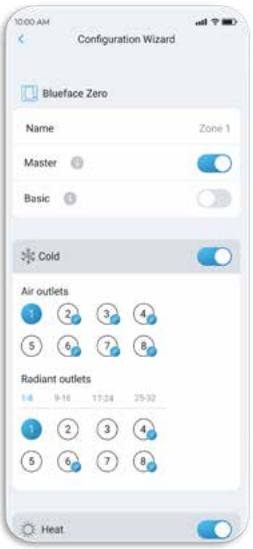
** Only available for installations with an Airzone consumption meter.

Voice control



Support

Find all the information about the installation and management of an Airzone system in the same app.



Settings

Set up an Airzone system easily thanks to the new configuration wizard.

works with the Google Assistant

amazon alexa

Works with SmartThings

Works with Apple HomeKit

Only available for 2016 range systems.

Integration of heat pumps

Take advantage of the benefits we offer in terms of **integrating building management systems (BMS*) and home automation.** Let Airzone take care of the control of the heating and cooling systems

Quick and easy integration

Easily integrate any HVAC technology in a very short time.

Integration gateways

We have specific gateways for KNX, BACnet and Lutron systems.

Simple configuration and programming

Your systems are integrated thanks to our drivers developed with the protocols of main home automation brands.

Cloud API and REST API

Make the most of integration with any platform.

INTEGRATED HVAC CONTROL FROM ALL INTERFACES

- Control of independent zones:
  - Set-point temperatures.
  - Zone status.
  - Reading of room temperature and humidity on the zone.
  - Management of the air stage and stage by radiant elements.
- Operating mode of the system.
- Adjustment of the fan speed of the indoor unit.
- Control of domestic hot water (DHW).
- Easy detection of HVAC unit and home automation errors with our stand-alone system.

* BMS: building management systems.

BMS AND HOME AUTOMATION

ALARM.COM · alfredsmart · bticino · CHERUBINI · Control4 · CRESTRON · DELTA DORE · eedomus · ELAN · ezlo innovation · FERMAX · fhe · FIBARO · Homey · EEDOM · legrand · LOXONE · LUTRON · Nice · RTI · SAVANT · Schneider Electric · URC · vera · WAGO · zipato

STANDARD PROTOCOLS

BACnet · Modbus · KNX · zigbee · Z-WAVE

IOT

amazon alexa · Works with Apple HomeKit · works with the Google Assistant · Works with SmartThings · Home Assistant · SMART & CONNECTIVE · energeasyconnect · ecobee · Honeywell · nest · Pelican · telkonet · VENSTAR

Towards sustainable construction

Certifications at the service of your projects

Airzone provides a concrete response to environmental issues by focusing on optimising thermal comfort for the user and improving the building's energy performance.

Passivhaus

Construction standard that **combines high interior comfort with very low energy consumption** at an affordable price, thanks to the utmost care for the building envelope and the efficiency of the air conditioning systems.

Airzone systems provide enhancements that help meet the necessary requirements of the Passivhaus Buildings standard.

- Reduction of energy consumption
- Reduction of installed power
- Regulation by zones
- Limitation of hours of overheating

MORE INFORMATION:
airzonecontrol.com/projects

eu.bac

The eu.bac European certification guarantees the energy efficiency of building control systems, in compliance with the EN15232 standard.

Both for the air vector and for underfloor heating, the value of the regulation of our systems is eu.bac certified with a CA (Control Accuracy) ranging from 0.2 K to 0.5 K. This allows our systems to reduce the application's energy consumption and greenhouse gas emissions, thereby improving the building's energy label.

LEED

System for environmental performance in the construction or renovation of buildings. It seeks to achieve a **reasonable and effective use of energy in terms of materials and water.**

The system evaluates buildings according to 8 criteria and Airzone can earn extra points in:

- Energy and Atmosphere
- Indoor Environmental Quality

WELL

Certification guaranteeing that **the space has obtained a certification favourable to the health and comfort of its occupants.** It encompasses 7 fields of application. Airzone has an impact on the following:

- Air
- Thermal Comfort

BREEAM

System intended to evaluate and certify **the environmental performance of a building**. This method promotes the most sustainable constructions. The system evaluates 10 categories. Airzone optimises the operation of heating and cooling systems and helps improve ratings in the following categories:

- Management
- Health and comfort
- Energy

DGNB

Airzone's air quality and control systems can contribute to improving the percentages obtained in the categories related to:

- User Control
- Thermal comfort
- Energy Efficiency
- Indoor Air Quality
- Use and Integration of Building Technology

The information provided in the BREEAM section refers to the categories contained in the international manual for all of Europe with the exception of Germany, Austria, Spain, Norway, the Netherlands, Sweden and Switzerland. The individual outline of the BREEAM manual for each of these countries can be found at the following link: **bregroup.com/products/breeam/breeam-engage/breeam-partnerships/**

Grants and aids

We help you **take care of our planet**

The major world powers have established **sustainability goals in their strategic plans.** One specific example is the initiative of the European Union, which aims to improve energy efficiency by at least 32.5%. We help you to obtain grants, because **our solutions improve the energy performance, thermal comfort and environmental performance** of buildings.

In Europe, many grants have been put in place to encourage renovation work and the construction of sustainable buildings, both for professionals and for individuals. Through NextGenerationEU and Renovation Wave programs.

How do I obtain grants and aids?

CONTACT OUR TEAM:
projects@airzonecontrol.com

Validated levels of comfort and efficiency

We are aware of the importance of the energy efficiency of our solutions and optimisation of thermal comfort. To this end, we carry out **comprehensive tests in our specialised laboratories.**

We also rely on **independent studies, which guarantee the impartiality of the results** obtained by our solutions.

COMPREHENSIVE STUDIES:
airzonecontrol.com/support

Up to

37%

reduction in installed power

Reduction of installed power in air-to-water heat pump systems

Explanation of how Airzone allows the use of a less powerful heating and cooling unit, while combating the simultaneous thermal load.

- In cooling, the reduction of the simultaneous load varies from **19 to 47.6%.**
- In colder cities it is reduced to less than **7.7%,** and in more temperate climates it is around **13%.**

33%

Reduction

in greenhouse gas emissions

Airzone solutions in residential and commercial projects

A ducted indoor unit, controlled by the eu.bac certified Airzone system and under Technical Assessment improves various aspects in heating and cooling projects:

Residential buildings:
- Improvement of the **energy label** of the building.
- Decrease in **overall primary energy coefficient by 50%.**

Commercial buildings:
- **75% fewer indoor units**.
- **44% reduction** in the amount of refrigerant gas present in compliance with standard **EN 378.**

Up to

37%

savings in heating mode

Comparison between the Airzone model and a system without zone control

Description of the advantages of a zoned system in terms of thermal comfort, electrical consumption and installed power.

- A zoned system leads to a **reduction in thermal load**, which makes it possible to opt for a unit with a lower thermal power.
- The percentage of **hours of thermal comfort in the zones is much higher** in a zoned system.
- The Eco-Adapt algorithm provides energy savings of up to **37% in heating mode and 59% in cooling mode.**

Continuing professional development with Airzone Academy

Train with industry leaders on our on-line platform for professionals and keep up to date with the latest advancements.

Choose the topic

Consult the list of courses and register for free for the one that interests you the most. You can take as many courses as you want.

Flexible schedules

We have planned different training modalities to adapt to your schedules: webinars, on-line or face-to-face courses.

For all profiles

All courses are carried out in a structured way with specific programmes, in order to adapt to all the technical profiles of the participants.

Become an expert

Get your Airzone Pro badge

Complete **a free training programme made** up of several courses and become an Airzone expert.

The first step towards a closer collaboration with Airzone!

With the **Airzone Pro Installer** programme, you will discover how our control systems work.

With the **Airzone Pro Specifier** programme, you will discover the different solutions, by type of technology and application.

Still don't have an Airzone Academy account?

Go to **airzonecontrol.com**, click LOG IN, then click **Sign up!**

Activate the account from your email.

Visit the **Academy** and start training.

We are part of your projects

Drawing on more than 25 years of specialisation in the sector and collaboration with heating and cooling professionals, we are at your disposal with **a team of engineers who will help you develop your projects.**

Comprehensive advice

We provide you with all the resources you will need throughout your project.

CONTACT OUR TEAM:
projects@airzonecontrol.com

DOWNLOADS:
airzonecontrol.com/projects/resources

Visit airzonecontrol.com and discover **our services and tools** for professionals.

Airzone software

DUCTZONE

Download our **free software for the design and calculation of heating and cooling installations**, compatible with all types of constructions.

Certificates

Our solutions are approved by the current **main certifications** in terms of heating and cooling and energy efficiency.

Studies

To demonstrate the effectiveness of our solutions, we have conducted various case studies **in collaboration with several universities**, which serve as a reference for each type of project.

Tools and resources

CAD

CAD blocks of Airzone products and connection diagrams, depending on the solution.

RE2020 DATA RECORDS

These records represent the **regulations concerning** our heating and cooling solutions.

BIM

Catalogue of product families in Revit format, with BIM&CO and BIMobject.

Technical Support

Our **team of Airzone product experts** are dedicated solely to providing you with comprehensive technical help and support, in the fastest way possible.

Need technical support?

+44 330 822 0991 / +34 900 400 445

techsupport@airzonecontrol.com
airzonecontrol.com/support

Monday to Thursday:
From 8:00 to 14:00 and 15:00 to 17:30 (CET)
Friday: From 8:00 to 17:00 (CET)

We support you every step of the way

We adapt to your needs by offering you **customised solutions:**

- Commissioning assistance.
- Customised assistance for your project.
- Management of warranties and returns.

Assistance with remote access

By adding an Airzone Cloud Webserver, our experts can **monitor your systems' settings in real time** and modify them, if necessary.

Logistics Services

Airzone's logistics area is dedicated to offering an optimal transport service, seeking a balance between time, service and quality, for national and international shipments.

Incoterms

EXW – Exworks

The customer must arrange transport to pick up the goods at our premises. We can store the order for 20 calendar days at our factory.

DAP – Delivery at place

Airzone is responsible for shipping and tracking the goods until they reach their destination. The customer must arrange the import clearance in the destination country and is also responsible for paying duties and taxes.

DDP – Delivery duty paid

Airzone manages and is responsible for the transit of the goods to their destination, as well as the clearance procedures and derived expenses.

Types of services

Land transport by road. Economy service

Groupage service by road. The material may arrive on different days and/or times if the shipment contains more than three pallets.

Air transport. Express service

Used **for the urgent shipment of non-palletized orders.**

Economy and express air cargo transport

This is used for the **urgent shipment of palletized orders.** Shipment is made with the Economy service or, for an additional amount, with the Express service.

Direct truck transport by road

For orders of more than 9 pallets, the shipment is made by direct truck, in a single delivery, with a security seal and prior appointment for unloading.

Truck transport on a per meter basis

Orders of more than 6 and less than 9 pallets are shipped by truck on a per meter basis and in a single delivery, with notice of the approximate day of arrival, without an appointment for delivery.

International transits by sea transport

Service for the international transit **of orders with a high number of pallets.** Boarding will be arranged with the shipping company, taking into account that the transit time is longer.

Commercial documents

Goods must always be accompanied by the relevant commercial documents for their correct transit and customs management. These documents include the delivery note or invoice depending on the destination country and the packing list with indications of the packaging of the goods with their corresponding HS Code.

Order traceability

EXW orders will receive an email with instructions for picking up the goods.

When shipping is arranged by Airzone, customers will receive a tracking link from the transport company.

Damage and returns

Airzone offers its assistance to claim for possible damage during transport. For this purpose, it is necessary to check the goods upon delivery. If it is not possible to check the goods at the time of delivery, a note should be left with the carrier indicating “Goods to be checked”.

In case of damage to the packaging or material, the carrier and Airzone must be notified immediately. Claims must be made to the transport agency within 10 working days.

Sustainability

Airzone **is striving to eliminate plastic in the packaging of our goods** and implement the use of cardboard pallets. The purpose of these measures is to reduce the environmental impact of our deliveries.

Find Us Online

In our updated website, you will find a **platform for professionals,** helping them with all their major needs throughout the project life cycle.

MORE INFORMATION:
airzonecontrol.com

CONTROL SOLUTIONS

All useful information about our products.

PROJECTS

Wiring diagrams, Ductzone software, certificates and design advice.

SUPPORT

Comprehensive support with technical information on products, brochure, catalogue and data sheet downloads, and FAQs section.

ACADEMY

Platform offering all the necessary training for professionals.

BUYING AIRZONE

Creation of quotes and orders.

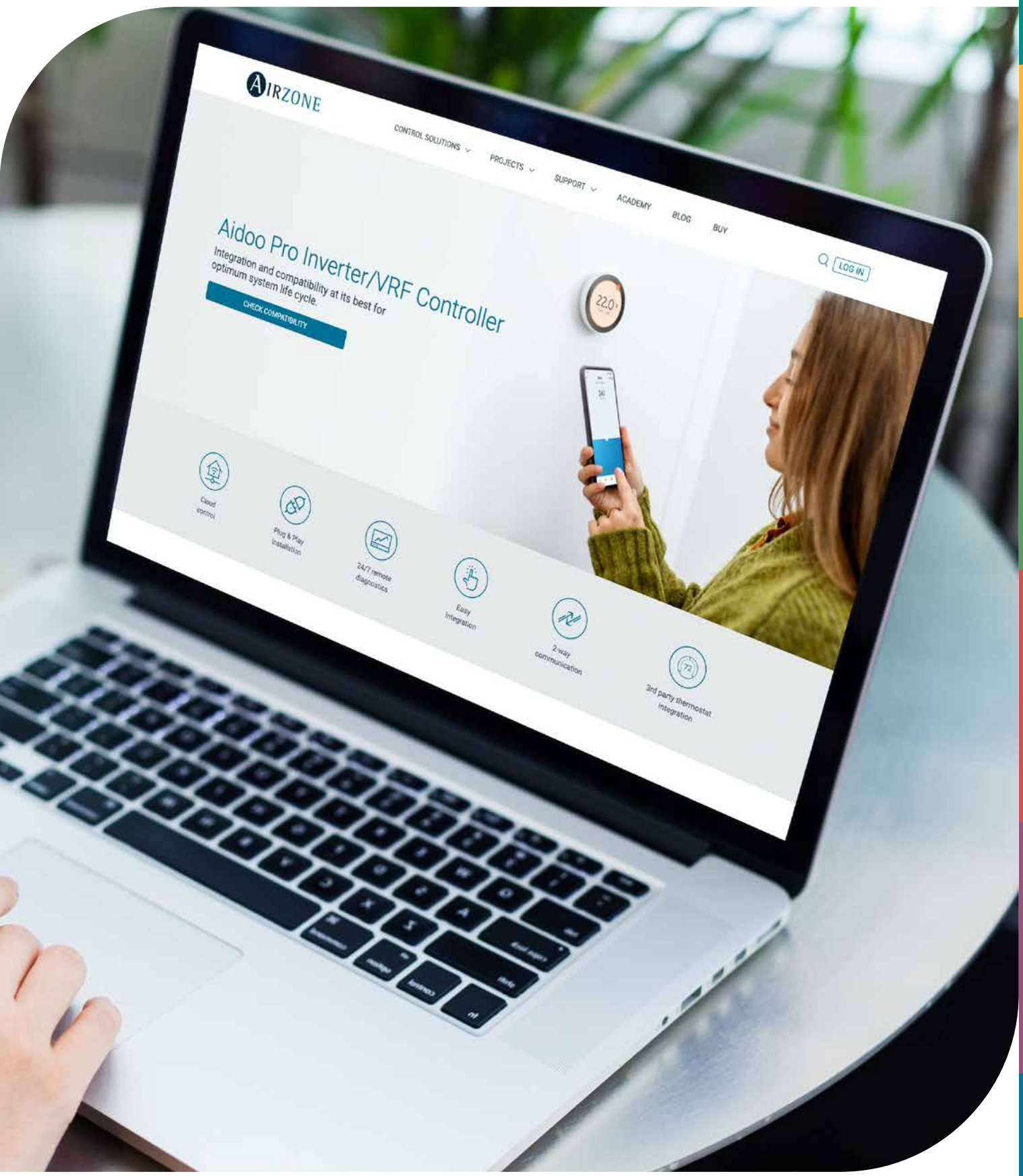
Your Profile

By registering in the Web platform, from your personal profile you can also manage:

- Delivery addresses.
- Quotations and related orders.
- Returns and warranties.
- Requests for assistance via Tickets.
- Authorization for different functions of your Team.

Follow the status of your order with one click!

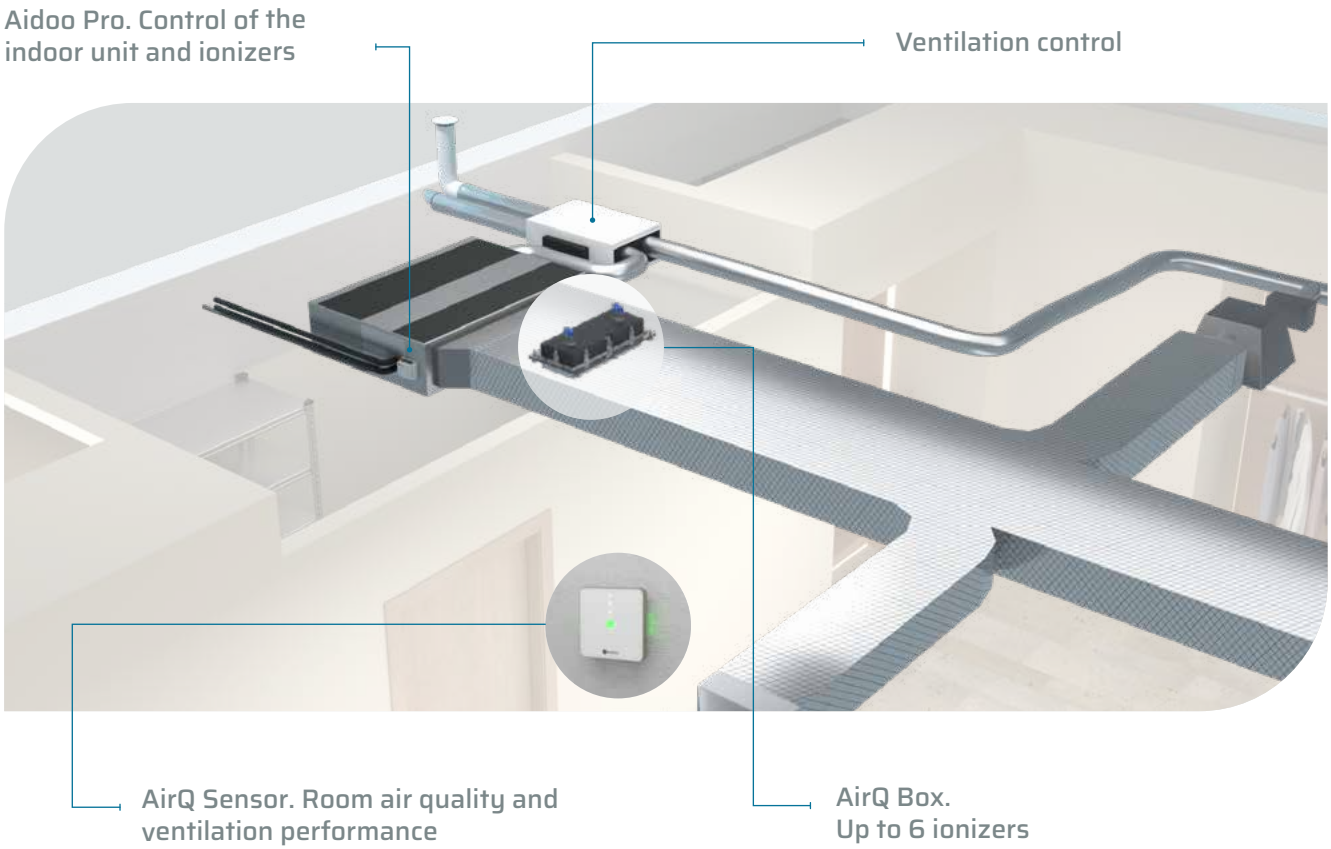
Just provide your internal order reference or the number provided by Airzone in the **Tracking** section.


AIRZONE
CONTROL SOLUTIONS
PROJECTS
SUPPORT
ACADEMY
BLOG
BUY
LOG IN
Aidoo Pro Inverter/VRF Controller
Integration and compatibility at its best for optimum system life cycle.
CHECK COMPATIBILITY
Cloud control
Plug & Play installation
24/7 remote diagnostics
Easy integration
2-way communication
3rd party thermostat integration

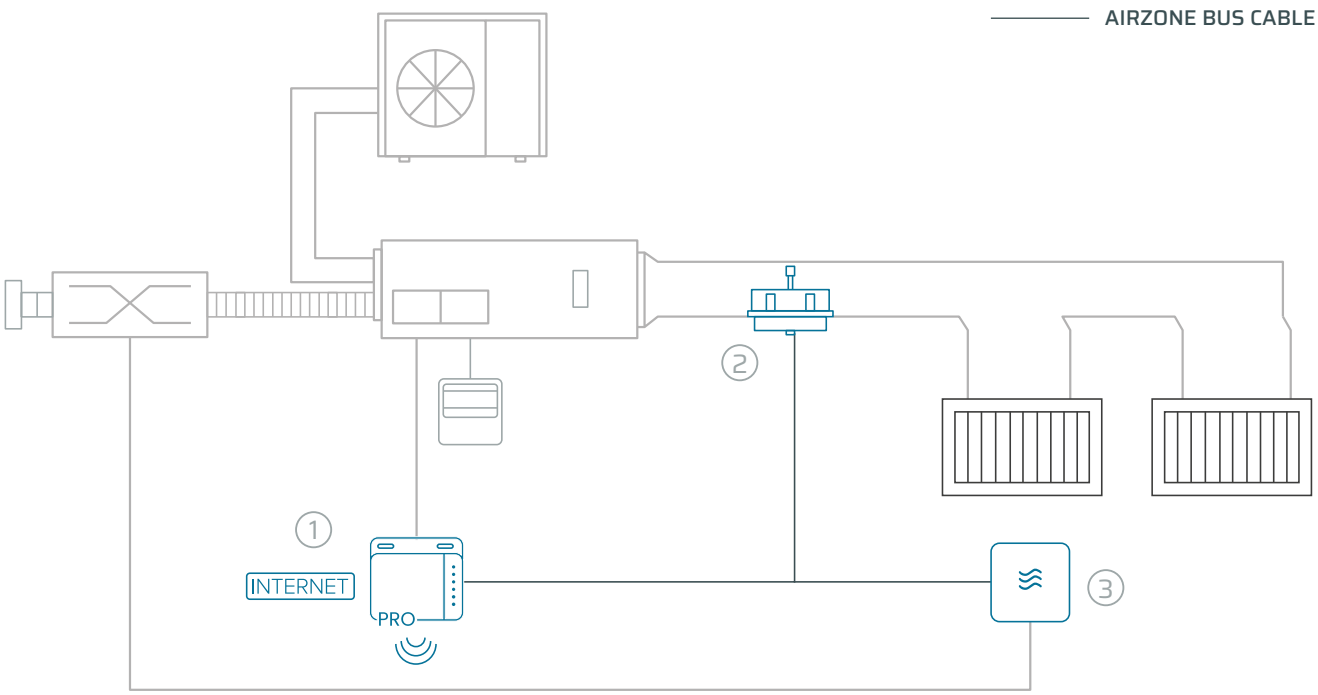
Indoor air quality

Indoor air quality solutions.

AirQ solutions improve indoor air quality through ionization-based air purification and mechanical ventilation control regulated by air quality sensors. With AirQ, it is possible to **combine HVAC with purification through ionizers** distributed in the ductwork, and with automatically controlled ventilation.



- Measurement **of CO_2 levels, $PM_{2.5}$ and PM_{10} particles, volatile organic compounds,** temperature and humidity.
- **Air quality status** indicator.
- **Reduction in pollutants** through ionization (particles) and ventilation unit control (CO_2, VOC).
- **Operation modes:** automatic, activated and deactivated.
- **Graph-based reports** on the improvement and evolution of air quality levels in the Airzone Cloud app.



	Reference	Description	Units
1	AZAI6WSP [XXX]	Aidoo Pro [Brand] by Airzone	1
2	AZX6AIQBOXM	AirQ Box in-duct IAQ monitoring and control device	1
3	AZX6AIQSNSB	AirQ indoor air quality (IAQ) sensor	1

IAQ measurement and control

Time schedules

Remote management

Weather forecast

Residential and tertiary

Health, well-being and comfort

With the AirQ Sensor, **we control ventilation, and thanks to the AirQ Box, we ensure indoor air quality,** reducing allergens, pollutants and odors, while maintaining low CO_2 levels. This combination not only improves health, but also enhances cognitive abilities, prevents diseases and promotes better quality sleep.

A single app

Our unique solution **combines HVAC and air quality in a single app**, making it possible to control purification and ventilation in any of the three operation modes, program time schedules or combine actions in scenes. It also offers graphs showing air quality evolution.

Efficiency and saving

The smart management of mechanical ventilation performed by AirQ Sensor on demand **reduces the ventilation load by up to 21%**, extending the service life of filters and fans.*

AirQ Box reduces the number of suspended particles, so the AirQ Sensor will reduce your need to take action on the recovery.

*Lu, X., Yang, T., O'Neill, Z., and Zhou, X. Energy and ventilation performance analysis for CO2-base demand-controlled ventilation in multiple zone VAV systems with multiple recirculation paths. 2020 Building Performance Analysis Conference and SimBuild co-organized by ASHRAE and IBPSA-USA

Aidoo devices

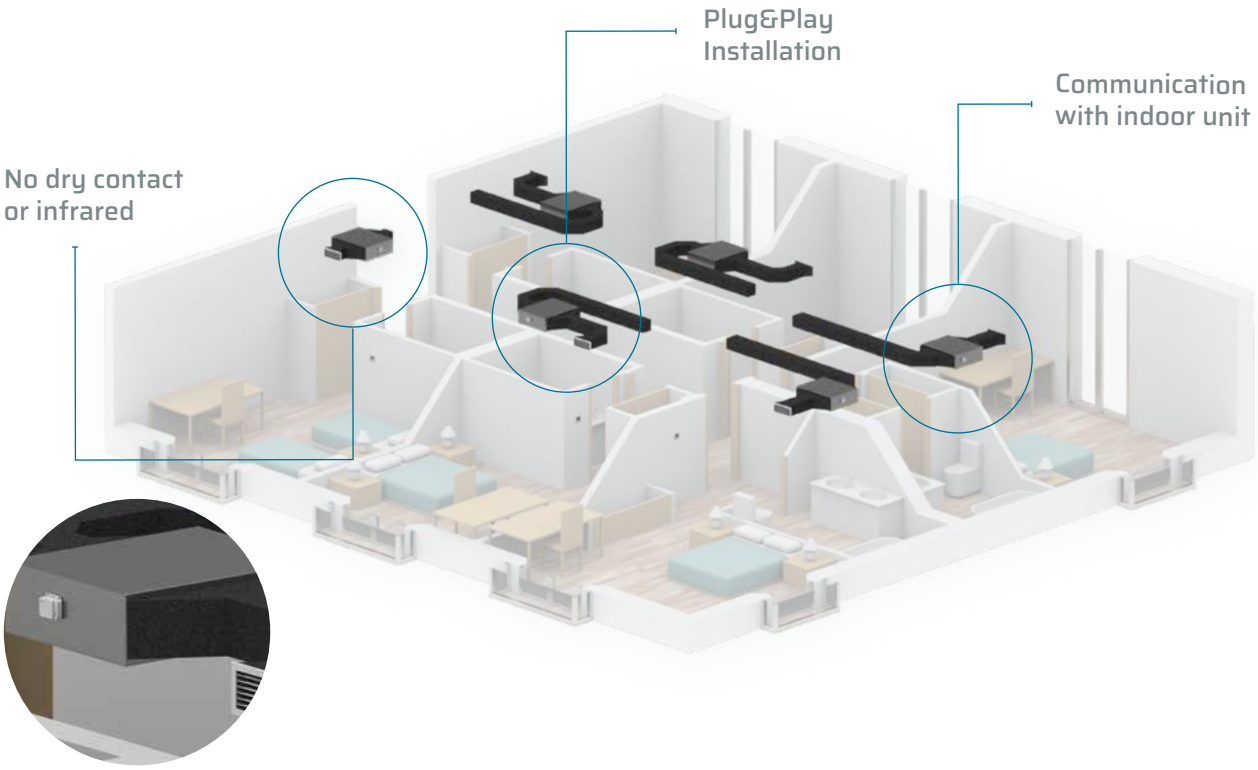
The connectivity and integration you are looking for

Welcome smart local and remote control of individual direct expansion units, fan coils and production units. Management through the **manufacturer's thermostat and from any Android or iOS device that has the app.**

Individual units

Air heating and cooling

Pack format



- **Easy to install,** it connects to the indoor unit in just minutes.
- **Control of the unit** with confirmation of actions and statuses.
- Maintains the **original manufacturer features intact by** communicating with the indoor unit.
- **Control of older units,** thereby providing a technology update.

DOWNLOAD THE APP

Discover **the free app Airzone Cloud.**

Airzone Cloud

Keep your unit up to date with the latest IoT trends and extend the life cycle of your system

	Aidoo PRO Inverter/VRF Air to water	Aidoo PRO Fancoil	Aidoo KNX Inverter/VRF	Aidoo Z-Wave Inverter/VRF	Aidoo Zigbee Inverter/VRF	Aidoo Wi-Fi Inverter/VRF
Indoor unit control	Communication gateway	3 speeds/ 0-10 V	Communication gateway	Communication gateway	Communication gateway	Communication gateway
Connectivity	Wi-Fi Dual 2.4/5 GHz	Wi-Fi Dual 2.4/5 GHz	KNX	Z-Wave	Zigbee	Wi-Fi 2.4 GHz
App	Yes	Yes	-	-	-	Yes
Settings	Airzone Cloud App	Airzone Cloud App	ETS	Z-Wave	Zigbee	Airzone Cloud App
Voice control	Yes	Yes	-	-	-	Yes
Airzone thermostat + New!	Yes	Yes	-	-	-	-
Power supply	External power supply at 12 Vdc[1]	220 Vac	Indoor unit and KNX network	Indoor unit	Indoor unit	Indoor unit
Digital input	On/Off	On/Off	3 configurable inputs	-	-	-
Auxiliary heat output	Yes	Yes	-	-	-	-
GYW input for smart thermostats	Yes*	-	-	-	-	-
RS485 integration port	Modbus and BACnet* MS/TP	Modbus and BACnet MS/TP	-	Modbus	Modbus	Modbus
REST API and driver integration	Yes	Yes	-	-	-	-
Cloud API	Yes	Yes	-	-	-	Yes

App

Full control from **the free Airzone Cloud app**.

- **Select scenes.**
- Set **time schedules** for scenes, temperature and operation mode.
- Integration with Amazon **Alexa and Google** Assistant.
- **Set-point temperature limitation** in cooling and heating modes.

Airtools

Access the Airtools[2] feature for 24/7 **smart remote unit diagnostics** and real-time HVAC unit parameters and error codes.

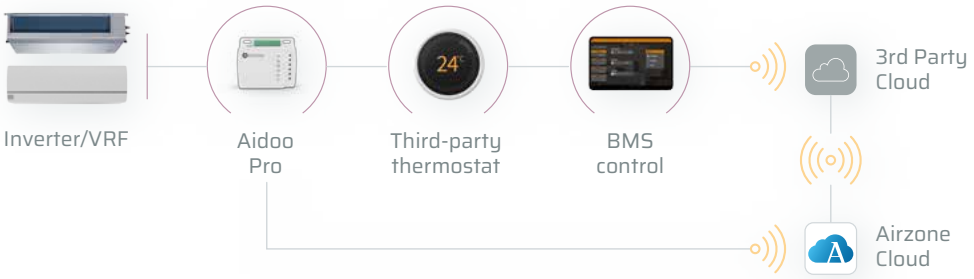
[1] Power supply included. [2] Only available for Aidoo Pro and Aidoo Wi-Fi.
*Only available for Inverter/VRF units.

Aidoo Pro Inverter/VRF

Compatible with ducted units, splits and cassettes. Aidoo Pro is **a powerful solution thanks to its use of the manufacturers' original protocols** and its high integration capacity.

- Communication via Wi-Fi Dual (2.4/5 GHz).
- Dry contact with a smart thermostat.
- Open window detection, occupancy detection and Eco mode.
- Detection of communication errors.
- Now **compatible with Blueface touchscreen thermostat.**

New!



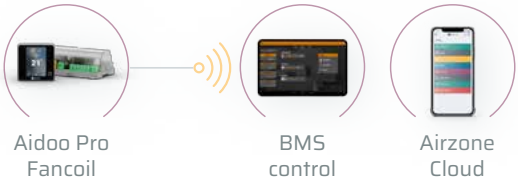
New!

Aidoo Pro Air To Water

Aidoo Pro Air To Water **is a device for the remote control of air to water units through the Airzone Cloud app.** Thanks to its wide range of integration options, it allows the management of these units from home automation and building management systems (BMS).

- Communication via Wi-Fi Dual (2.4/5 GHz).
- Two-way communication with the AC unit.
- Control of the different AC unit parameters.
- Detection of errors during communication.
- Multi-user and multi-session.
- Time scheduling of temperature and operation mode.

Aidoo Pro Fancoil



Allows **fan and valve control** for both 0-10 V units and units with up to 3 speeds.

- Communication via Wi-Fi Dual (2.4/5 GHz).
- On-demand control of all/nothing or 0-10 V solenoid valves.
- Three-speed or 0-10 V fan control.
- Open window detection, occupancy detection and Eco mode.
- Measurement of room temperature and cooling and heating battery temperature.
- Automatic mode change by supply temperature detection.

Aidoo Wi-Fi Inverter/VRF

Compatible with ducted units, splits and cassettes. Aidoo Wi-Fi is easy to install and configure. It enables **single-zone control of Inverter/VRF units, thanks to comprehensive two-way communication** with the indoor unit.

- Pro Cloud API.
- Bluetooth configuration.
- Communication via Wi-Fi 2.4 GHz.
- Port for integration via the Modbus protocol.

Aidoo Z-Wave Inverter/VRF

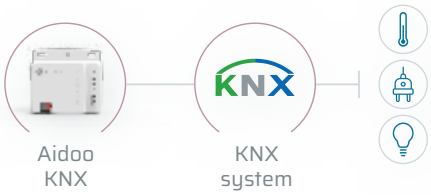
Gateway for two-way control and integration of **Inverter/VRF units in Z-Wave systems.**

- External power supply via the indoor unit/ with an external power source.
- Port for integration via the Modbus protocol.

- Z-Wave network communication.
- Detection of errors during communication.
- Control of unit parameters.

Aidoo KNX Inverter/VRF

KNX certified product



Gateway for two-way **control and integration of Inverter/VRF units in KNX TP-1 control systems.** Easy configuration from ETS, Aidoo KNX enables control of Inverter/VRF units.

- Control of any unit connected in a KNX system.
- Control of unit parameters.
- KNX control and standard KNX data.
- 3 configurable digital inputs.
- Detection of communication errors.

New!

Aidoo Zigbee Inverter/VRF

Gateway for **home automation integration of Inverter/VRF units in Zigbee systems.**

Aidoo Zigbee is certified by the Connectivity Standards Alliance allowing interoperability on any Zigbee network according to Alliance standards. As a permanently powered node, it acts as a repeater and improves network reliability.

- Two-way communication with the AC unit.
- Detection of errors during communication.
- External power supply via the indoor unit/ with an external power source.
- Control of unit parameters.
- Port for integration via the Modbus protocol.

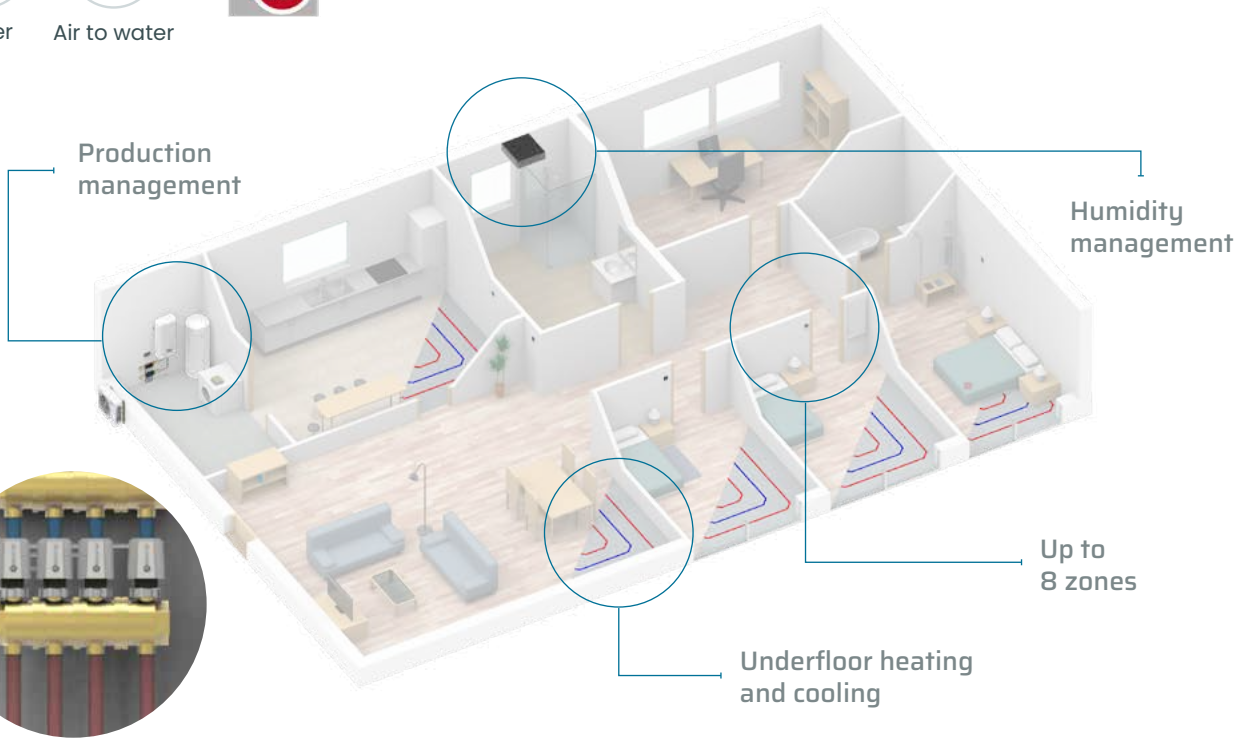
Zoned control system

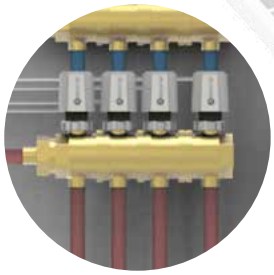
Zoned control **for underfloor heating and cooling installations.**

The most efficient and cost-effective way to control underfloor heating and cooling is with Airzone thermostatic heads. Thanks to the Flexa 4.0 system, **the floor's thermal inertia is used to achieve greater savings.**

Boiler

Air to water

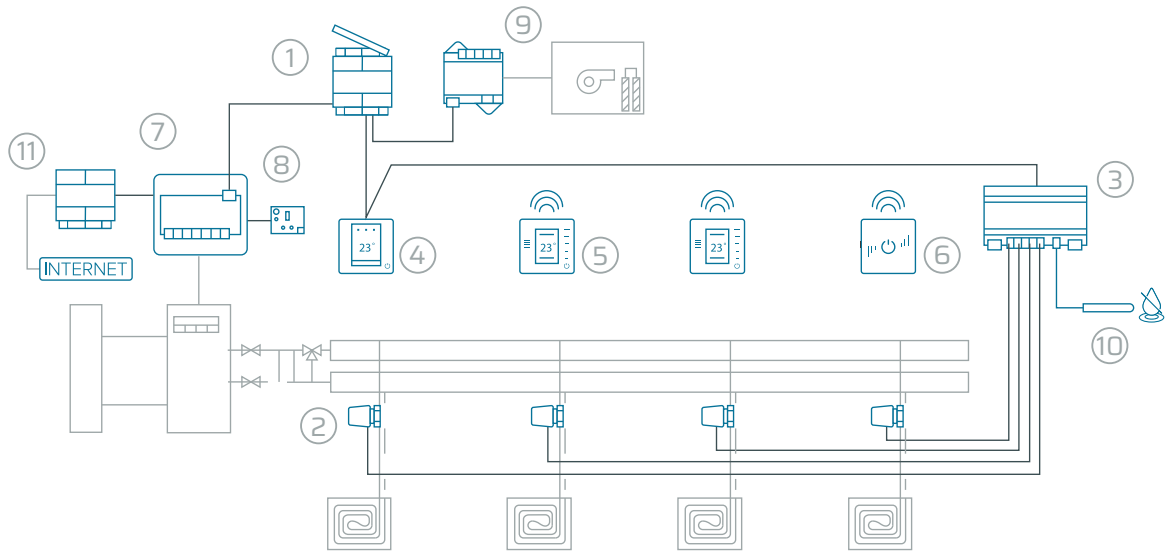




- Control of the **comfort temperature** in each zone.
- **Anti-condensation** control with measurement of humidity in the zone, supply temperature and control of the dehumidifier.
- Limitation of minimum and maximum temperatures for efficient control through the **Eco-Adapt function.**
- **Optimization of comfort** with smart control of the floor's thermal inertia.
- **Production management by means of communication gateways** and action on recirculation pumps.
- **Airzone thermostatic** heads supplied at 230 Vac for managing the valves in each zone*.

* Third-party heads with an external power supply at 110/230 Vac (50/60 Hz) can be used.

AIRZONE BUS CABLE



	Reference	Description	Units
1	AZCE8CB1DIN	Airzone main control board for Flexa 4.0 using DIN rail	1
2	AZX6AC1VALC	Airzone wired 110/230V VALC thermostatic head for radiant elements M30x1.5 mm	4
3	AZCE8CM1VALC	Airzone Flexa 4.0 control module of 110/230V VALC wired valves (Flexa 4.0)	1
4	AZCE6BLUEZEROC [B/N]	Airzone Flexa Blueface Zero wired thermostat [black/white]	1
5	AZCE6THINKR [B/N]	Airzone Flexa Think monochrome wireless thermostat [black/white]	2
6	AZCE6LITE [C/R][B/N]	Airzone Flexa Lite [wired/wireless] simplified thermostat [black/white]	1
7	AZX6CCPGAWI	Airzone hydronic production control board	1
8	AZX6GAW [XXX]	Airzone air to water gateway - [brand]	1
9	AZCE8CM1DRY*	Airzone Flexa 4.0 dehumidifier control module	1
10	AZX6SONDPROTECT	Airzone temperature metallic probe in sheath	1
11	AZX6WSPHUB	Webserver HUB Airzone Cloud Dual 2.4-5 GHz/Ethernet	1

Independent temperatures

Time schedules

Relative humidity

Remote management*

Weather forecast*

Residential and tertiary

Reversible floor control

Flexa 4.0 can be used with underfloor heating and cooling systems for **use 365 days a year.**

Safety functions

Thanks to its **anti-condensation, anti-freezing and anti-scale functions,** the system is protected from condensation or freezing of pipes.

An integrated solution

Compatibility with **the main BMS/home automation and IoT technologies.**

- Airzone Cloud app.
- Amazon Alexa, Google Assistant and SmartThings voice assistants.
- Modbus protocol.
- Lutron and KNX integration gateways.
- Drivers and plugins: Control4, Crestron, Eedomus, Fibaro, Jeedom and RTI.
- Cloud API and REST API.

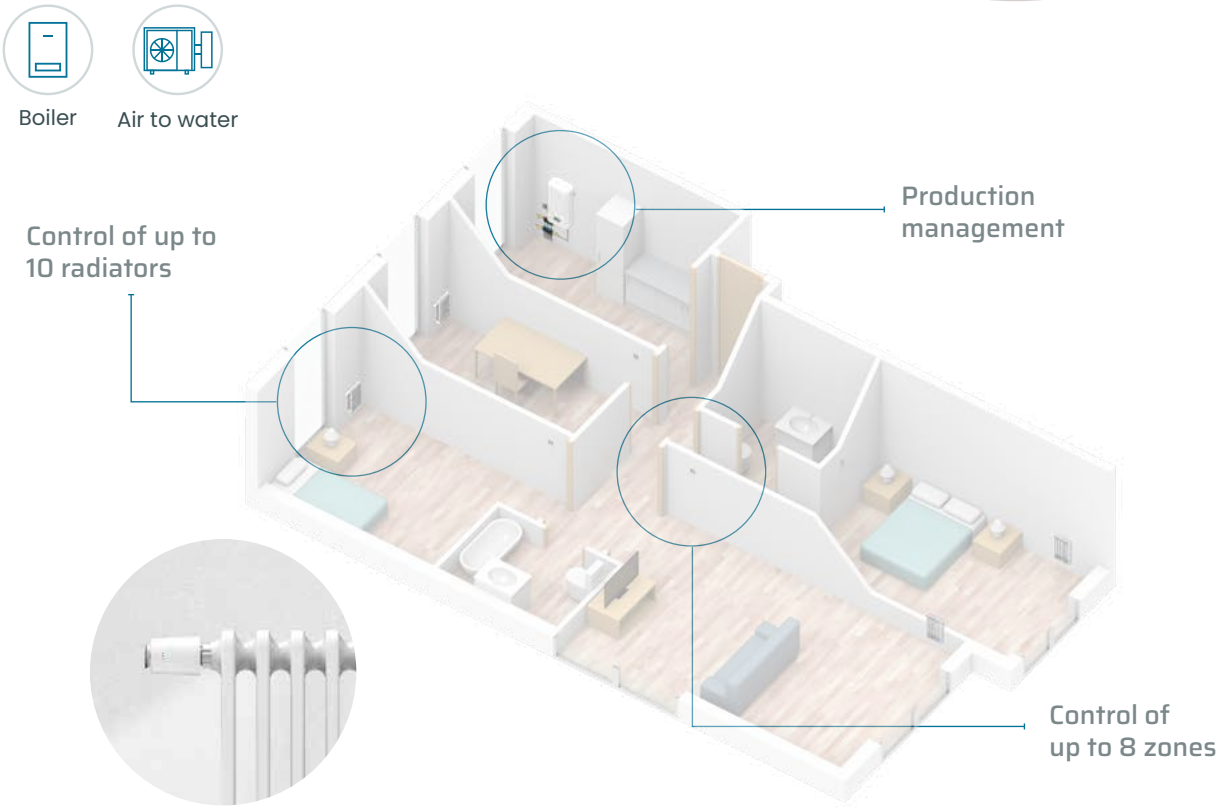
* Consult availability.

* Applicable if the system has an Airzone Cloud Webserver.

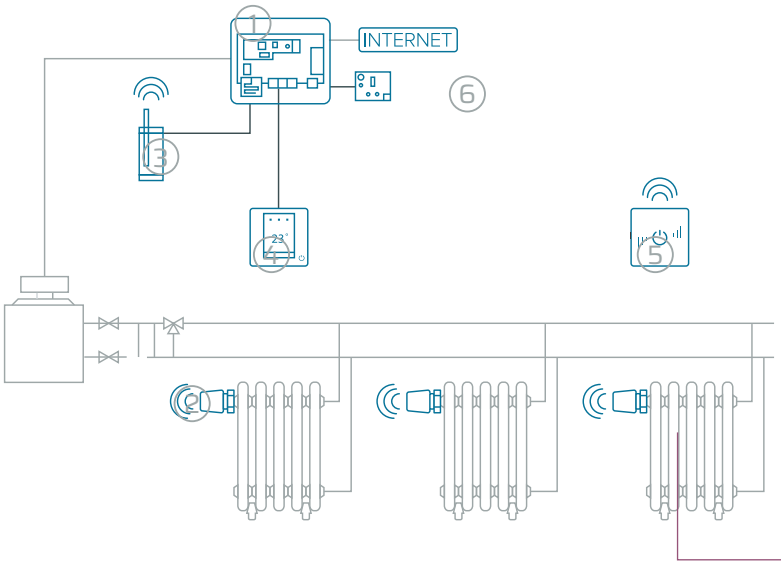
Zoned control system

Zoned control **for radiators**.

Airzone wireless thermostatic heads enable zoned radiator control. An easy-to-install **Plug&Play solution**. Flexa 4.0 is also suitable for central heating in buildings.



- Airzone **wireless thermostatic** heads with comfort temperature regulation and indicator in each zone.
- Limitation of minimum and maximum temperatures for efficient control through the **Eco-Adapt function**.
- **Optimization of comfort** with proportional control of the opening of the radiator valve depending on room temperature.
- Adapters for connecting the head with **valves of different diameters**.
- Improved control of the system and reduced energy consumption thanks to **production management via communication gateways** and action on recirculation pumps.



AIRZONE BUS CABLE

We adapt to your radiator model!

*You can **adapt the system to different radiators** thanks to the adapters included for the different valves available on the market.*

	Reference	Description	Qty
1	AZRA6CB1RADW	Airzone radiant VALR cloud dual 2.4-5G system for radiators main board	1
2	AZX6AC1VALR	Airzone wireless thermostatic valve actuator VALR for radiators	3
3	AZX6CM1VALR	Airzone control module for wireless valves VALR - 8 zones	1
4	AZRA6BLUEFACEC [B/N]	Airzone RadianT365 Blueface wired thermostat [white/black]	1
5	AZRA6LITE [C/R] [B/N]	Airzone RadianT365 Lite Thermostat [wired/wireless][white/black]	1
6	AZX6GAW [XXX]	Airzone - [brand] air to water hp gateway	1

Independent temperatures

Time schedules

Remote management*

Weather forecasts*

Residential and commercial

Secure installation

The child safety function prevents involuntary activation of the device and **the anti-freeze functions** protect the system against frost in the pipes

Improved aesthetics

Airzone thermostat heads have **a modern and simple design** that fits in with any interior. Their **LED screen** shows the set temperature, battery status and wireless network coverage. It is possible to add one user interface per zone.

An integrated solution

Compatible with **the main BMS, home automation and IoT technologies.**

- Airzone Cloud Application.
- Voice assistants Amazon Alexa or Google Assistant.
- Drivers and plugins: Control4, Crestron, Eedomus, Fibaro, Jeedom and RTI.
- Cloud API and REST API.

* Applicable when the System has an Airzone Cloud Webserver.

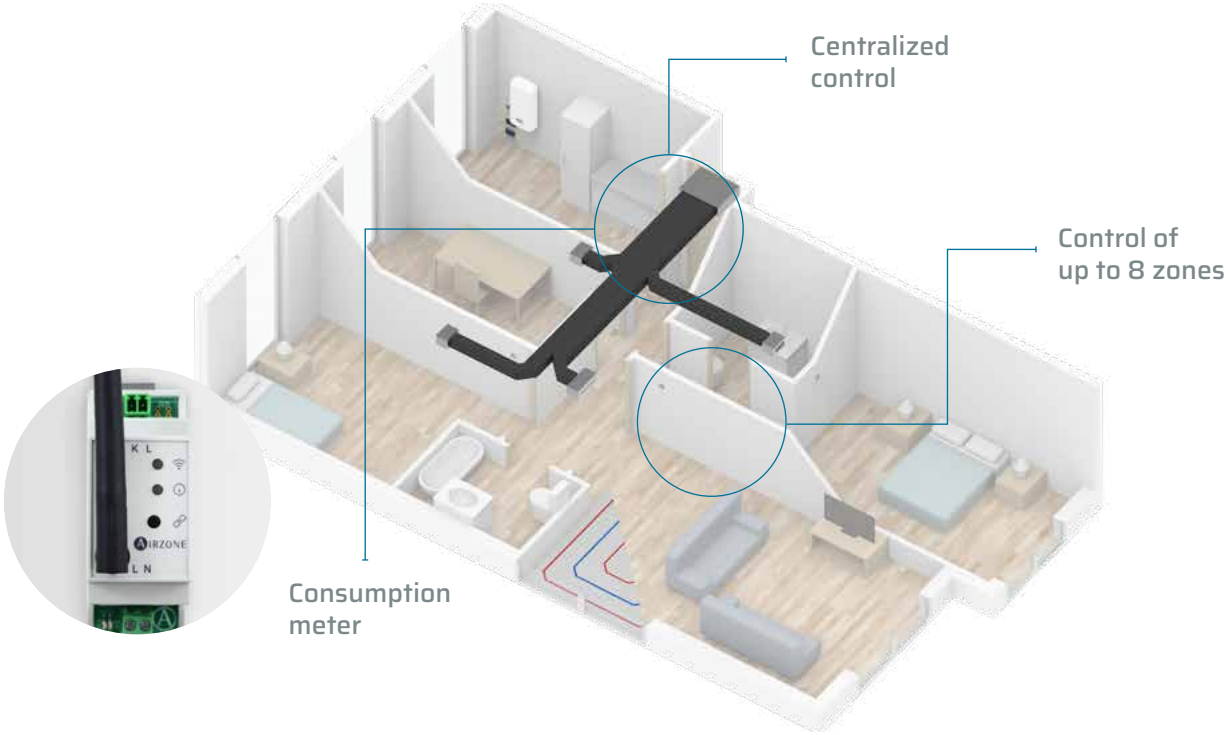
Zoned control system

Zoning **for ducted systems.**

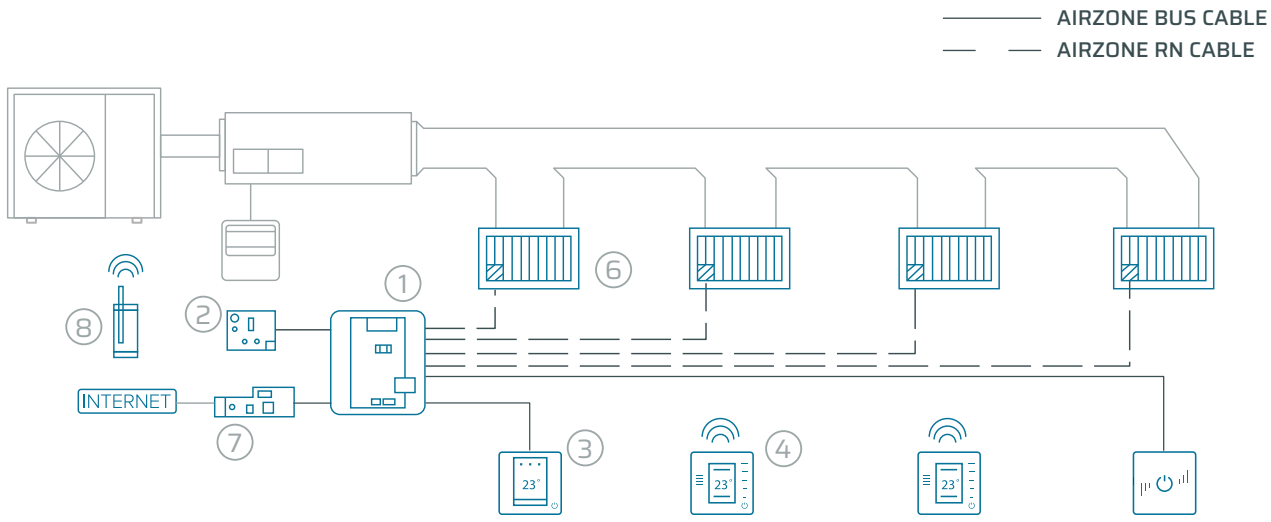
The Flexa 4.0 system is suitable for **rigid and flexible ducted installations** for the independent control of each zone.

Inverter VRF Boiler

eu.bac Cert 22184



- Individual management of the **comfort temperature** in each zone.
- Limitation of minimum and maximum temperatures for efficient control through the **Eco-Adapt function**.
- **Q-Adapt** configuration for fan regulation with 5 presets.
- **Dynamic control** of the indoor unit according to demand.
- Controlled mechanical ventilation **(CMV)** management.
- **Management of production** and recirculation pumps.
- It features a **programmable and configurable output.**
- **Advanced configuration** through the app via Bluetooth.



	Reference	Description	Units
1	AZCE8CB1MOT	Flexa 4.0 main control board - 8 zones	1
2	AZX6GTC [XXX]	Airzone 3.0 controller gateway - [brand]	1
3	AZCE6BLUEZEROC [B/N]	Airzone Flexa Blueface Zero wired thermostat [black/white]	1
4	AZCE6THINKR [B/N]	Airzone Flexa Think monochrome wireless thermostat [black/white]	2
5	AZCE6LITE [C/R] [B/N]	Airzone Flexa Lite [wired/wireless] simplified thermostat [black/white]	1
6	RINT[LONGITUD] [ALTURA] BKMRE	Triple smart regulation grille white	4
7	AZX6WSC5GER	Airzone Cloud Webserver Wi-Fi Dual 2.4-5 GHz	1
8	AZX6ACCON	Airzone consumption meter	1

Independent temperatures

Time schedules

Eco-Adapt function

Remote management*

Weather forecast*

Residential and tertiary

New!

Configuration from the app

The new AZCE8CB1MOT main control board allows **easy configuration of the system through the app thanks to the configuration wizard.** It uses a bluetooth connection, facilitating on-site start-up in the absence of a Wi-Fi connection.

Consumption information

Thanks to the electric meter, you can view the energy consumption of your single-phase HVAC unit on the application's own thermostat or through the Airzone Cloud app.

An integrated solution

Compatibility with **the main BMS/home automation and IoT technologies.**

- Airzone Cloud app.
- Amazon Alexa, Google Assistant and SmartThings voice assistants.
- Modbus protocol.
- BACnet, Lutron and KNX integration gateways.
- Drivers and plugins: Control4, Crestron, Eedomus, Fibaro, Jeedom and RTI.
- Cloud API and REST API.

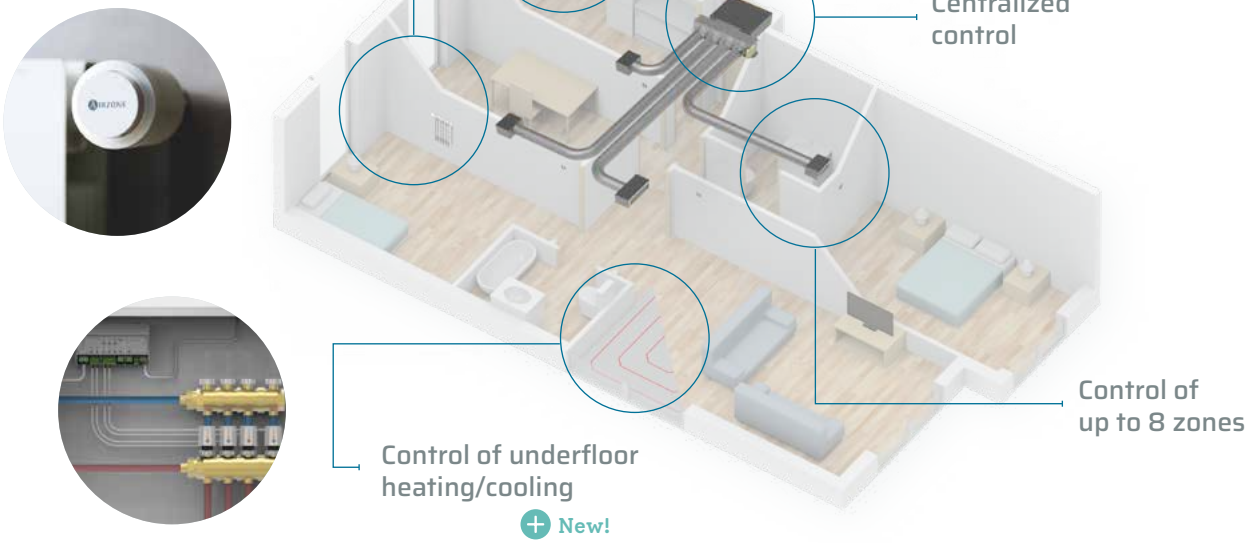
* Applicable if the system has an Airzone Cloud Webserver.

Zoned control system

Zoned control for **ducted HVAC applications, underfloor heating and cooling and radiators.**

Enjoy complete centralized control of the entire application by adding **control of radiant elements, the production unit and the recirculation pumps** to your zoned system.

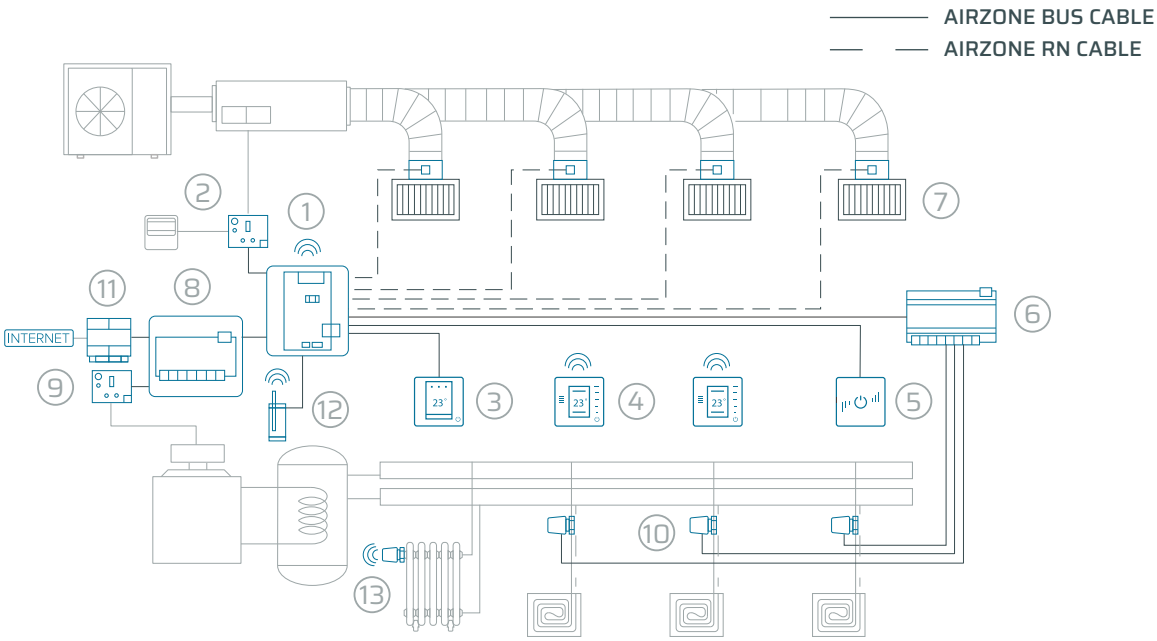
Inverter VRF Boiler Air to water



A single thermostat for air conditioning and underfloor heating and cooling

With a single thermostat per zone, you can easily control air conditioning, underfloor heating and cooling and radiators. **The combined mode makes smart use of the heating stages** to achieve thermal comfort conditions in the shortest possible time.

- Control of **air, underfloor heating and cooling and radiator stages.**
- Management of **production and recirculation pumps.**
- Optimization of comfort with smart control of the **floor's thermal inertia.**
- **Anti-freezing safety function** that prevents the freezing of pipes.
- **Control of the comfort temperature** in each zone.



	Reference	Description	Units
1	AZCE8CB1MOT	Airzone Flexa 4.0 main control board	1
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3	AZCE6BLUEZEROC [B/N]	Airzone Flexa Blueface Zero wired thermostat [black/white]	1
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5	AZCE6LITE [C/R] [B/N]	Airzone Flexa Lite [wired/wireless] simplified thermostat [black/white]	1
6	AZCE8CM1VALC	Airzone control module of 110/230V VALC wired valves	1
7	RINT[LONGITUD] [ALTURA] BKMRE	Triple smart regulation grille white	4
8	AZX6CCPGAWI	Airzone hydronic production control board	1
9	AZX6GAW [XXX]	Airzone air to water gateway - [brand]	1
10	AZX6AC1VALC	Airzone wired 110/230V VALC thermostatic head for radiant elements M30x1.5 mm	3
11	AZX6WSPHUB	Webserver HUB Airzone Cloud Dual 2.4-5 GHz/Ethernet	1
12	AZCE8CM1VALR	Airzone wireless VALR valve control module	1
13	AZX6AC1VALR	Airzone VALR wireless thermostatic head for radiators	1

Independent temperatures

Time schedules

Combined control

Remote management*

Weather forecast*

Residential and tertiary

More comfort, less time

By combining the operation of water, air and radiant stages, you can achieve thermal comfort conditions in the shortest possible time.

Now you can control different types of radiant cooling and heating sources (underfloor heating and cooling, electric underfloor heating and cooling, ceiling cooling, water or electric radiators) and reduce installation time thanks to the new radiant elements module.

More efficient heating

The **production control board** enables automated management of zones with demand. The production of the air to water system and the recirculation pumps will therefore work, avoiding overconsumption.

*Applicable if the system has an Airzone Cloud Webserver.

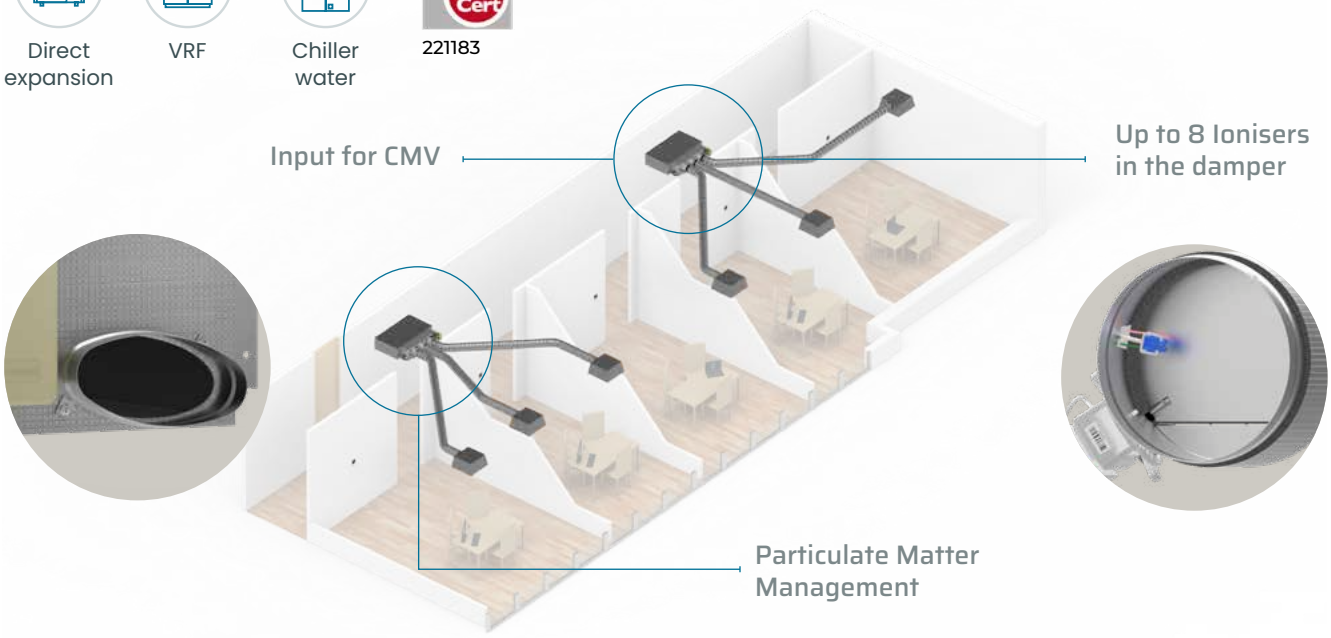
Zoned control system

Motorized plenum for zoning and air quality in installations with circular ducts

Easyzone IAQ is the **Plug&Play solution** for applying zone control to an indoor unit with flexible ducts. **It controls 2 to 8 zones** independently and from anywhere with the **new Airzone Cloud app.** Available as an open system, Flexa 3.0.

Direct expansion | VRF | Chiller water

eu.bac Cert 221183

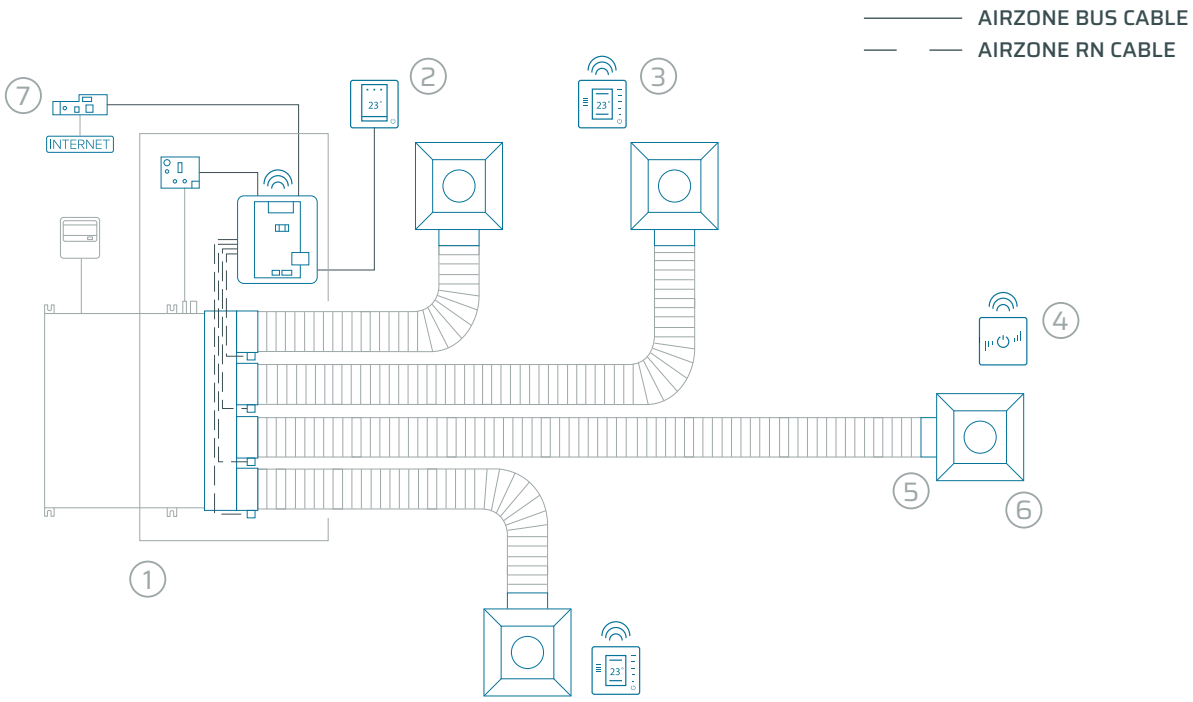


Easyzone now also purifies the air by zone

Easyzone **purifies and improves the indoor air quality** of each zone. Each motorised damper includes an ioniser that purifies the air, based on the air quality level detected.

- Dynamic control of **set-point temperatures** for better energy efficiency.
- Limitation of minimum and maximum temperatures for effective control with the **Eco-Adapt function.**
- Custom-made plenum for each indoor unit, **Plug&Play.**
- 3 plenum models available: **Standard + CMV, Slim + CMV and Medium.**
- Dynamic control of set-point temperatures with the **Q-Adapt function.**

CMV: Controlled mechanical ventilation



	Reference	Description	Qty
1	AZEZ8 [XXX] [ST/SL/BS] 4x [200/150]	Easyzone IAQ [Standard + CMV / Slim + CMV / Medium] IB8 [brand] 4x [200/150] 01M Airzone - [brand] controller gateway Airzone main controller of the Flexa 4.0 system - Innobus Pro8 - 8 zones Ioniser for each damper and integrated sensor	1
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	PLEAROT	Plenum for insulated rotating diffuser	4
6	DRPL [XX] B [XX]	Rotating diffuser on plate for white modular ceiling	4
7	AZX6WSC5GER	Webserver Airzone Cloud Wi-Fi Dual 2.4-5 GHz	1

Independent temperatures

Time schedules

Air quality

Remote management*

Weather forecasts*

Residential and commercial

New!

Dampers with ionisers

Each motorised damper has **an integrated flow control mechanism**, to which **an ioniser** is added.

Renewal of the air (CMV)

Easyzone makes it possible to renew the air in the application independently and autonomously, using the same ductwork.

An integrated solution

Compatible with **the main BMS, home automation and IoT technologies.**

- Airzone Cloud Application.
- Voice assistants Amazon Alexa or Google Assistant.
- Modbus Protocol.
- BACnet, Lutron and KNX integration gateways.
- Drivers and plugins: Control4, Crestron, Eedomus, Fibaro, Jeedom and RTI.
- Cloud API and REST API.

* Applicable when the System has an Airzone Cloud Webserver.

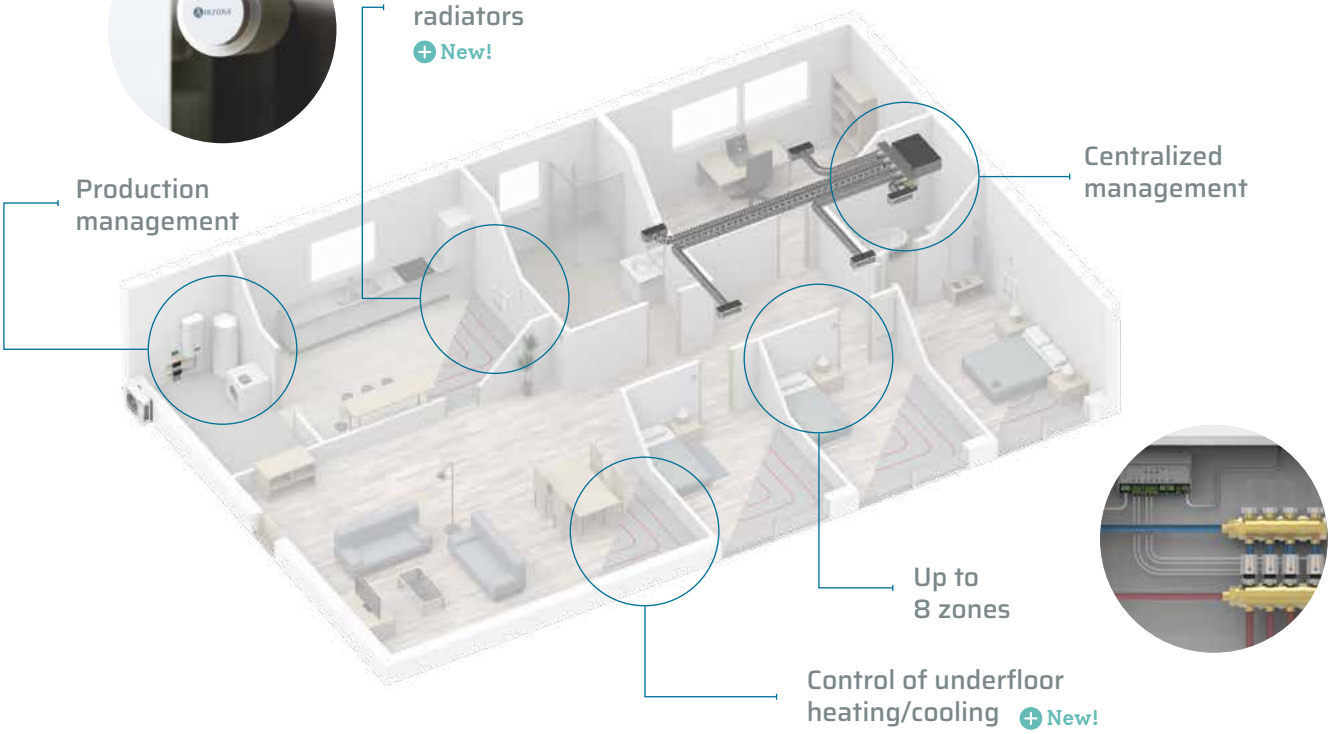
Zoned control system

Motorized plenum for zoning and air quality in mixed installations: ducted HVAC, underfloor heating and cooling and radiators.

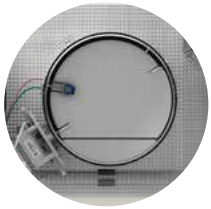
Easyzone IAQ is a complete system. Add **control of radiant elements, the production unit and the recirculation pumps** to your zoned system. Centralized control for the entire application.

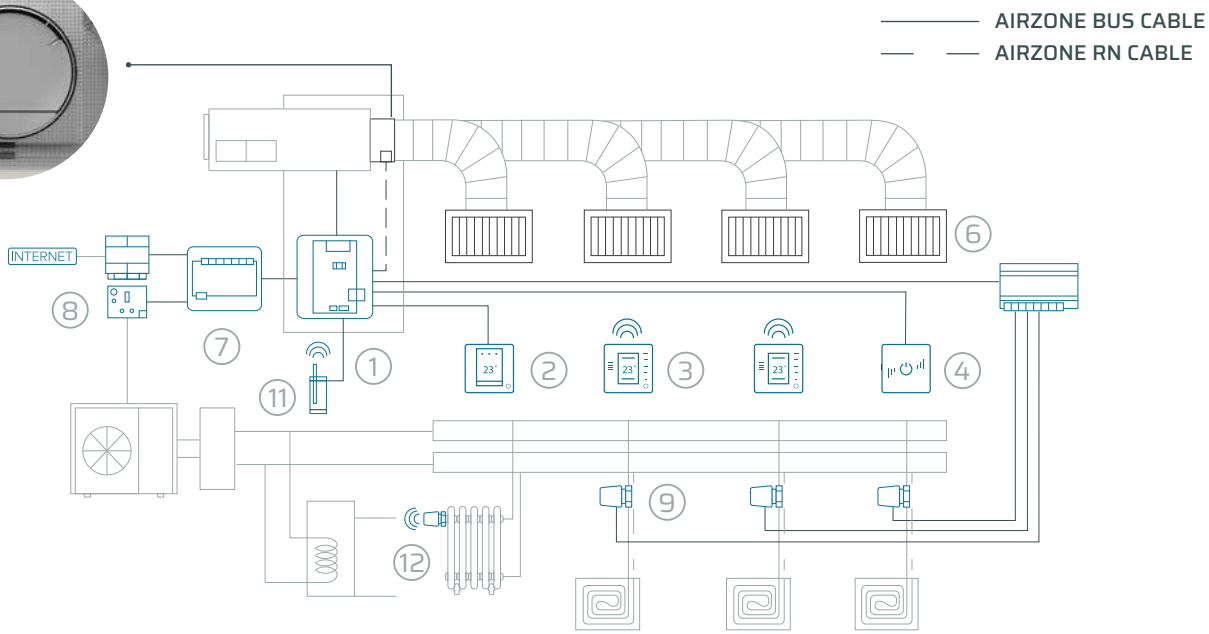
Inverter VRF Boiler Air to water

eu.bac Cert 221183



- **Optimization of comfort** with smart control of the floor's thermal inertia.
- **Anti-freezing safety function** that prevents the freezing of pipes.
- Ionization-based indoor **air purification and quality control** system.
- Control of the **comfort temperature** in each zone.





	Reference	Description	Units
1	AZEZ8 [XXX] [ST/SL/BS] 4x [200/150]	Easyzone IAQ [Standard + CMV / Slim + CMV / Medium] IB8 [brand] 4x [200/150] 01M Airzone 3.0 controller gateway - [brand] Airzone Flexa 4.0 - Innobus Pro8 main control board - 8 zones Ionizer by damper and integrated sensor	1
2	AZCE6BLUEZEROC [B/N]	Airzone Flexa Blueface Zero wired thermostat [black/white]	1
3	AZCE6THINKR [B/N]	Airzone Flexa Think monochrome wireless thermostat [black/white]	2
4	AZCE6LITE [C/R] [B/N]	Airzone Flexa Lite [wired/wireless] simplified thermostat [black/white]	1
5	AZCE8CM1VALC	Airzone control module of 110/230V VALC wired valves	1
6	RDHV[LENGTH][HEIGHT] BKX	Horizontal-vertical double deflection supply grille white	4
7	AZX6CCPGAWI	Airzone hydronic production control board	1
8	AZX6GAW [XXX]	Airzone air to water gateway - [brand]	1
9	AZX6AC1VALC	Airzone wired 110/230V VALC thermostatic head for radiant elements M30x1.5 mm	4
10	AZX6WSPHUB	Webserver HUB Airzone Cloud Dual 2.4-5 GHz/Ethernet	1
11	AZCE8CM1VALR	Airzone wireless VALR valve control module	1
12	AZX6AC1VALR	Airzone VALR wireless thermostatic head for radiators	1

Independent temperatures | Time schedules | Combined control | Remote management* | Weather forecast* | Air quality

Combined control

With the control module of radiant elements, you can **combine the operation of water, air and radiant stages.** The combined mode makes it possible to achieve thermal comfort conditions in the shortest possible time.

Optimized production

Through the production control board, Easyzone IAQ **automatically manages the production of the air to water system and recirculation pumps** according to the zones with demand, avoiding overconsumption.

An integrated solution

Compatibility with **the main BMS/home automation and IoT technologies.**

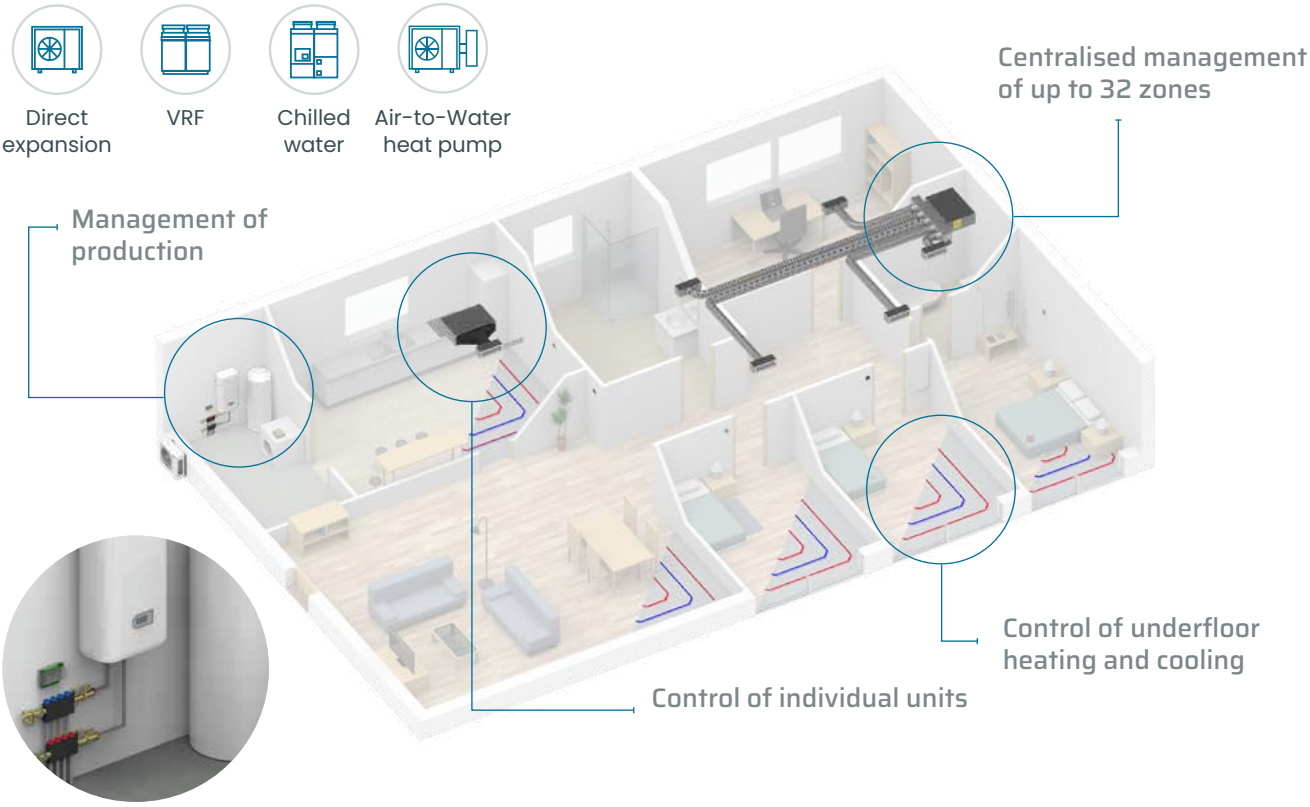
- Airzone Cloud app.
- Amazon Alexa, Google Assistant and SmartThings voice assistants.
- Modbus protocol.
- BACnet, Lutron and KNX integration gateways.
- Drivers and plugins: Control4, Crestron, Eedomus, Fibaro, Jeedom and RTI.
- Cloud API and REST API.

* Applicable if the system has an Airzone Cloud Webserver.

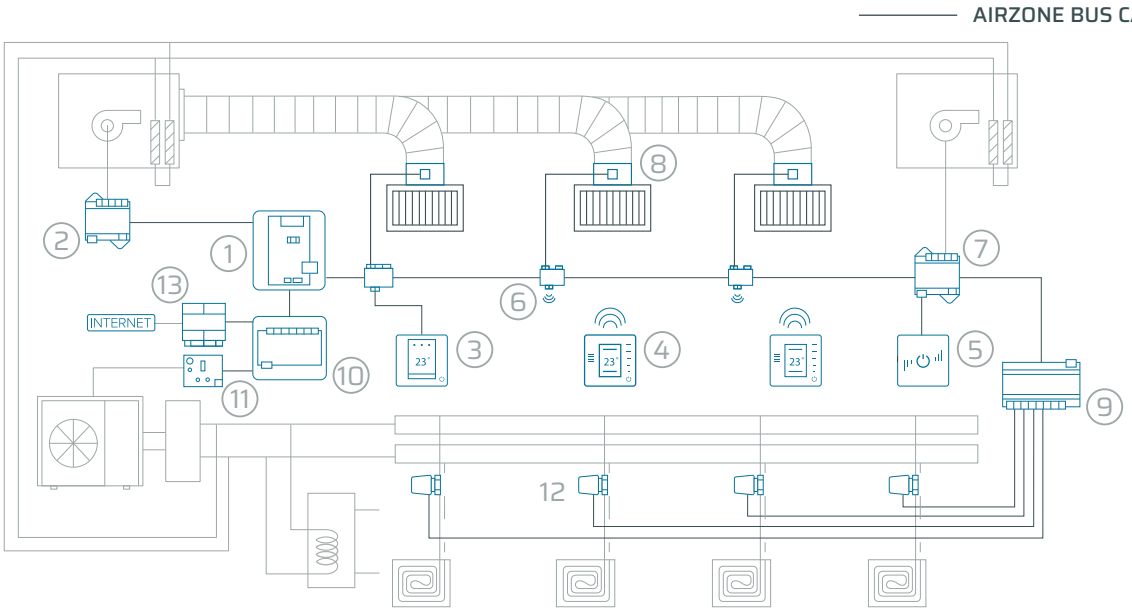
Zoned control system

Centralized management through seamless integration.

Acuazone is ideal for **the management of hydraulic applications with up to 32 independent zones,** with the possibility of combining underfloor **heating or cooling,** as well as all the associated **individual** units (cassettes, wall splits, consoles, etc.). Available in open system (without plenum) to be mounted and connected.



- **Individual control** of set-point temperatures by zone.
- **Anti-condensation** control with zone humidity measurement, supply air temperature and dehumidifier control.
- **Responsible management thanks to the Eco-Adapt functionality:** definition of the maximum temperature in heating and the minimum temperature in cooling.
- Optimum comfort thanks to **the combined regulation of the air and the underfloor heating and cooling.**
- **Rabbet and occupancy** contacts per zone to shut off heating and cooling in the room without affecting other zones.
- **Frost protection function** which prevents frost in the pipes and prolongs the life of the system.



	Reference	Description	Qty
1	AZDI6ACUAZONE	Airzone Acuazone main control board - 32 zones	1
2	AZX6010VOLTSZ	Airzone 0-10V fan coil control gateway	1
3	AZDI6BLUEZEROC [B/N]	Airzone Acuazone Blueface Zero wired thermostat [white/black]	1
4	AZDI6THINKR [B/N]	Airzone Acuazone Think wireless monochrome thermostat [white/black]	2
5	AZDI6LITE [C/R] [B/N]	Airzone Acuazone Lite Thermostat [wired/wireless][white/black]	1
6	AZDI6MZZON [C/R]	Airzone actuator zone module [wired/wireless]	3
7	AZDI6MCFAN [C/R]	Airzone 3 speed fan coil individual unit zone module [wired/wireless]	1
8	CPCC [DIAMETER] MTE	Motorised circular duct damper	3
9	AZDI6OUTPUT8	Airzone control module of radiant elements - 32 zones	1
10	AZX6CCPGAWI	Airzone hydraulic production control board	1
11	AZX6GAW [XXX]	Airzone - [brand] air to water hp gateway	1
12	AZX6AC1VALC	Airzone wired thermostatic valve actuator 110/230v VALC for radiant elements	4
13	AZX6WSPHUB	Airzone Cloud Dual Webserver HUB 2.4-5G - Ethernet	1

Independent temperatures

Time schedules

Combined control

Remote management*

Weather forecasts*

Residential and commercial

A versatile solution

Acuazone adapts to the most complex applications by allowing efficient and intuitive integration. Particularly appealing for commercial buildings, this system offers a wide variety of combinations.

Dynamic control

The combined stage makes it possible to control the units of different thermal emitters and thus to optimise the operation of the mixing valve with the control of the temperature of the water produced.

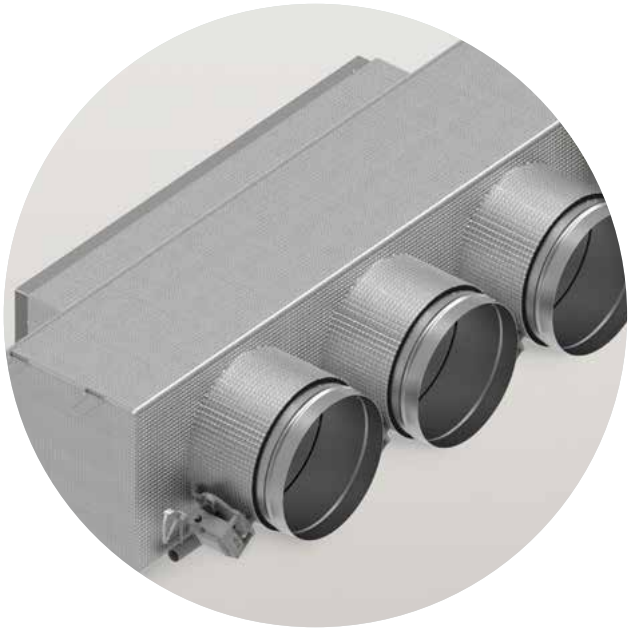
* Applicable when the System has an Airzone Cloud Webserver.

An integrated solution

Compatibility with the main **BMS, home automation and IoT technologies.**

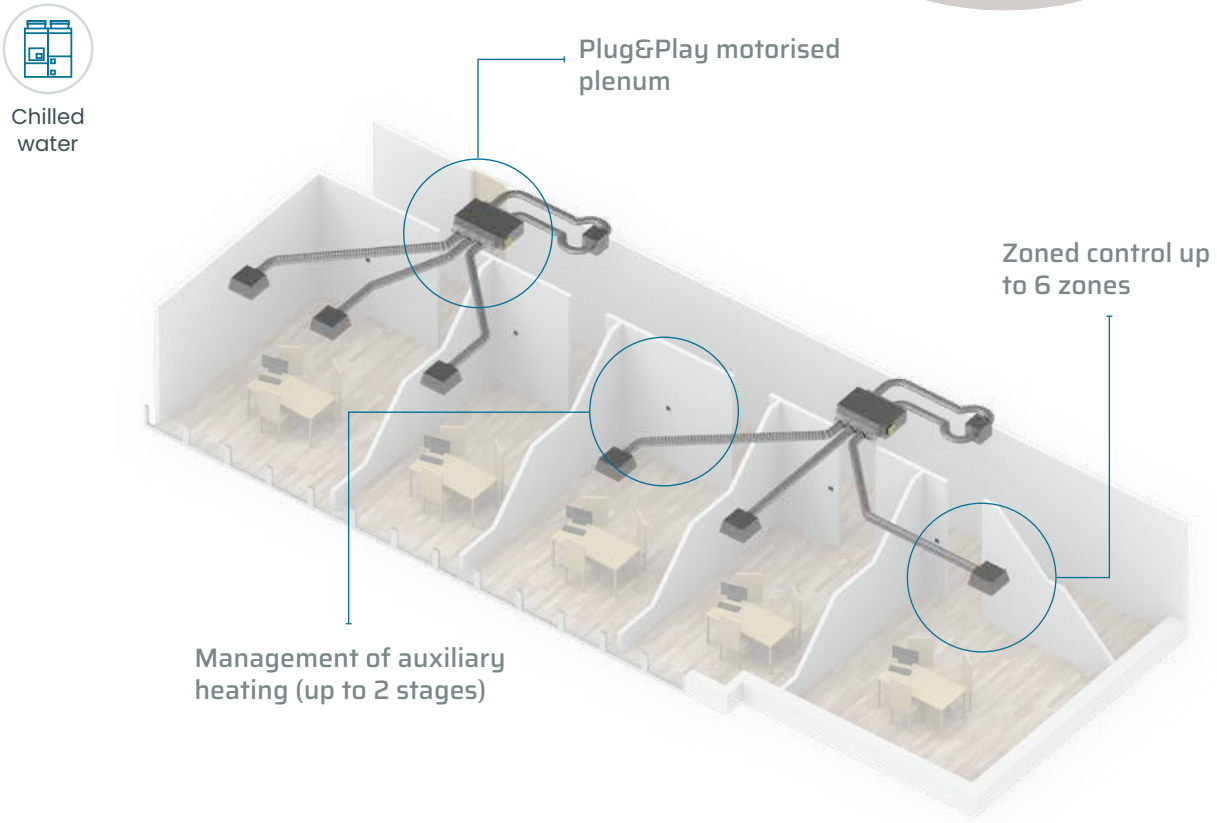
- Airzone Cloud Application.
- Voice assistants Amazon Alexa or Google Assistant.
- Modbus Protocol.
- KNX, BACnet or WAGO integration gateways.
- Drivers: Control4, Crestron, Eedomus, Fibaro, Jeedom and RTI.
- Cloud API and REST API.

2 tubes 2 wires



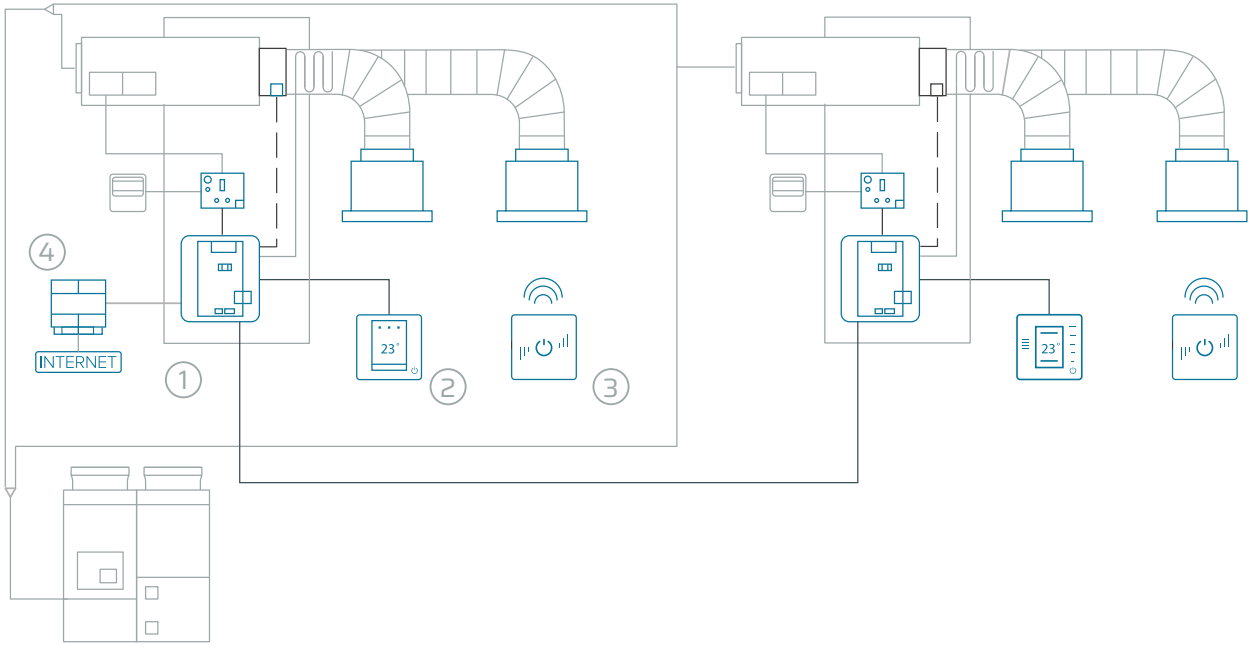
A smart solution for **2-tubes, 2-wire chilled water** applications

Plug&Play solution thanks to a motorised plenum which allows **zoned management of a 2-tube, 2-wire Fan coil unit.** In this sense, it will be possible to connect an auxiliary electric resistance heater. The electronics of this system are recognised by the European eu.bac energy improvement certification.



- **Smart management of the ventilation speed** of the air conditioning units to provide thermal comfort and adapt it according to demand. Possibility of managing 3-speed or proportional 0-10 V motors.
- **Auto mode:** Automatically alternates between cooling and heating, depending on overall demand.
- Possibility of managing **a 2-tubes, 2-wires configuration** with electric battery in order to control an auxiliary heater.
- Improved energy performance thanks to the **eu.bac certified** Airzone Central V1.3 system.
- **Fewer indoor units:** with an average of 1 unit for 4 treated zones, the number of indoor units in the project is divided by 4.

AIRZONE BUS CABLE



	Reference	Description	Qty
1	AZZS6 [XXX] [ST/SL/BS] 4x [200/150]	Easyzone [Standard + CMV / Slim + CMV / Medium] IB8 [brand] 4x [200/150] 01M Airzone - [brand] controller gateway Main controller of the Airzone Flexa 3.0 system - Innobus Pro8 - 8 zones Ioniser for each damper and integrated sensor	1
2	AZZS6BLUEFACEC [B/N]	Airzone ZS6 Blueface thermostat wired [white/black]	1
3	AZZS6LITER [B/N]	Airzone ZS6 Lite thermostat wireless [white/black]	2
4	AZX6WSPHUB	Airzone Cloud Dual Webserver HUB 2.4-5G - Ethernet	1

Independent temperatures

Time schedules*

Remote management*

Weather forecasts*

Commercial buildings and hotels

Easy maintenance

The ducted units placed in the common areas allow access to them without disturbing the occupants of the treated zones and maintenance costs are reduced.

More modularity

In the event of a change in the layout of the offices, the diffusers can be moved easily.

An integrated solution

Compatibility with the main **BMS, home automation and IoT technologies.**

- Airzone Cloud Application.
- Voice assistants Amazon Alexa or Google Assistant.
- Modbus Protocol.
- Local and Cloud API.

* Applicable when the System has an Airzone Cloud Webserver.

Integration of control systems

Connect your **HVAC applications** to major **building management systems** with our solutions.

REST:API
Local API

Modbus

Modbus RTU Port
Gateways

We control the following parameters

- The operating mode of the application.
- The fan speed of the indoor unit.
- Domestic hot water (DHW).
- Error detection.
- The data of each zone:
  - The status of the zone.
  - The reading of the room temperature and humidity.
  - The set-point temperature.
  - The management of the air stage and radiant elements.

Airzone Cloud Webserver HUB

The new Airzone Cloud Webserver HUB module **allows Airzone systems to connect to the Cloud.** Always keep control of your applications, by transforming your devices into control interfaces. Any time, anywhere.

- Control up to 32 Airzone systems.
- Ethernet port.
- RS485 port for BACnet MS/TP, Modbus.
- 2.4 GHz/5 GHz Wi-Fi connectivity.
- Bluetooth Low Energy (BLE) connectivity for configuration.
- Allows configuration as Lutron gateway or BACnet IP.
- Remote update of Webserver firmware and connected systems.
- Remote management of system errors.

BACnet IP and MS/TP

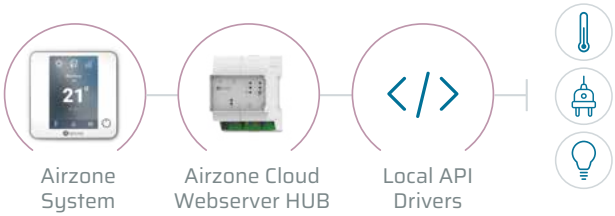
- Plug&Play.
- One Airzone Cloud Webserver HUB as BACnet gateway per system.
- Control up to 32 systems.
- Accessible from Airzone Cloud.
- Ethernet/Wi-Fi connection.

Local API

Direct IP communication with the local web server, Airzone Cloud Webserver HUB.

- Plug&Play.
- Control up to 32 Airzone systems.
- Accessible from Airzone Cloud.
- Ethernet/Wi-Fi connection.

The local API is open to allow the integration of HVAC applications with home automation systems.



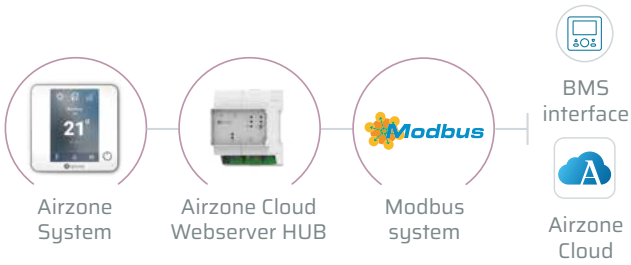
Control4 CRESTRON eedomus fhe FIBARO EEDOM RTI

Lutron

- Plug&Play.
- One Airzone Cloud Webserver HUB as Lutron gateway per system.
- Control up to 32 systems.
- Accessible from Airzone Cloud.
- Ethernet/Wi-Fi connection.
- Compatible with Lutron Palladiom thermostats.

Modbus

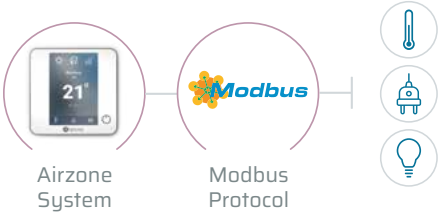
- Plug&Play.
- One Airzone Cloud Webserver HUB as Modbus gateway per system.
- Control up to 32 systems.
- Accessible from Airzone Cloud.



KNX Gateway

- One KNX gateway per Airzone system.
- Control up to 14 zones.
- KNX certified product.
- KNX standard data.
- Configurable from the ETS.
- Compatible with KNX thermostats.

Modbus

Direct control from the home automation port of our main controller. All our products use the Modbus RTU protocol natively.

- Control up to 99 Airzone systems.