AIRZONE

Chilled Water
Zoning Solutions

ONEZONE VAF

We do what
we know best

CHILLED WATER ZONING SOLUTIONS FOR RESIDENTIAL
AND COMMERCIAL APPLICATIONS

What is zoning?

Zoning means getting **different temperatures with one single ducted chilled water unit,** saving energy and simplifying the installation. The combination of Onezone Integrated Zoning Systems and the AC units of the leading HVAC manufacturers provides superior comfort to each zone.

The most efficient HVAC solution in the market

Comfort 24/7: with Airzone have the perfect temperature in each zone.

A whole new level of energy efficiency and control

Independent temperatures
Choose **the perfect temperature for each room.** The best solution to the varying needs of different users.

Comfort
Get the utmost comfort with one ducted unit and enjoy the convenience of zoning.

Energy efficiency
Our **energy-efficiency algorithms** promote the rational use of energy while getting the most out of the system.

Innovative design
Smart thermostat with high-technology capacitive screen. Finished in zamak steel and glass, it is the perfect balance between design and control.

Economic savings
Reduce the consumption of the system by zoning: **turn on only the zones you actually use.**

Latest BMS/HA
Connect your Airzone system easily to **the most popular BMS/HA on the market.**

High quality
Recommended by the top AC manufacturers around the world. **20 years of experience at your service.**

Cloud technology
Control the temperature of your home from your smartphone. Enjoy an up-to-date system 24/7 thanks to Airzone Cloud.

What is Onezone Chilled Water **composed of?**

Motorized **round duct damper**

Control board + 5 relay fancoil gateway

Control board + 0-10 V fancoil gateway

Airzone **thermostats**

Airzone Cloud **Webserver Wi-Fi**

Relay box for **radiant heating**

Coworking
76°-50%

74°
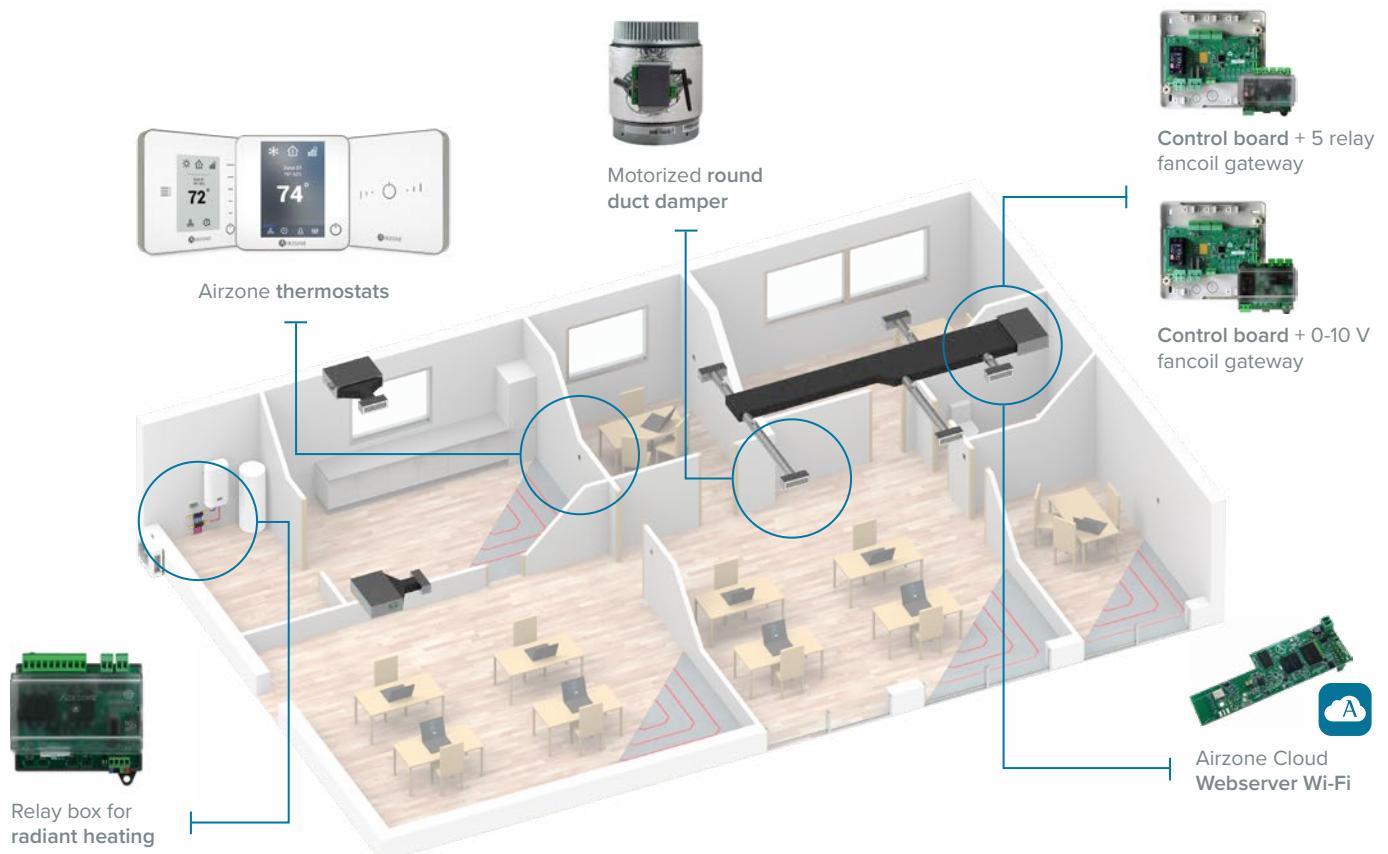
Airzone bridges
the gap

BETWEEN HVAC AND IOT

HVAC Integration

Airzone Control Systems allow the leading **Building Management (BMS)** and Home Automation (HA) Systems to seamlessly **integrate with Inverter/VRF technologies.**

- Plug & Play solutions.
- Control, combine and coordinate floor, AC and heating with 1 solution.
- Maximum comfort for the end user.
- Enhance energy efficiency and economic savings.
- Collaboration with the major HVAC manufacturers.

AC and Radiant Heating integrated through **a single interface**

VRF · AIR-TO-WATER HEAT PUMP · MULTI-SPLIT/SPLIT INVERTER AC

Zoning
Systems

Control
Solutions

Sustainable
construction

BMS · IoT
integration
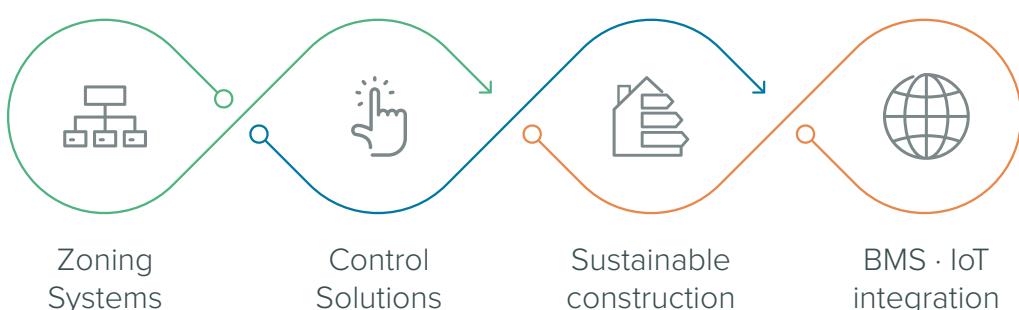
BMS/HA Control

Full control of integrated HVAC through **2-way communications using manufacturer's protocols** and self-guided configuration.

Quick and easy installation

- Easily integrate **any HVAC system** regardless of it's complexity with the leading BMS/HA standards in no time.

Simple configuration

- Just download the drivers, select **the preferred parameters** and you are all set.
- No more complex and time-consuming programming.

Troubleshooting and maintenance

- You can easily diagnose the problems in other areas of the BMS system and discard those beyond your liability.

API Cloud and API REST

- The most secure, uncomplicated and fastest **3rd party integration.**

Top Features

- Control **independent zones** with zoning.
- Setpoint temperature per zone.
- Temperature & **Relative Humidity Sensor** per zone.
- **Air and radiant stage** control.
- Set the **Operation Mode** of the entire installation.
- Set the AC ventilation speed.
- **Sanitary hot water** (SHW) control.
- Integrate 3rd party thermostats.

BMS Control Systems

BACnet   Control4   CRESTRON   eedomus   fhe   FIBARO
JEEDOM   KNX   LUTRON   Modbus   RTI   WAGO

HVAC Manufacturers

atlantic   BAXI   BOSCH   De Dietrich   DAIKIN   Dual Air   FUJITSU   Fuji Electric
GENERAL   GREE   Haier   HITACHI   Hisense   HIYASU   Kaysun   LG   Midea
MITSUBISHI ELECTRIC   MITSUBISHI HEAVY INDUSTRIES LTD.   Panasonic   SAMSUNG   TOSHIBA   VIESSMANN   WaterFurnace

IoT Control Systems

amazon alexa   works with the Google Assistant

Design and control

## Airzone Interfaces

Temperature Control   Relative Humidity   Zamak and Glass
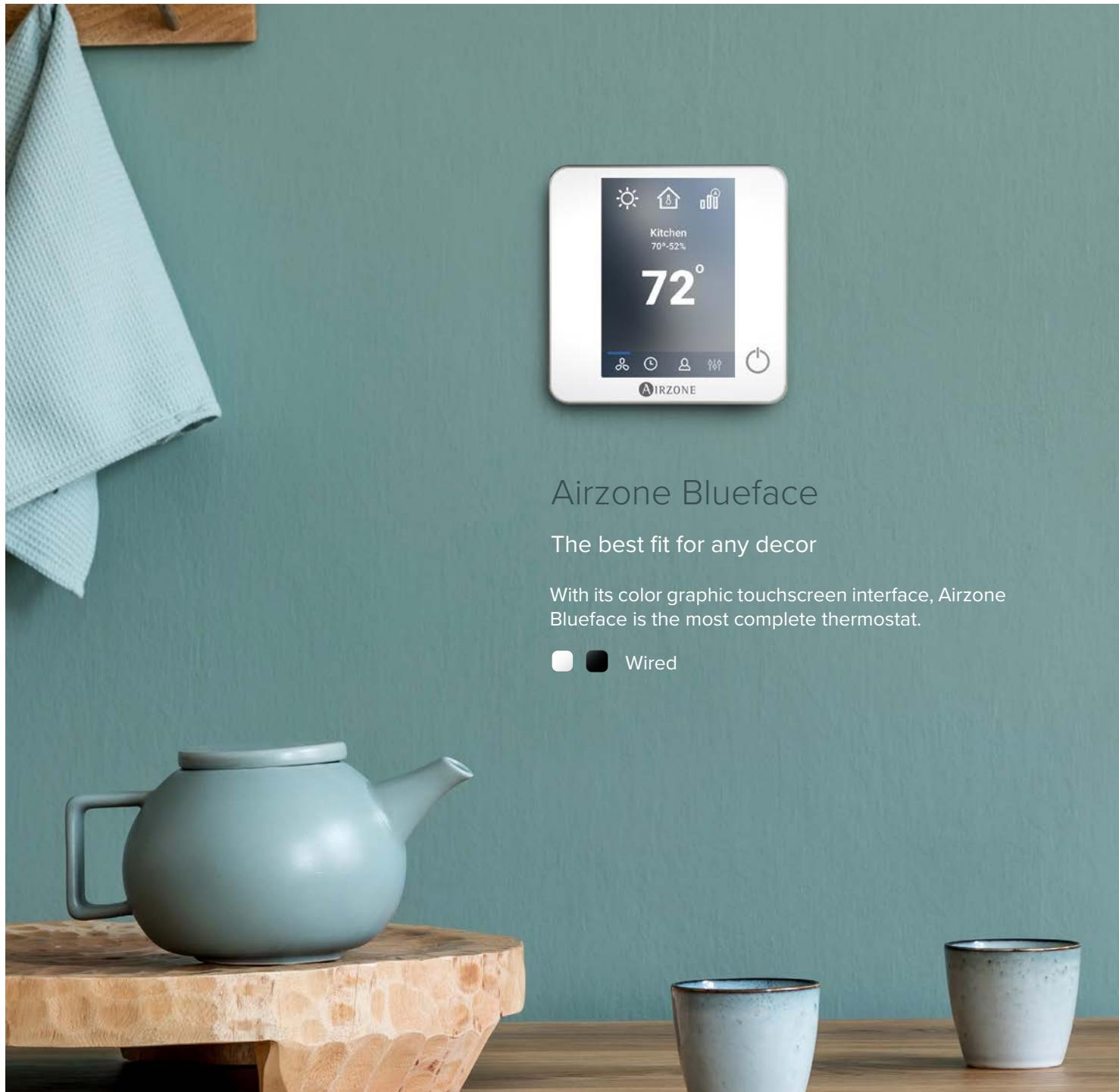
Airzone Blueface

The best fit for any decor

With its color graphic touchscreen interface, Airzone Blueface is the most complete thermostat.

Wired

Airzone Think

◻ ◼ Wireless | Wired

Low consumption wireless technology.

Airzone Lite

◻ ◼ Wireless | Wired

Simplest control for the most common needs.

Airzone Cloud

Full HVAC integration and **control wherever you go** Centralized management.

Cloud
technology

THE MOST COMPLETE
AND INTUITIVE INTERFACE

Airzone **Cloud**
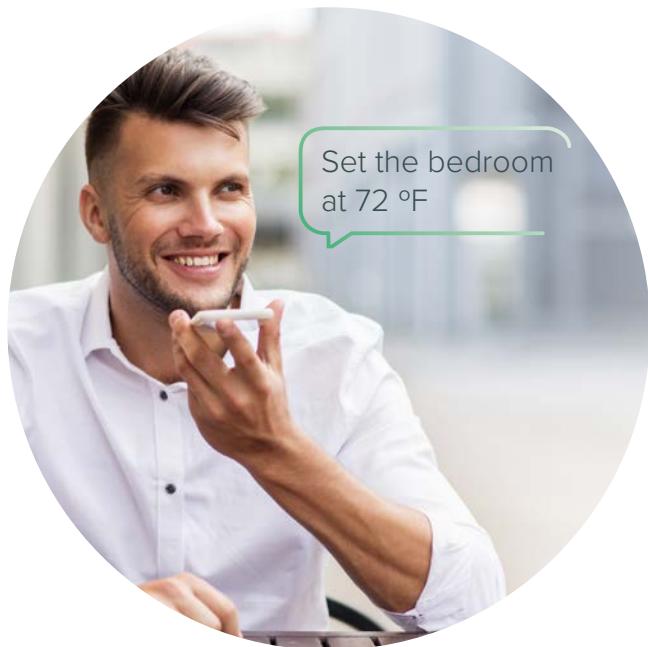
Remote control is **a fundamental feature when choosing smart control** for the home. With the Airzone Cloud app, you can manage your HVAC system remotely and program the use of the thermostat to ensure greatest efficiency.

Are you ready to enjoy remote control?

Play Store   App Store

Turning independent **zones on and off,** creating **time schedules** and conveniently **checking the weather forecast** are just some of the options offered by the application.

Discover all
the possibilities
of Airzone Cloud

Access the demo at
airzonecloud.com

amazon alexa

works with the
**Google** Assistant
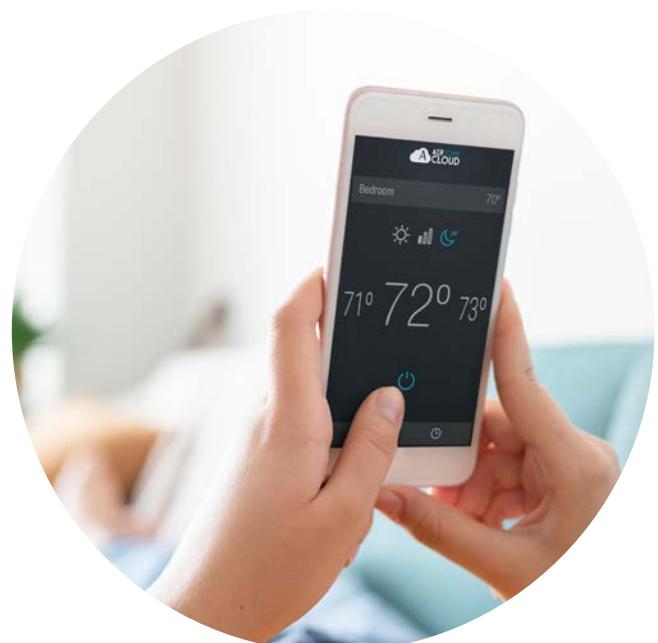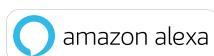
Anytime,
anywhere

Guidelines

Onezone VAF Chilled Water Zoning Solution is compatible with any 3-fan speed or 0-10 V fancoil unit of any manufacturer.

System composition per ducted indoor unit

1. Always select one Airzone VAF Controller with an integrated communications gateway **AZVAFR2[XXX].**

2. Always select one Blueface Main Controller **AZVAFBLUEFACECB.**

3. Select a Zone Controller for each zone except for the main one that already has a main Blueface Controller selected. These Zone Controllers could be either wired **AZVAFTHINKCB** or wireless **AZVAFTHINKRB**. Note that the system can control up to 10 zones.

4. Select as many smart motorized dampers as needed. They could be wired or wireless, depending on the user's needs.

Wiring diagram
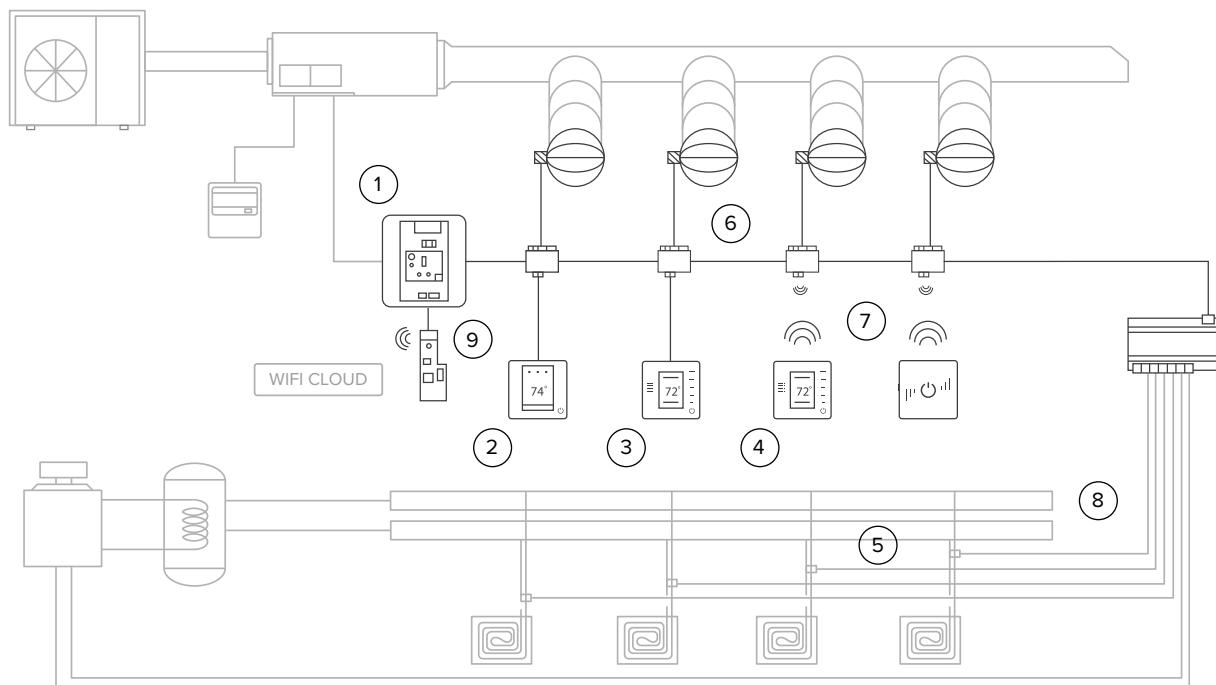
Reference		Description	Units
1	AZVAFR2[XXX]	Airzone VAF Control board with [XXX] communication region 2	1
2	AZVAFBLUEFACECB	Airzone VAF wired Blueface principal controller white	1
3	AZVAFTHINKCB	Airzone VAF wired Think controller white	1
4	AZVAFTHINKRB	Airzone VAF wireless Think controller white	1
5	AZVAFLITERB	Airzone VAF wireless Lite controller white	1
6	AZVAFDAMPER[XX]C	Airzone VAF [XX] wired intelligent round damper	2
7	AZVAFDAMPER[XX]R	Airzone VAF [XX] wireless intelligent round damper	2
8	AZVAF5OUTPUTS	Airzone VAF relay radiant heat control module	1
9	AZVAFWEBSCLOUD [C/R]	Airzone VAF [Ethernet/WiFi] Cloud Webserver	1

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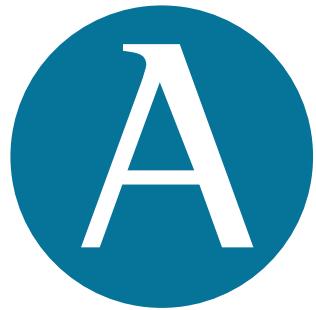
Engineered and made in EU

Andalucia Technology Park
Marie Curie, 21 · 29590 Malaga, Spain

+34 900 400 445 · **airzonecontrol.com**