



# Integrated **HVAC** control solutions

AIRZONE VAF  
AIRZONE AIDOO WI-FI CONTROLLER

# We do what we know best

ZONING AND CONTROL SOLUTIONS FOR RESIDENTIAL AND COMMERCIAL APPLICATIONS



## State-of-the-art control and integration solutions for Inverter/VRF

Airzone VAF and Aidoo Wi-Fi for Mitsubishi solve the problems of **zoning, control and connectivity of the ducted and ductless indoor** units in residential and commercial applications.

The most efficient HVAC control solution in the market

## A whole new level of energy efficiency and control in HVAC



### Independent temperatures

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



### Comfort 24/7

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.



### Individual ductless unit control

Enjoy the full potential of the unit with **control from anywhere, anytime**.



### 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 smart device. Enjoy an up-to-date system 24/7 **thanks to Airzone Cloud**.

# Airzone VAF for Mitsubishi Electric

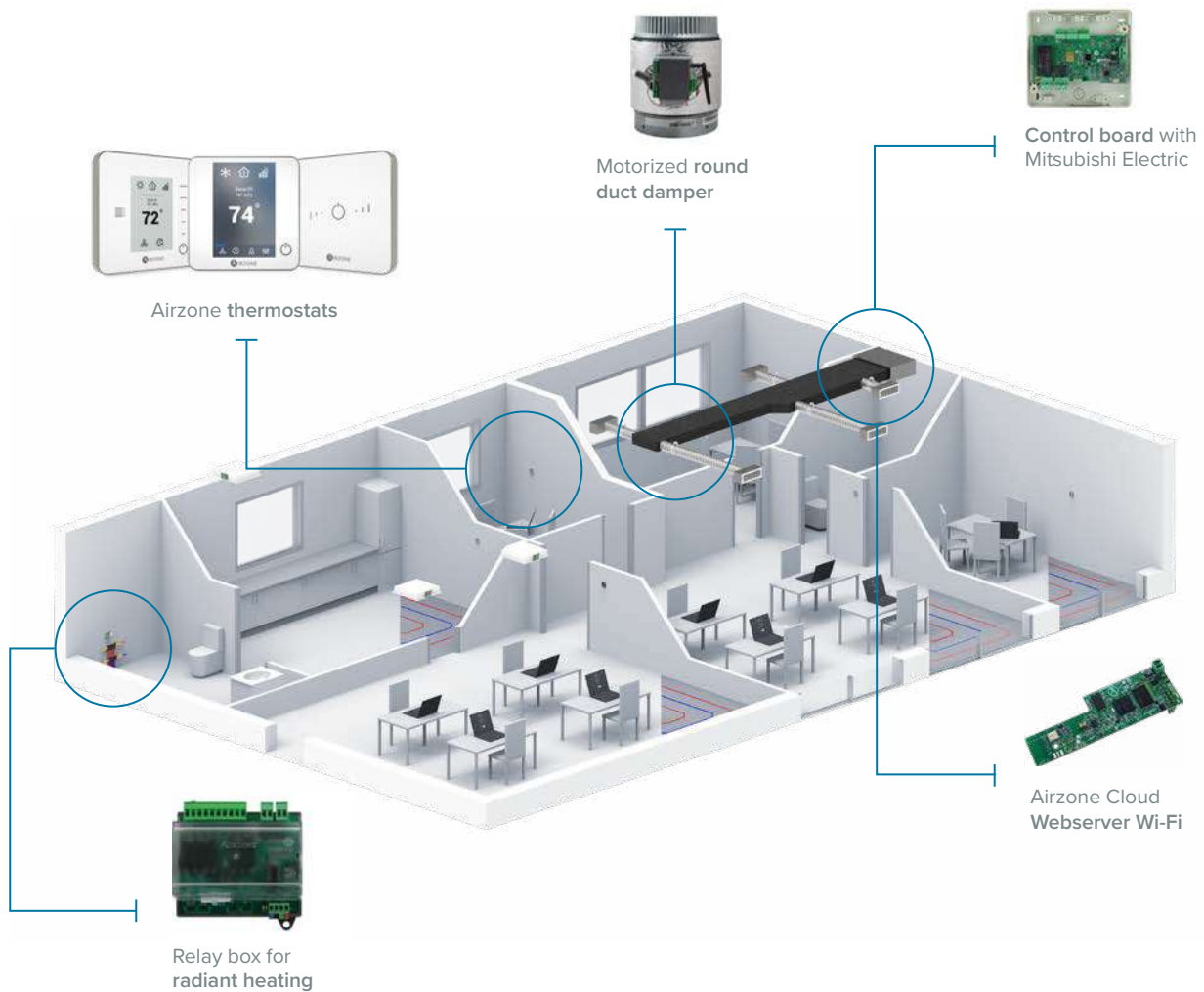
## Fundamentals

The Airzone VAF Zoning System is the perfect combination of Inverter/VRF and VAV, integrating the best of HVAC with IT.

It is a variable airflow zoning system **compatible with the residential and commercial range of ducted and ductless indoor** units provided by Mitsubishi Electric.

**Each solution consists of** Airzone touch thermostats, 4-step modulating dampers (12V) and a VAF control PCB with Mitsubishi Electric.

- Cost effective, superior comfort.
- Efficient and enhanced energy savings.
- Small & mid-sized commercial applications.
- Multi-split residential projects.
- Compatible with radiant heating.
- Integrable with zone-supplemental heating systems.
- Individual temperature control in each zone.



# Design and control

THE PERFECT BALANCE

## Airzone Interfaces



Temperature Control



Relative Humidity Reading



Metal and Glass



### Airzone Blueface

The best fit for any decor

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

Available in:

Wired



### Airzone Think

Available in:

Wireless | Wired

**Low consumption**  
wireless technology.



### Airzone Lite

Available in:

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.

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.

Thanks to the Airzone Cloud Webserver, **32 Airzone VAF systems, that make upto 320 zones, can be controlled from the same app.** This is attractive in particular for certain commercial and residential facilities such as offices, hotels, assisted livings, schools, etc.

## Discover all the possibilities of Airzone Cloud

**Airzone solutions are also compatible with voice assistants** of Amazon Alexa and Google which give all the user-friendly functionalities of these applications.

Are you ready to enjoy remote control?



Access the demo at [airzonecloud.com](http://airzonecloud.com)



# Airzone bridges the gap

BETWEEN HVAC AND IOT

## Full HVAC Integration

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

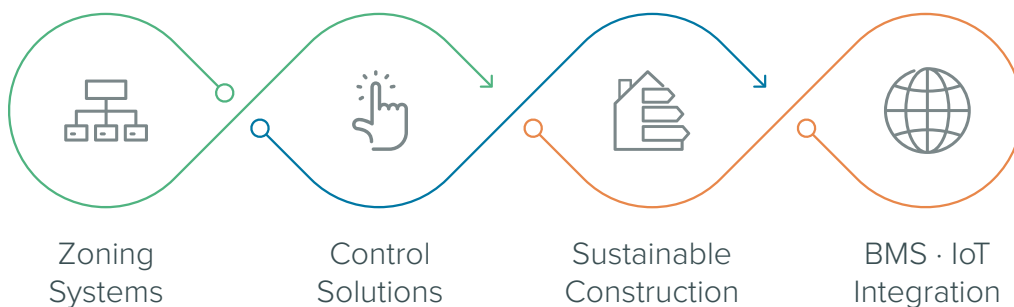
- Plug & Play solutions.
- Control, combine and coordinate floor, AC and heating with 1 solution.
- Maximum comfort for the end user.
- Enhance energy efficiency and economic savings.
- Collaboration with the major HVAC manufacturers.
- Certified protocols, two-way communications and self-guided configuration.



AC and Radiant Heating integrated through a single interface



VRF · MULTI-SPLIT/SPLIT INVERTER AC





# BMS/HA Control

### Quick and easy installation

- Easily integrate **any HVAC system** regardless of its 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.
- Integrate 3rd party thermostats.

### HVAC Manufacturers



### BMS Control Systems



### IoT Control Systems



# Aidoo Wi-Fi Controller

FOR MITSUBISHI ELECTRIC



Plug & Play, one-device solution



Most secure Cloud technology



Error codes and remote diagnostics



Integration with 3rd party systems



## THE BEST ALTERNATIVE TO CONTROL INVERTER/VRF UNITS

- Multiple unit control with **one app**.
- **Full two-way communication** with the HVAC unit: On/Off, operation mode, fan speed and setpoint temperature.
- **Time scheduling** of user modes, temperature, and operation mode.
- Compatible with **the manufacturer's thermostat**.
- Maximized **control, efficiency, and comfort** with the simplest configuration.
- **Easy to install**: Aidoo comes in a user-friendly, compact package with the simplest directions to install in a matter of minutes.





## Never too far from home with Aidoo

Control your HVAC settings **from anywhere in the world using the Airzone Aidoo app**. Access to Aidoo remotely and set the perfect temperature back home for maximum comfort.



## With Aidoo, a few words are enough

**Connect with Amazon Alexa and Google Assistant to voice control the AC unit.**

## 24/7 Smart remote diagnostics with Airtools

Receive the most up-to-date main unit parameters and error codes real time thanks to **the Airtools function of the Aidoo App**.



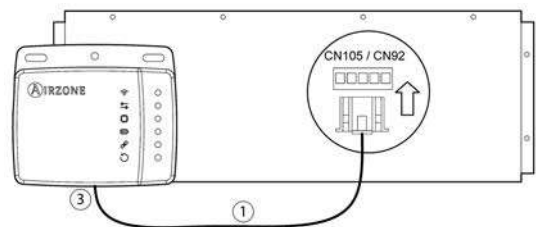
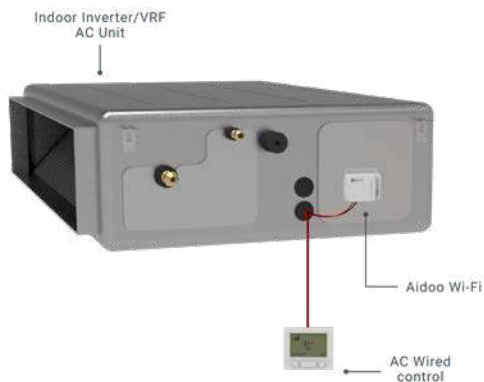
# Guidelines

## VAF ZONING SOLUTION AND AIDOO WI-FI CONTROLLER FOR MITSUBISHI ELECTRIC

Airzone VAF Zoning Solution and Aidoo Controller are **compatible with the ducted and ductless indoor units** of Mitsubishi Electric.



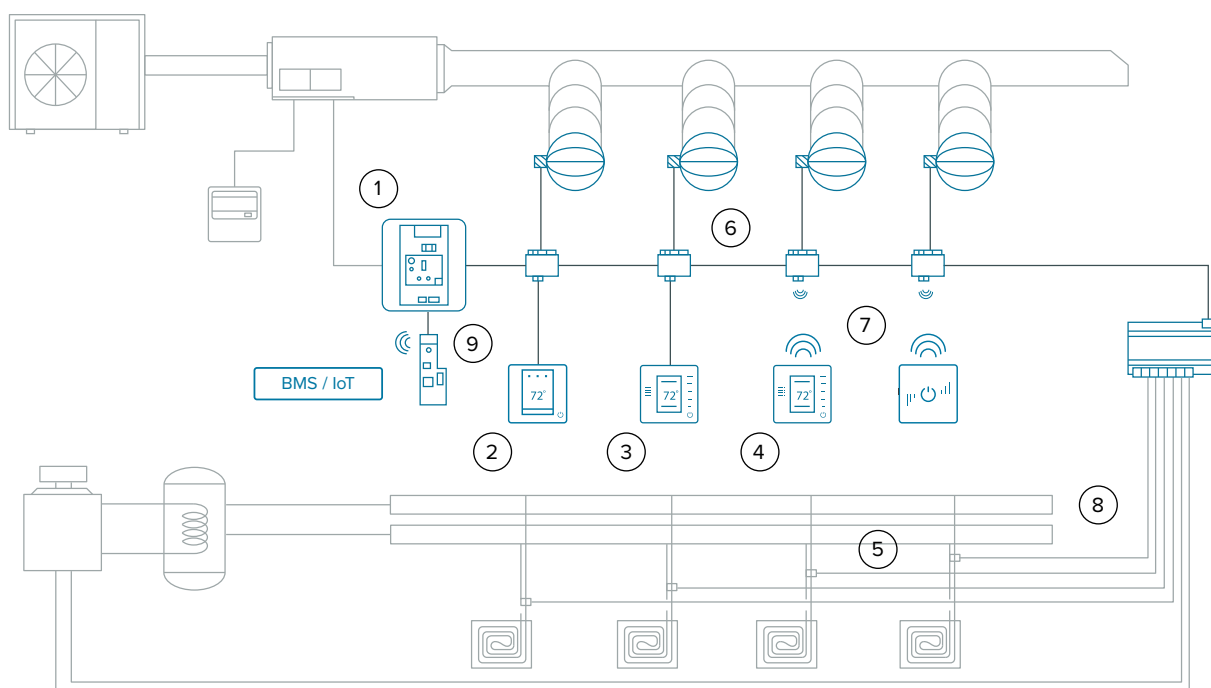
## Wiring diagram · Aidoo Wi-Fi



## VAF system composition per ducted indoor unit

1. Always select one Airzone VAF Controller with an integrated communications gateway **AZVAFR2MEL**.
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** / **AZVAFLITECB** or wireless **AZVAFTHINKRB** / **AZVAFLITERB**. 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 · VAF system



Reference	Description	Units
1	AZVAFR2MEL Airzone VAF Control board with Mitsubishi Electric 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	AZVAFWEBSCLLOUD [C/R] Airzone VAF [Ethernet/WiFi] Cloud Webserver	1



Designed &  
Manufactured in EU

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