ONEZONE VRF

Zoning solutions for **residential and commercial applications**

powered by AIRZONE

What is **zoning?**

Zoning means getting different temperatures with one single ducted unit, saving energy and simplifying the installation. The combination of Airzone zoning systems and the AC units of the leading HVAC manufactures provides superior comfort to each zone.

Independent temperatures
Independent temperature control for each room according to user's needs.

Silence
The level of noise is drastically reduced as the indoor unit is mounted in the false ceiling.

Savings
The combined performance of Airzone zoning systems and ducted AC units can achieve savings of up to 53%.

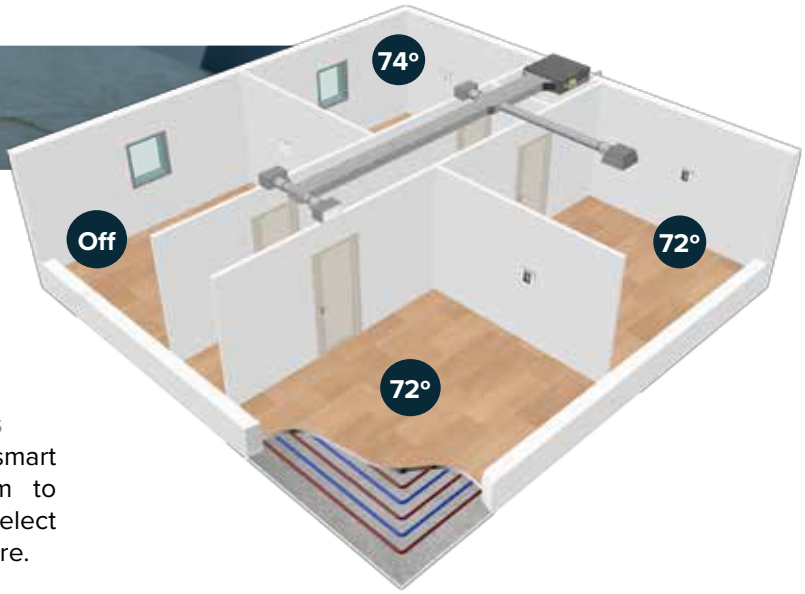
Eco-friendly
Zoning systems require less refrigerant gas to work, reducing emissions.

VRF & Inverter
Airzone systems are the only ones to work with High Efficiency Variable Capacity Units.

Air conditioning integration
It is possible to integrate the AC within the automation system (BACnet, Modbus, LonWorks, Crestron).

All types of buildings

Houses · Residential · Commercial



What is **Onezone VRF composed of?**

Airzone Controllers
A fully-equipped smart thermostat per room to allow every user to select the perfect temperature.

Main control board
One main control board with an specific integrated communication gateway per ducted AC unit.

Relay box
Each one can control up to 5 zones. Select either one or two relay boxes based on your needs.

Smart damper
One smart round damper with mechanical air-flow regulation per controlled outlet.

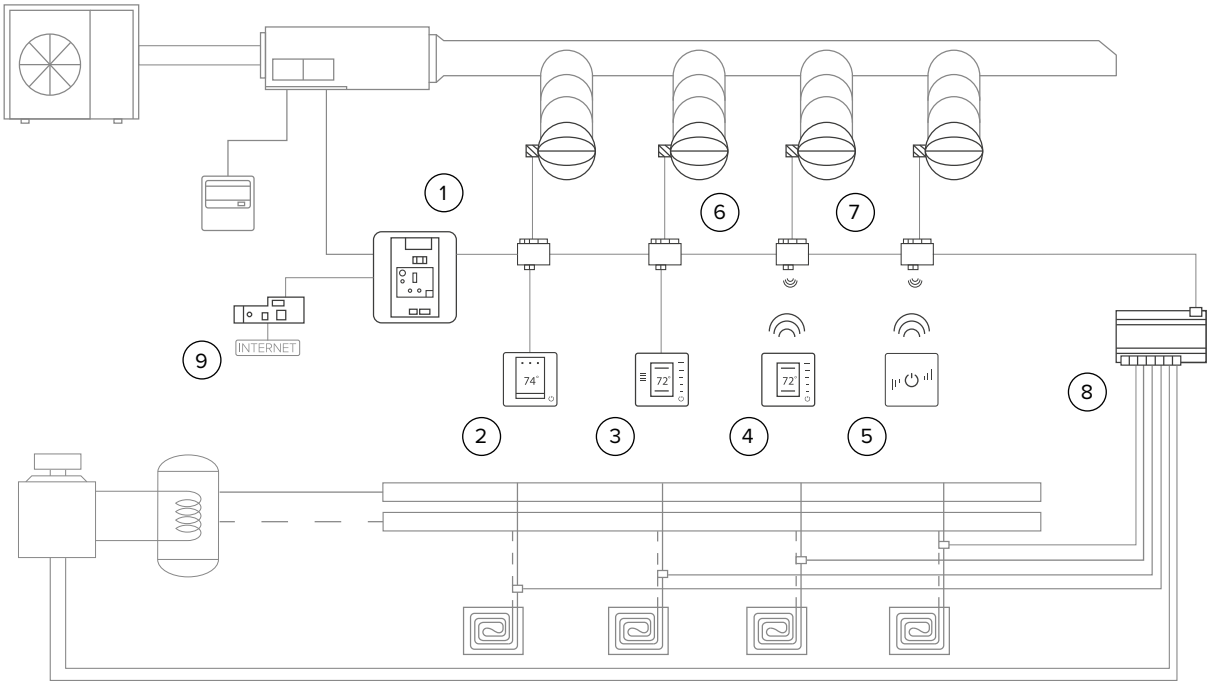
Webserver Airzone Cloud
Control via app or web browser of up to 32 systems with just one Webserver.

Guidelines

System composition per ducted indoor unit:

1. Always select one Onezone VRF Controller with an integrated communications gateway **AZVAF[XXX].**
2. Always select one Blueface Main Controller **AZVAFBLUEFCW.**
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 **AZVAFTHINKCW** or wireless **AZVAFTHINKRW**. 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.	AZVAF[XXX]	Airzone VAF System main controller + comm. gateway [XXX]	1
2.	AZVAFBLUEFCW	Airzone VAF principal controller wired Blueface	1
3.	AZVAFTHINKCW	Airzone VAF zone controller wired Think	1
4.	AZVAFTHINKRW	Airzone VAF zone controller wireless Think	1
5.	AZVAFLITERW	Airzone VAF zone controller wireless Lite	1
6.	AZVAFDAMPER[XX]C	Airzone VAF [XX] inches wired intelligent mot. round damper	2
7.	AZVAFDAMPER[XX]R	Airzone VAF [XX] inches wired intelligent mot. round damper	2
8.	AZVAF5OUTPUTS	Airzone VAF relay box supplemental heating control	1
9.	AZVAFWEBSCLOUD [C/R]	Airzone VAF Webserver Airzone Cloud [Ethernet/WiFi] connection	1

Replace [XXX] with the code corresponding to the brand:

DAI: Daikin
FUJ: Fujitsu
HAI: Haier
HIT: Hitachi RPI
HI2: Hitachi RAD
KAY: Kaysun
LGE: LG
MEL: Mitsubishi Electric
MHI: Mitsubishi Heavy
PAN: Panasonic
SAM: Samsung
TOS: Toshiba