

ONEZONE

POWERED BY

AIRZONE

ZONING SOLUTIONS FOR RESIDENTIAL
AND COMMERCIAL APPLICATIONS



WHAT IS ONEZONE VRF?

Onezone VRF is a zoning system specially developed for Inverter and VRF systems. The key element of the system is the communication gateway, a device that manages the communication between the zoning system and the indoor unit, increasing both comfort and efficiency.

WHY ZONING WITH ONEZONE?

Zoning is the ultimate AC solution as it gets different temperatures with one single ducted unit. Thanks to zoning, you will save energy and money while simplifying the installation.

Onezone VRF system provides a seamlessly integrated zoning solution for your Inverter and VRF AC installations. This integration only requires the connection of 2 wires. The zoning system will control the unit through the Communication Gateway, a device specifically designed for most VRF brands, including Toshiba, LG, Fujitsu, Hitachi, Mitsubishi, Samsung, Daikin, Panasonic, etc. In addition, Onezone VRF gathers detailed information from all the zones in order to determine the most efficient operation of the indoor unit. This way, the efficiency of the VRF installation is significantly increased

Onezone VRF sets the following parameters according to the status of each zone:

- Operation mode
- Set-point temperature
- Fan speed

Due to these functionalities, Onezone VRF does not require a bypass damper which makes this system the most efficient zoning solution for your installation.

BENEFITS



INDEPENDENT TEMPERATURES



COMPATIBLE WITH THE MAIN
AC MANUFACTURERS



ECO-FRIENDLY



SIMPLE TO INSTALL



COMPATIBLE WITH BMS
INTEGRATION



FULL CONNECTIVITY

ALL TYPES OF BUILDINGS



HOUSES



RESIDENTIAL



COMMERCIAL

WHAT IS ONEZONE VRF COMPOSED OF?

MAIN CONTROLLER

One system main control board with exclusive integrated manufacturer communication gateway per ducted AC unit.



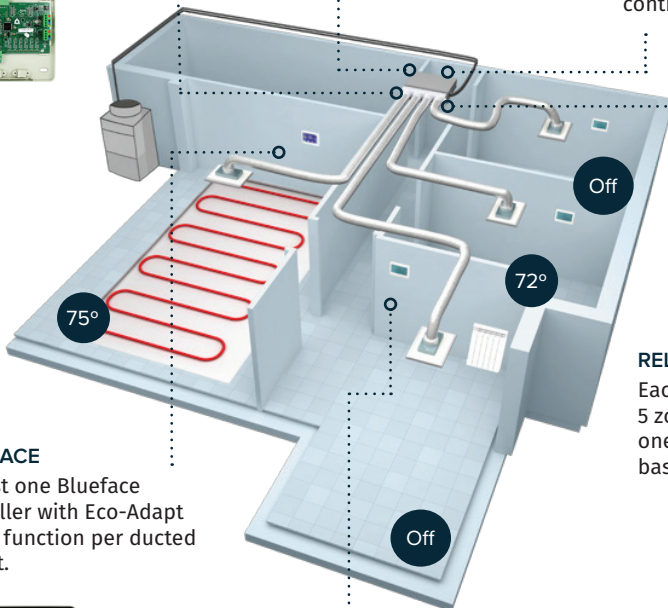
WEBSERVER

Control via App or Web browser of up to 32 systems with just one Webservice.



INTELLIGENT DAMPER

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



BLUEFACE

At least one Blueface controller with Eco-Adapt saving function per ducted AC unit.



THINK

One Think wired or wireless thermostat for each of the rest of the zones.



RELAY BOX

Each one controls up to 5 zones. Select either one or two relay boxes based on your needs.



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 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.

ONEZONE VRF SYSTEM

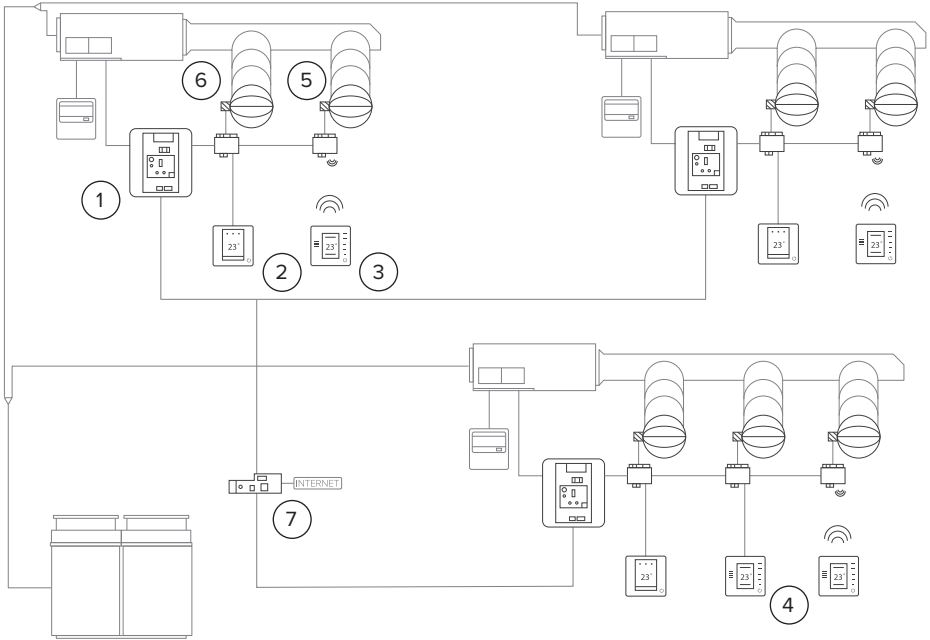
DESCRIPTION

AZVAF[XXX]*	Airzone VAF System main controller + comm. Gateway [XXX]
AZVAFBLUEFCW	Airzone VAF principal controller wired wall-mounted Blueface
AZVAFTHINKCW	Airzone VAF zone controller wired wall-mounted Think
AZVAFTHINKRW	Airzone VAF zone controller wireless wall-mounted Think
AZVAFZMC	Airzone VAF wired local module
AZVAFZMR	Airzone VAF wireless local module
AZVAF5OUTPUTS	Airzone VAF relay box radiant heat control
AZVAFWEBSCLOUDR	Airzone VAF Webserver Airzone Cloud WiFi connection
AZVAFWEBSCLOUDC	Airzone VAF Webserver Airzone Cloud Ethernet connection
AZVAFBACNETG	Airzone VAF BACnet gateway
AZVAFDAMPER06C	Airzone VAF 6 inches wired intelligent mot. round damper
AZVAFDAMPER08C	Airzone VAF 8 inches wired intelligent mot. round damper
AZVAFDAMPER10C	Airzone VAF 10 inches wired intelligent mot. round damper
AZVAFDAMPER06R	Airzone VAF 6 inches wireless intelligent mot. round damper
AZVAFDAMPER08R	Airzone VAF 8 inches wireless intelligent mot. round damper
AZVAFDAMPER10R	Airzone VAF 10 inches wireless intelligent mot. round damper

*Replace "[XXX]" with the code corresponding to the brand

VARIABLE REFRIGERANT FLOW (VRF)

Airzone VAF for Inverter/VRF Units with Communication Gateway



REFERENCE	DESCRIPTION	QTy.	
1	AZVAF[XXX]*	Airzone VAF System main controller + comm. Gateway [XXX]	3
2	AZVAFBLUEFCW	Airzone VAF principal controller wired wall-mounted Blueface	3
3	AZVAFTHINKCW	Airzone VAF zone controller wired wall-mounted Think	3
4	AZVAFTHINKRW	Airzone VAF zone controller wireless wall-mounted Think	1
5	AZAMZBSMRD06R	Onezone VRF 6 inches wireless intelligent mot. round damper	3
6	AZVAFDAMPERO6C	Airzone VAF 6 inches wired intelligent mot. round damper	4
7	AZVAFWEBSCLOU[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

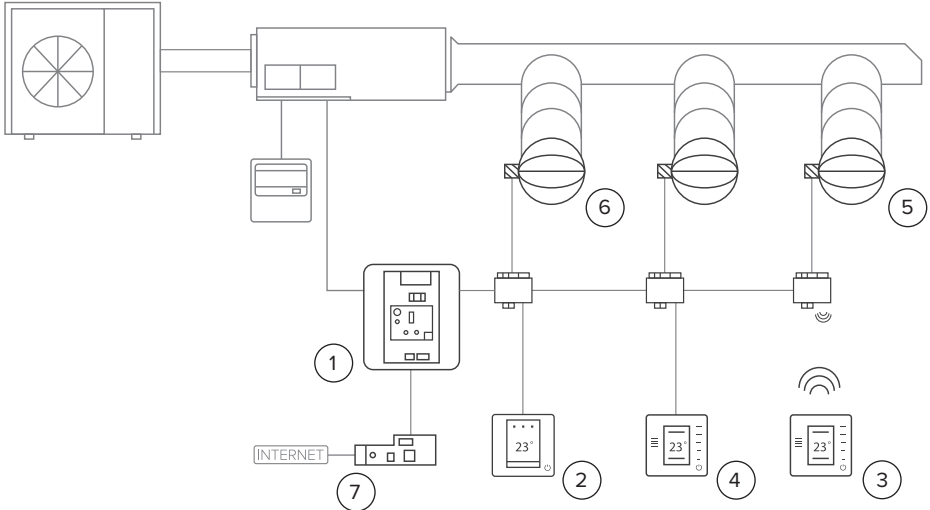
PAN = Panasonic

SAM = Samsung

TOS = Toshiba

INVERTER DIRECT EXPANSION

Airzone VAF for Inverter Direct Expansion Unit with Communication Gateway



REFERENCE	DESCRIPTION	QTy.	
1	AZVAF[XXX]*	Airzone VAF System main controller + comm. Gateway [XXX]	1
2	AZVAFBLUEFCW	Airzone VAF principal controller wired wall-mounted Blueface	1
3	AZVAFTHINKCW	Airzone VAF zone controller wired wall-mounted Think	1
4	AZVAFTHINKRW	Airzone VAF zone controller wireless wall-mounted Think	1
5	AZAMZBSMRD06R	Onezone VRF 6 inches wireless intelligent mot. round damper	1
6	AZVAFDAMPER06C	Airzone VAF 6 inches wired intelligent mot. round damper	2
7	AZVAFWEBSCLOU [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

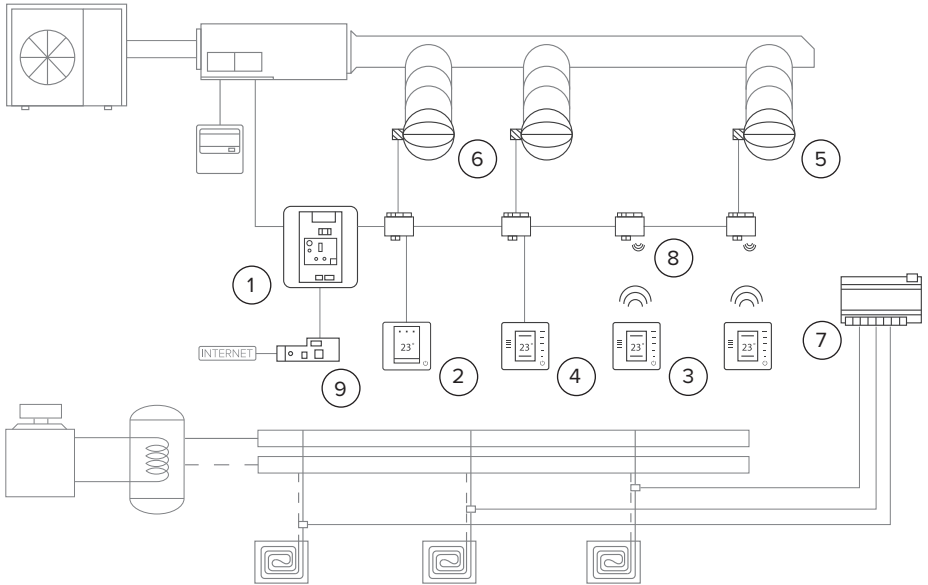
PAN = Panasonic

SAM = Samsung

TOS = Toshiba

EQUIPEMENT OF INVERTER DIRECT EXPANSION AND RADIANT ELEMENTS

Airzone VAF for Inverter Direct Expansion and radiant elements with Communication Gateway



REFERENCE	DESCRIPTION	QTy.
1	AZVAF[XXX]* Airzone VAF System main controller + comm. Gateway [XXX]	1
2	AZVAFBLUEFCW Airzone VAF principal controller wired wall-mounted Blueface	1
3	AZVAFTHINKCW Airzone VAF zone controller wired wall-mounted Think	1
4	AZVAFTHINKRW Airzone VAF zone controller wireless wall-mounted Think	1
5	AZAMZBSMRD06R Onezone VRF 6 inches wireless intelligent mot. round damper	1
6	AZVAFDAMPER06C Airzone VAF 6 inches wired intelligent mot. round damper	2
7	AZVAFWEBSCLOU[C/R] Airzone VAF Webserver Airzone Cloud[Ethernet/WiFi]connection	1
8	AZVAF5OUTPUTS Airzone VAF relay box radiant heat control	1
9	AZVAFZMC Airzone VAF wired local module	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

ONEZONE

954 · 892 · 6918
sales@onezoneusa.com
onezoneusa.com