

AZVAFDAMPER12R - Wireless Intelligent Round Damper

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:
Additional Info:	

MODEL DESCRIPTION

Motorized damper with actuator, powered at 12 VDC through the zone module, designed for precise airflow regulation. Operation is managed via a local control module with wireless communication to the zone controller, ensuring flexible and reliable integration. The system is powered directly through the Airzone connection bus and incorporates an open/closed position indicator.

Functionalities:

- Input for detection of open windows.
- Input for detection of presence.
- Probe input.
- Remote probe function and distributed probe function.
- Proportionality control and minimum air control of the dampers.



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TECHNICAL SPECS

ZONE MODULE

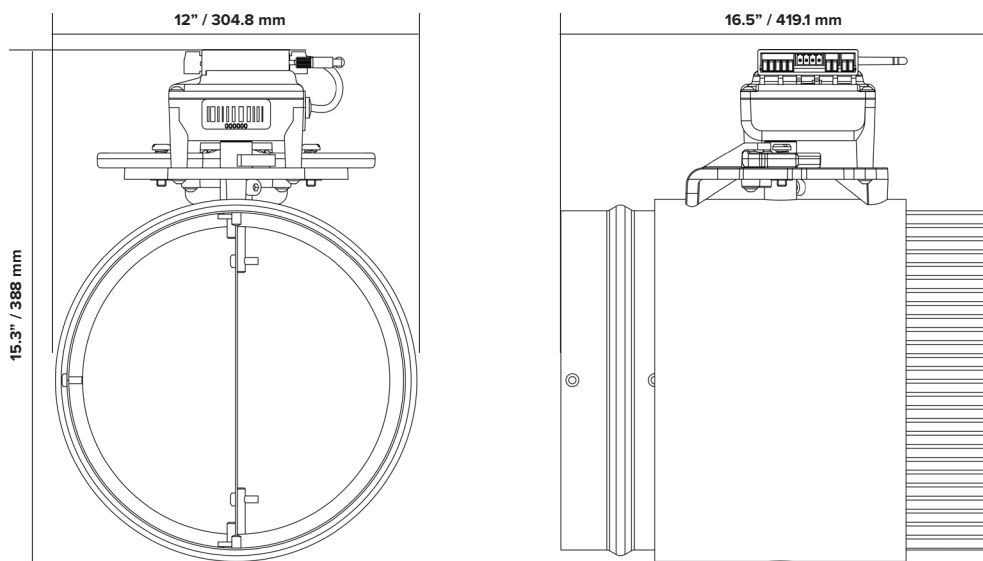
Power supply and consumption	
Type of power supply	Vdc
V max	12 V
I max	0.5 A
Stand-by consumption	0.6 W
Airzone connection bus	
Shielded and twisted Airzone bus cable	AWG 23 - 2 wired + AWG 20 - 2 wired (2 x 0,22 + 2 x 0,5 mm2)
Maximum distance	328 ft (100 m)
Wireless communications	
Radiation power	0 dBm
Maximum distance in open space	50 ft (15 m)
Digital and analog inputs	
Window and presence contacts	Voltage-free
Maximum distance	33 ft (10 m)
Analog input	NTC 10 KΩ a 25°C
Maximum distance	10 ft (3 m)

DAMPER WITH ACTUATOR

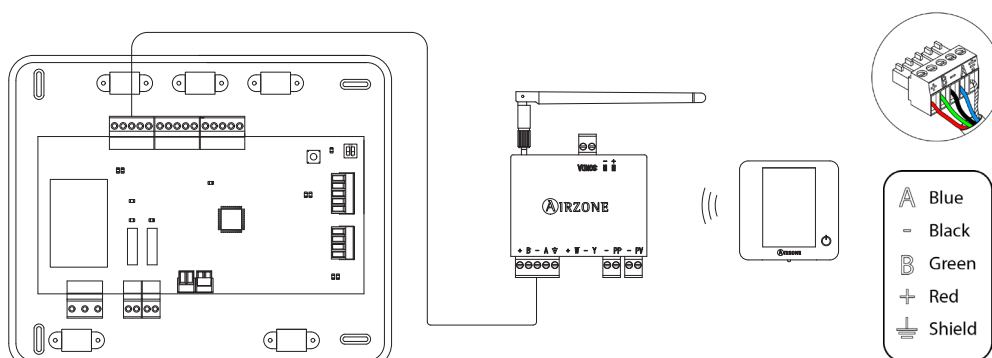
Power supply and consumption	
Type of power supply	Vdc
V max	12 V
I max	250 mA
Mechanical Aspects	
Torque at the actuator axle	0.8 Nm
Communication Frequency	
Frequency	915 MHz
Maximum Operating Height	6561.7 ft (2000 m)
Weight	7 lb (3.2 kg)

Note: The device will automatically broadcast the frequency of the region.

DIMENSIONAL DRAWINGS



INSTALLATION



Do not connect the “-” pole to the “+” terminal. It may damage the device.

SPARE PARTS

- AZVAFDAMPERACT - Damper actuator VAF
- AZVAFDAMPERZMR - Damper wireless zone module VAF

ACCESSORIES

- AZX6CBLBUS300FT - Airzone Shielded Bus Cable UL444 (2x0.22 mm² + 2x0.5 mm²; 100m / AWG 23-2 wired + AWG 20-2 wired; 300ft)



Marie Curie, 21
29590 Málaga, Spain

