

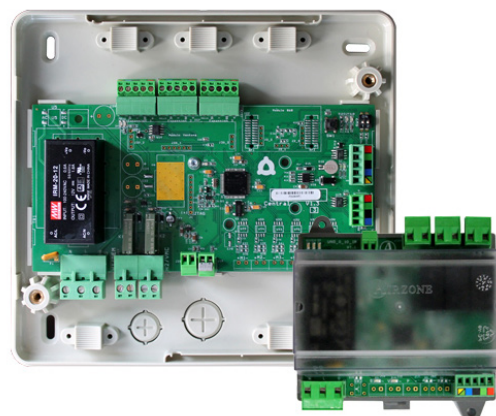
AZVAFR2F10 - Control board + 0-10 V Fan coil gateway

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

MODEL DESCRIPTION

Configurable electronic board with a 0-10 V Fan coil control gateway, that controls the system through wired and wireless devices. Externally powered at 110/230 Vac. Wall mounted. Functionalities:

- Controls the status of the thermostats (up to 10 zones).
- Controls the proportionality and the minimum air supply of the dampers.
- Control of optional auxiliary heat (up to two stages).
- Management of the control gateway.
- Communication with units of integral control of the installation.
- Communications with other external control systems through integration bus.



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TECHNICAL SPECS

CONTROL BOARD TECHNICAL SPECS

Power supply and consumption	
Type of power supply	Vac
V max	110 / 230 Vac
I max	250 mA
Frequency	60 / 50 Hz
Stand-by consumption	400 mW
Module over-current protection	250 mA
Airzone connection bus	
N° of ports	3
Shielded twisted pair	AWG 23 - 2 wired + AWG 20 - 2 wired (2 x 0.22 + 2 x 0.5 mm ²)
V max	12 V
AC unit bus	
N° of ports	1
Shielded twisted pair	AWG 20 - 4 wired (2 x 0.22 + 2 x 0.5 mm ²)
V max	12 V

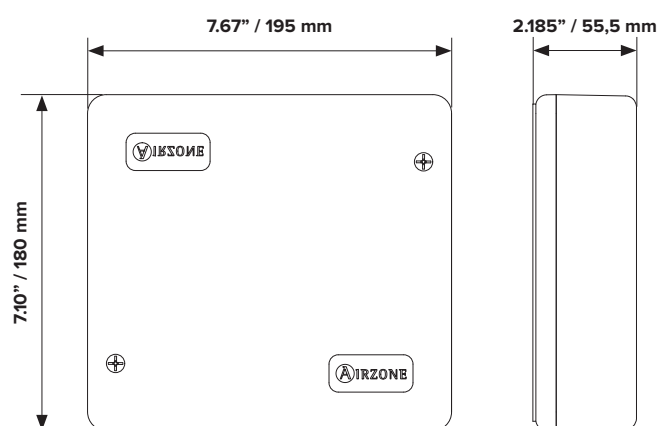
Automation bus	
N° of ports	1
Shielded twisted pair	AWG 20 - 4 wired (2 x 0.22 + 2 x 0.5 mm ²)
Communications protocol	MODBUS RS-485 Par - 19200 bps
Relay outputs	
N° of relays	2
V max	48 V
I max	1 A
Digital inputs	
N° of inputs	1
State	Voltage-free
Protection by probe	
Type of probe	NTC
Reading accuracy	1 °F (0.1°C)
Operating temp.	
Storage	- 4 ... 158 °F (- 20 ... 70 °C)
Operation	32 ... 113 °F (0 ... 45 °C)
Mechanical aspects	
Protection class	IP 20
Weight	1.36 lb (616 g)
Maximum operating height	6561.68 ft (2000 m)

0-10 V FAN COIL CONTROL GATEWAY TECHNICAL SPECS

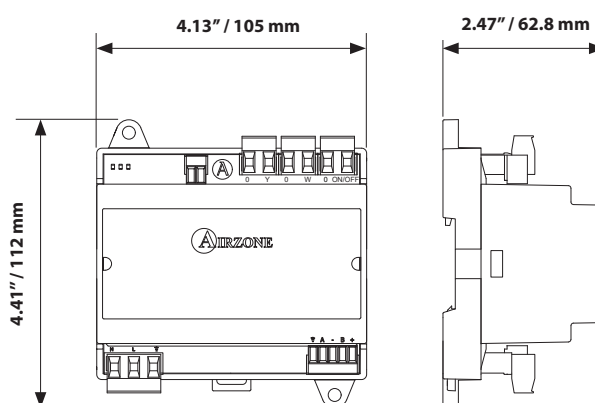
Power supply and consumption	
Type of power supply	Vac
V max	110/230 V
I max	50 mA
Frequency	50/60 Hz
Maximum consumption	11.5 W
AC unit bus	
Shielded twisted pair	AWG 23 - 2 wired (2 x 0.22 mm ²)
V max	12 V
Activation relays	
N° Outputs	3
V max	110 / 230 Vac 30 Vdc
I max	10 A cos Θ ($\Theta > 0,6$)
Fan control	
V min	1 V
V max	10 V
Mechanical aspects	
Assembly	On DIN rail or on wall
In DIN units	6

DIMENSIONAL DRAWINGS

CONTROL BOARD DIMENSIONAL DRAWINGS

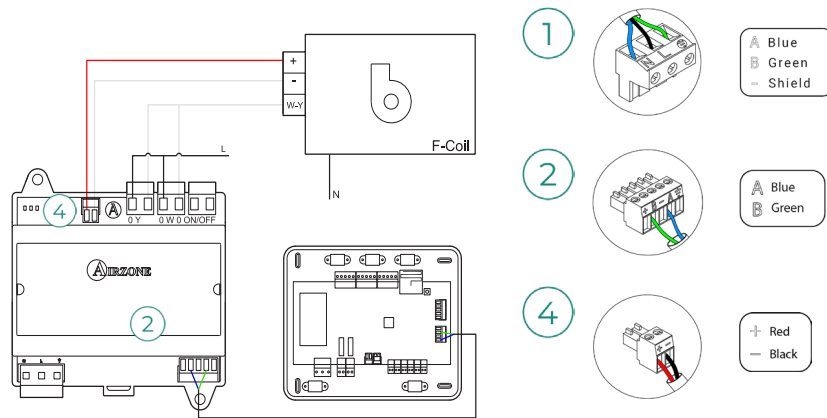


0-10 V FAN COIL CONTROL GATEWAY DIMENSIONAL DRAWINGS

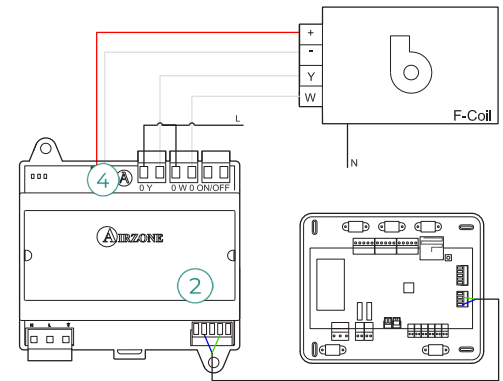


INSTALLATION

2-pipe installation



4-pipe installation



SPARE PARTS

- AZVAFGTF10 - 0-10 V Fan coil control gateway

ACCESSORIES

- AZX6CBLBUS300FT - Airzone bus cable



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