

AZAI6WSPFAN- Aidoo Pro Wi-Fi Fancoil

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

MODEL DESCRIPTION

Device to manage and integrate fancoil units remotely from the Cloud. Online control with the "Airzone Cloud" App (available for iOS and Android). Wireless Wi-Fi connection. Externally powered at 110 / 230 Vac. Mounted on DIN rail.

Features:

- Control of the parameters of the unit.
- Dual Wi-Fi communications (2.4/5 GHz).
- Possibility of integration via Local API and Cloud API.
- Communication errors detection.
- Temperature and operating mode time schedules.
- Multi-user and multi-session.
- Port for integration via Modbus/BACnet protocol.
- 2 relays for control of solenoid valves on demand.
- 3 relays for control of up to 3 speeds.
- 3 0-10 V outputs for control of cooling valve, heating valve and fan.
- 3 digital inputs for open window detection, occupancy detection and Eco mode.
- 3 analogue probe inputs for measuring room temperature, heating battery temperature and cooling battery temperature.



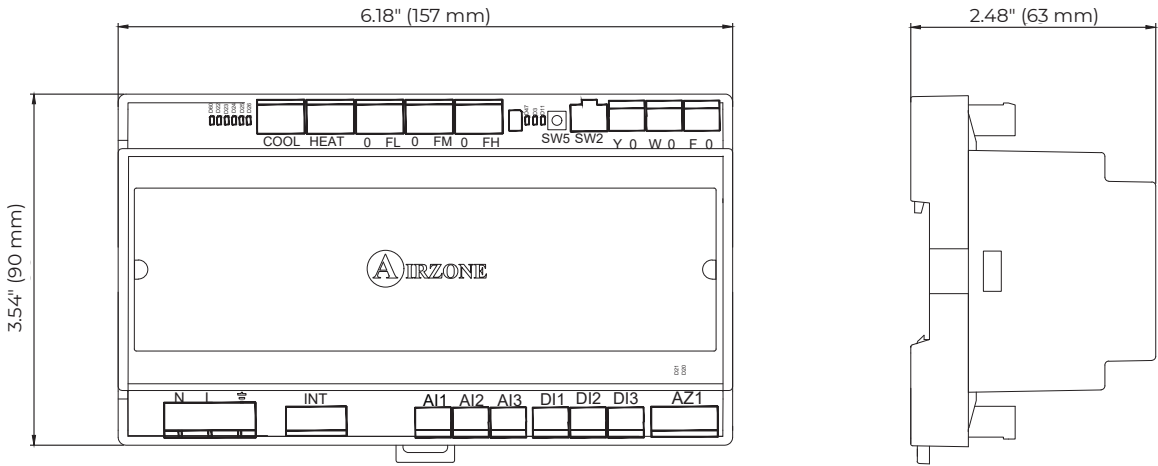
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TECHNICAL SPECS

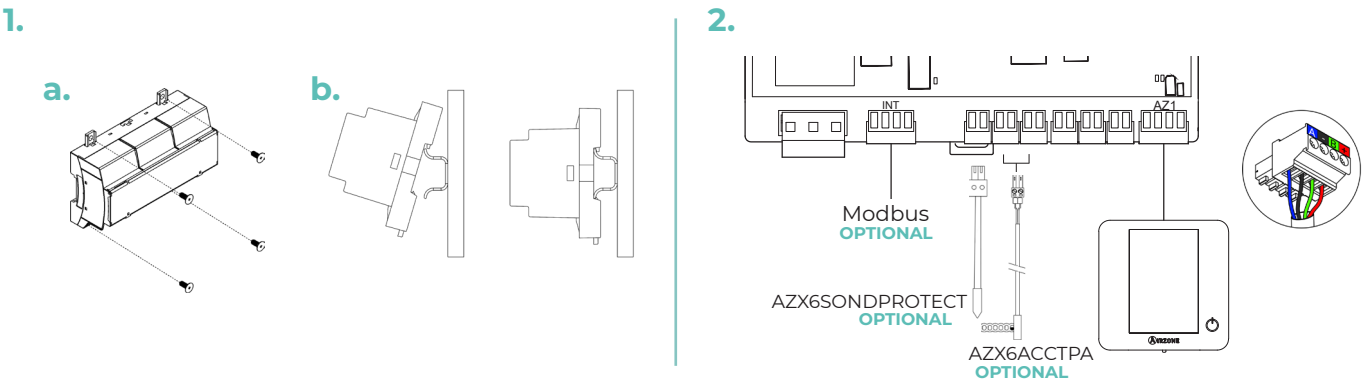
Power supply and consumption	
V max	110 / 230 Vac
I max	250 mA
V max	50 / 60 Hz
Consumption	Stand-by: 4.5 W / Max. 20 W
Module over-current protection	250 mA
Wi-Fi Communication	
Protocol	Wi-Fi – CERTIFIED TM 802.11a/b/g/n/ac
Model	LBEE5HY1MW
Communication frequency	2.4 GHz (max. 150 Mbps) 5 GHz (max. 433 Mbps)
Maximum power-Antenna power	19.5 dBm
Sensitivity	-82 dBm
IP address	DHCP
Bluetooth Communication	
Protocol	Bluetooth v5.0 EDR and BLE specification
Bluetooth class	Class-1, class-2 and class-3 transmitter
COOL-HEAT-FL-FM-FH	
V max	110 / 230 Vac
I max	5 A cos θ ($\theta > 0,6$)
Y O-W O-F O	
V min	1 Vdc

INT	
Shielded twisted pair	2 x AWG 23 + 2 x AWG 20 (2 x 0.22 + 2 x 0.5 mm ²)
Communications protocol	MODBUS RS-485 Par – 19200 bps / BACnet MS-TP
Maximum distance	328 ft (100 m)
Vmax	12 Vdc
I max	150 mA
AI1-AI2-AI3	
Maximum distance	9.84 ft (3 m)
NTC 10 k Ω a 25°C	
DI1-DI2-DI3	
Maximum distance	32.8 ft (10 m)
AZI	
Shielded twisted pair	2 x AWG 23 + 2 x AWG 20 (2 x 0.22 + 2 x 0.5 mm ²)
Operating temperatures	
Storage	-4 ... 158 °F (-20 ... 70 °C)
Operation	32 ... 113 °F (0 ... 45 °C)
Operating humidity range	5 ... 90% (non-condensing)
Mechanical aspects	
Weight	0.29 lb (130 g)
In DIN units	9

DIMENSIONAL DRAWINGS

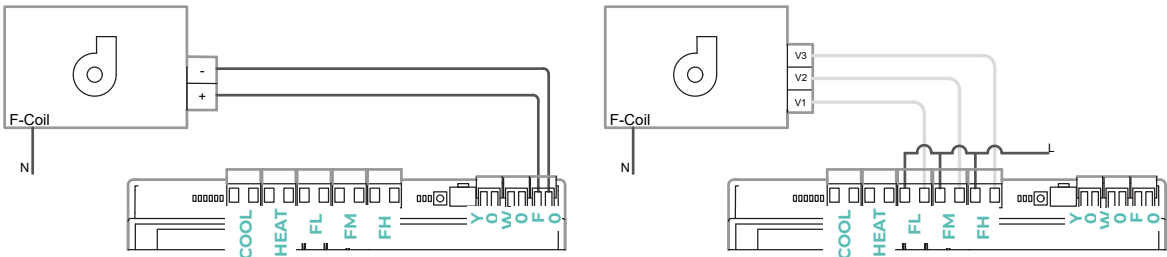


INSTALLATION



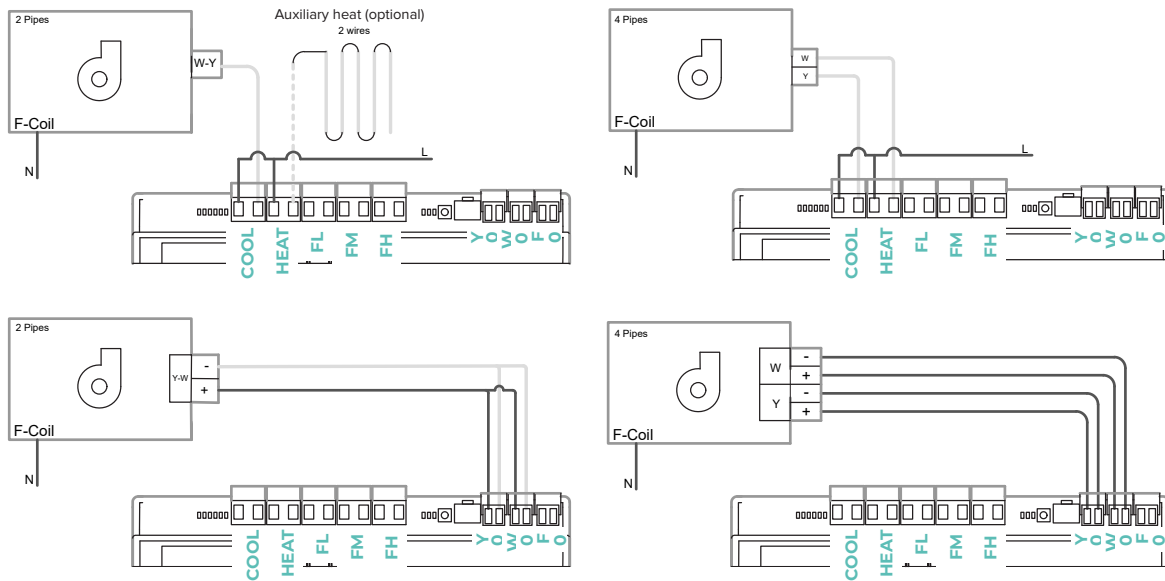
3.

a. SPEEDS

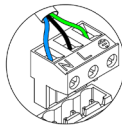
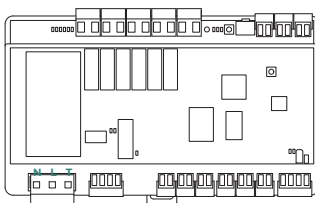


b.

MODES



4.



Important: The equipment shall be supplied by a limited power source meeting class PS2 of the standard IEC 62368-1.

SPARE PARTS

- AZX6ACCTPA - Airzone clamp-on temperature probe (X6)

ACCESSORIES

- AZX6CBLBUS300FT - Airzone Shielded Bus Cable UL444 (AWG 23-2 wired + AWG 20-2 wired; 300ft)
- AZX6SONDPROTEC - Airzone temperature metallic probe in sheath



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