

AZAI6WSPSH1 - Aidoo Pro Wi-Fi SHARP

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

MODEL DESCRIPTION

Device to manage and integrate units remotely from the Cloud. Online control with the "Airzone Cloud" App (available for iOS and Android). Wireless Dual Wi-Fi connection (2.4/5 GHz). Self-powered by external power supply provided. Features:

- Unit control and error detection.
- Configurable digital input for open window detection or occupancy presence.
- Auxiliary heat control and heat source locking.
- Automatic change of the operation mode with the adjustment of two set-point temperatures.
- Temperature limitation for cooling and heating modes.
- Status, temperature, mode and speed time schedules.
- Cloud and/or wired integration with third-party smart thermostats (3PI).
- Integration: Modbus RTU/TCP or BACnet MS-TP/IP, Airzone thermostat, Lutron Palladiom thermostat, AirQ Box and AirQ Sensor.
- Local API and Cloud API integration services, mDNS multicast.



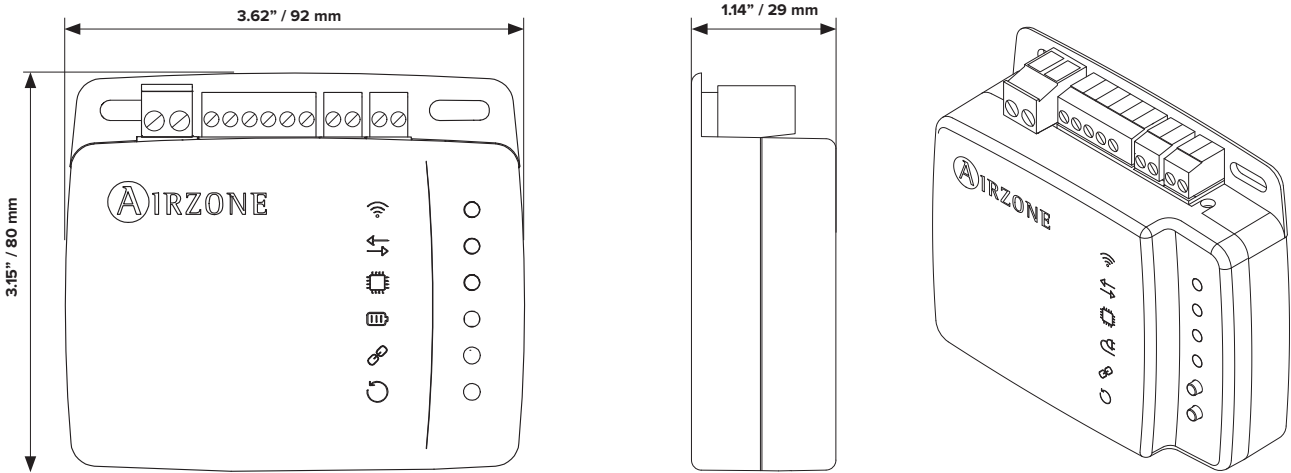
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TECHNICAL SPECS

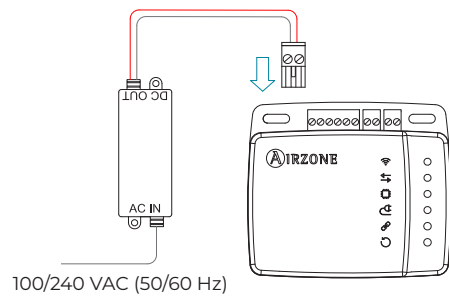
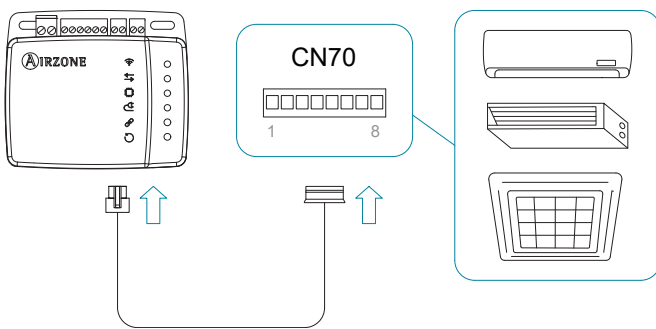
RS485 Port	
Communication protocol	RS-485 BACnet MS-TP Par – 19200 bps
Shielded twisted pair	AWG 24 – 2 wired + AWG 20 – 1 wired 2 x 0.20 + 1 x 0.5 mm ² Min: 0.2 mm ² / Máx: 1.5 mm ²
Connection to indoor unit	
Max. distance	32.8 ft (10 m)
Digital input	
State	Voltage-free
Max. distance	32.8 ft (10 m)
Relay output	
V max / I max	12 V / 1 A
3PTI Bus	
N° of pins	6 (RC, RH, W, Y, G, C)
Max. distance	8.2 ft (2.5 m)
Power supply and consumption	
Type of power supply	Vdc
V in	12 - 16 V
V max / I max	18 V / 2 A
Consumption	1.85 W

WI-FI	
Protocol	WI-FI – CERTIFIED TM 802.11a/b/g/n/ac (802.11n up to 150 Mbps)
Model	LBEE5HY1MW
Communication frequency	2.4 GHz (max. 150 Mbps) 5 GHz (max. 433 Mbps)
Max. power, Antenna power	17.93 dBm, 0.1 dBi
Sensitivity	- 82 dBm
IP address	DHCP
Bluetooth	
Protocol	Bluetooth v5.0 EDR and BLE specification
Bluetooth class	Class-1, class-2 and class-3 transmitter
Operating temp.	
Storage	- 4 ... 158 °F (- 20 ... 70 °C)
Operation	32 ... 113 °F (0 ... 45 °C)
Operating humidity range	5 ... 90 % (non-condensing)
Mechanical aspects	
Maximum operating height	6561.68 ft (2000 m)
Protection class	IP 41
Weight	0.29 lb (130 g)

DIMENSIONAL DRAWINGS



INSTALLATION



Important: To power the Aidoo Pro device use the supplied power supply. Use only one power supply per device. It is recommended that the wiring of the digital inputs be routed through a separate conduit.

SPARE PARTS

- AZPV8WIRE27 - Connection to Indoor unit 8.2 ft (2.5 m) / AWG 24 - 6 wired (6x0.2 mm²)
- AZAI6ACCPow - Aidoo 12V Airzone Power Supply

ACCESSORIES

- AZPV8WIREU - Universal 6-pin 8.2 ft (2.5 m) extension cable for Airzone gateway / Aidoo
- AZAI6BLUEZEROC - Airzone Aidoo Pro Blueface Zero color thermostat wired



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