

AZAI6WP2MEL - Aidoo Pro STI Mitsubishi Electric

| | |
|------------------|---------------|
| 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). Powered by an external 24 VAC power supply unit that is not included. 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 wired integration with third-party smart thermostats (3PI).
- Integration via Modbus RTU/TCP or BACnet MS-TP/IP.
- Local API and Cloud API integration services, mDNS multicast.

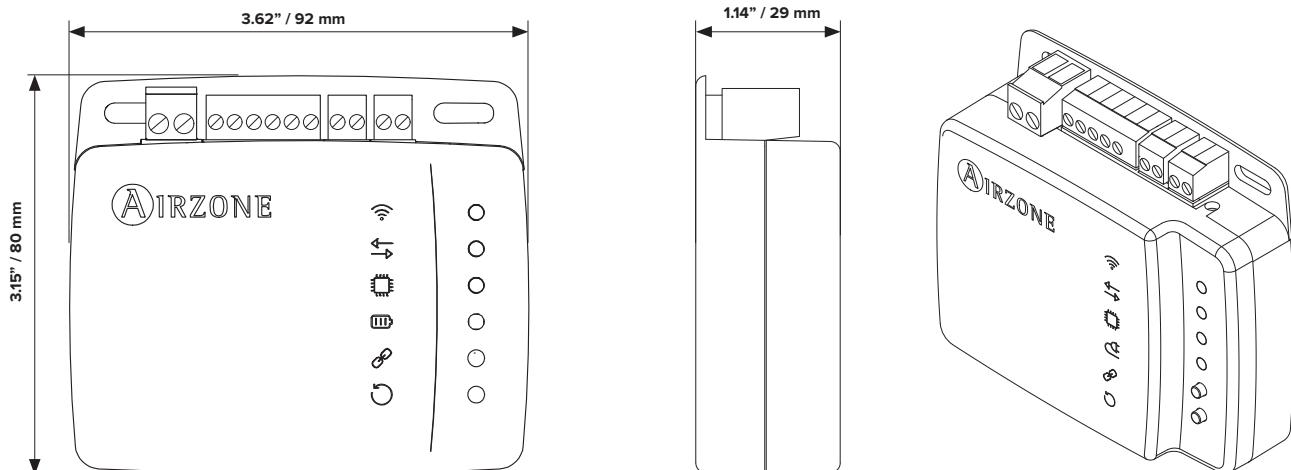


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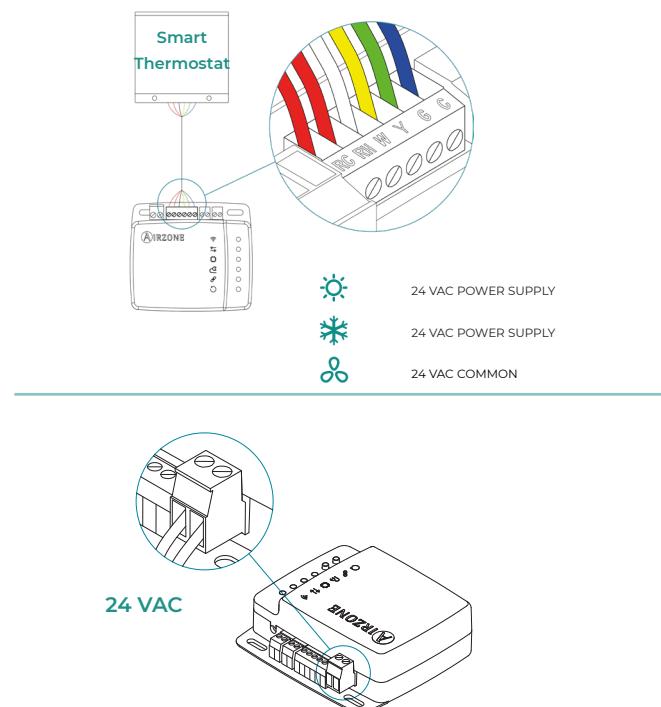
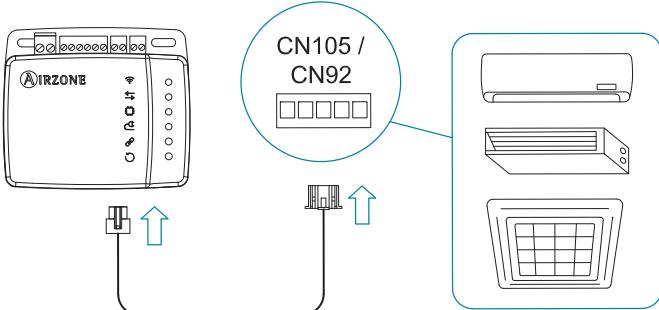
TECHNICAL SPECS

| RS485 Port | | WI-FI | |
|------------------------------|--|---------------------------|--|
| Communication protocol | RS-485 BACnet MS-TP Par – 19200 bps | Protocol | WI-FI – CERTIFIED TM 802.11a/b/g/n/ac (802.11n up to 150 Mbps) |
| Shielded twisted pair | AWG 23 – 2 wired + AWG 20 – 1 wired 2 x 0.22 + 1 x 0.5 mm ² Min: 0.2 mm ² / Máx: 1.5 mm ² | Model | LBEE5HY1MW |
| Connection to indoor unit | | Digital input | |
| Max. distance | 32.8 ft (10 m) | Communication frequency | 2.4 GHz (max. 150 Mbps) 5 GHz (max. 433 Mbps) |
| State | Voltage-free | Max. power, Antenna power | 17.93 dBm, 0.1 dBi |
| Max. distance | 32.8 ft (10 m) | Sensitivity | - 82 dBm |
| State | Voltage-free | IP address | DHCP |
| 3PTI Bus | | Bluetooth | |
| Nº of pins | 6 (RC, RH, W, Y, G, C) | Protocol | Bluetooth v5.0 EDR and BLE specification |
| V out (RC, RH, C) | 24 VAC | Bluetooth class | Class-1, class-2 and class-3 transmitter |
| Max. distance | 8.2 ft (2.5 m) | Operating temp. | |
| Power supply and consumption | | Storage | - 4 ... 158 °F (- 20 ... 70 °C) |
| Type of power supply | VAC | Operation | 32 ... 113 °F (0 ... 45 °C) |
| V in | 24 VAC | Operating humidity range | 5 ... 90 % (non-condensing) |
| V max / I max | 30 VAC / 0.35 A | Mechanical aspects | |
| Frequency | 60 Hz | Maximum operating height | 6561.68 ft (2000 m) |
| Consumption | 2.68 W | Protection class | IP 41 |
| | | Weight | 0.29 lb (130 g) |

DIMENSIONAL DRAWINGS



INSTALLATION



Important: Use only one power supply per device and be sure to connect it exclusively to the terminal designated for the power supply. The device will supply power to the smart thermostat connected through the 3PTI bus; **do not** wire any other source on the thermostat terminals.

SPARE PARTS

- AZPV8WIRE05010 - Connection to Indoor unit 3.28 ft (1 m) / AWG 24 - 6 wired (6x0.2 mm²)

ACCESORIES

- AZPV8WIREU - Universal 6-pin 8.2 ft (2.5 m) extension cable for Airzone gateway / Aidoo



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