

## AZAI6WSPMD4 - Aidoo Pro Wi-Fi Midea / Kaysun V5 (HAHB)

|                  |               |
|------------------|---------------|
| 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.



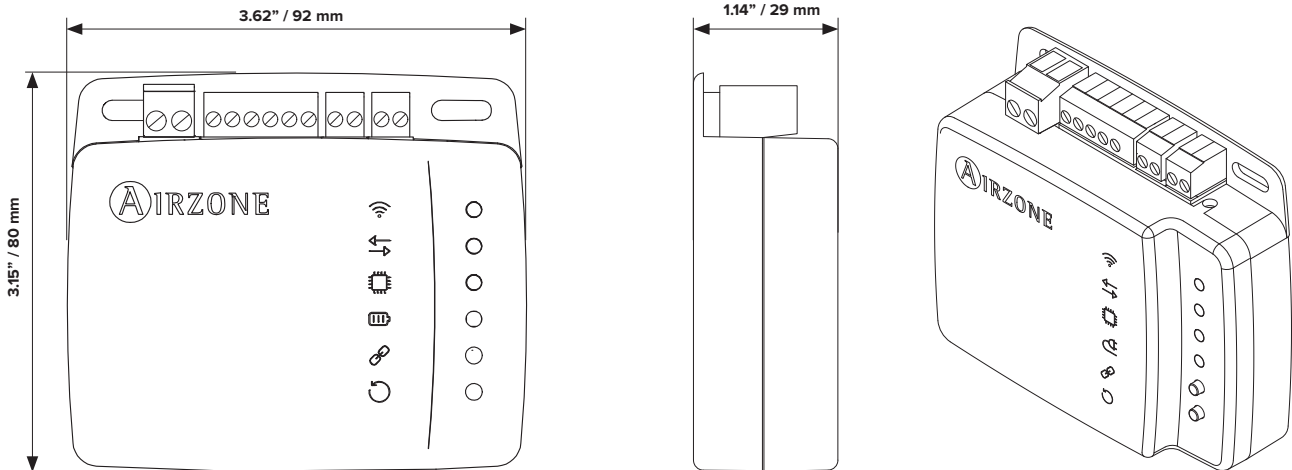
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### TECHNICAL SPECS

| RS485 Port                   |                                                                                                                                  |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Communication protocol       | RS-485<br>BACnet MS-TP<br>Par – 19200 bps                                                                                        |
| Shielded twisted pair        | AWG 23 – 2 wired + AWG 20 – 1 wired<br>2 x 0.22 + 1 x 0.5 mm <sup>2</sup><br>Min: 0.2 mm <sup>2</sup> / Máx: 1.5 mm <sup>2</sup> |
| 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                                                                                                                           |

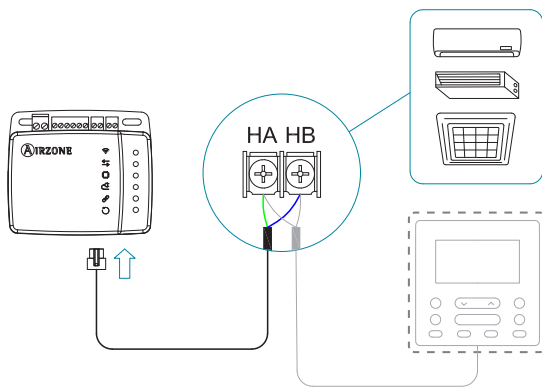
| WI-FI                     |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| Protocol                  | WI-FI – CERTIFIED TM<br>802.11a/b/g/n/ac<br>(802.11n up to 150 Mbps) |
| Model                     | LBEE5HY1MW                                                           |
| Communication frequency   | 2.4 GHz (max. 150 Mbps)<br>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



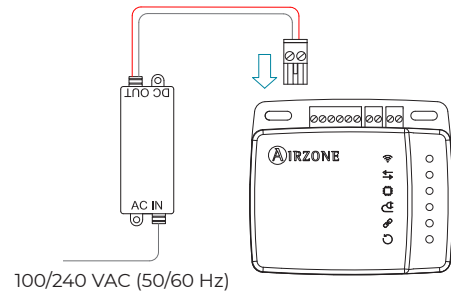
## INSTALLATION

(EN) The only compatible manufacturer's wired control is KJR-120X or equivalent.



HA: Green

HB: Blue



**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

- AZPV8WIRE10 - Connection to Indoor unit 8.2 ft (2.5 m) / AWG 24 - 6 wired (6x0.2 mm<sup>2</sup>)
- 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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