EN AIDOO PRO HUB MITSUBISHI ELECTRIC

Device for remote control and integration of HVAC systems through the “Airzone Cloud” app. Dual-band Wi-Fi connection (2.4/5 GHz) or Ethernet. External power supply at 110 / 230 Vac.

Features:

- Error detection for connected units.
- Open window and occupancy detection.
- Auxiliary heat source control and lockout.
- Combined control of air and radiant heating stages.
- Automatic mode switching with two configurable set-point temperatures.
- Temperature limitation for cooling and heating modes.
- Time schedules.
- Cloud and/or wired integration with third-party smart thermostats.
- Integration via Modbus TCP/IP and RTU, BACnet IP and MS-TP, Airzone or Lutron Palladiom thermostats.
- Local API, Cloud API, and multicast mDNS integration services.

ES AIDOO PRO HUB MITSUBISHI ELECTRIC

Dispositivo para el control e integración remotos de equipos de climatización a través de la App “Airzone Cloud”. Conexión a red vía Wi-Fi Dual (2.4/5 GHz) o Ethernet. Alimentación externa a 110 / 230 Vac.

Funcionalidades:

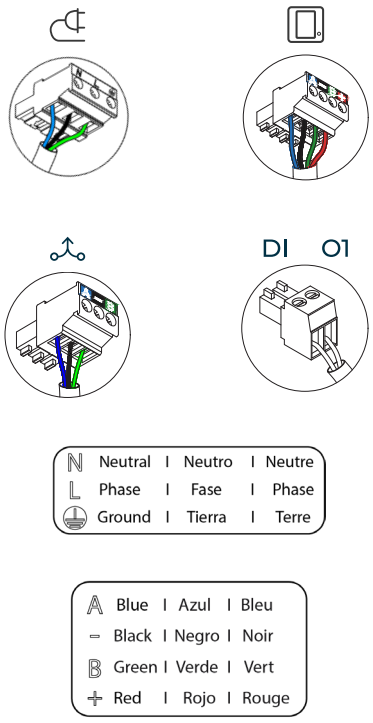
- Detección de errores de la unidad.
- Detección de ventana abierta o presencia.
- Control y bloqueo de fuentes de calor auxiliares.
- Control combinado de etapas de calor de aire y radiante.
- Cambio de modo automático con dos temperaturas de consigna configurables.
- Limitación de temperaturas para modos frío y calor.
- Programaciones horarias.
- Integración Cloud y/o cableada con termostatos inteligentes de terceros.
- Integración mediante Modbus TCP/IP y RTU, BACnet IP y MS-TP, termostatos Airzone o Lutron Palladiom.
- Servicios de integración API local, API Cloud y multicast mDNS.

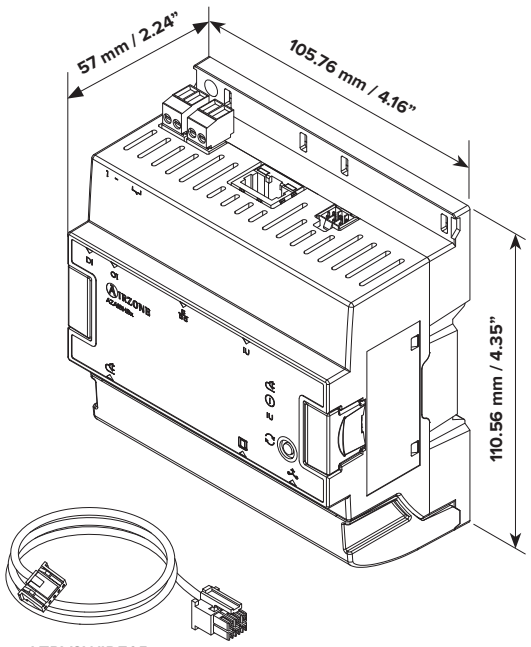
FR AIDOO PRO HUB MITSUBISHI ELECTRIC

Dispositif pour le contrôle et l’intégration à distance d’unités de chauffage et refroidissement grâce à l’application « Airzone Cloud ». Connexion au réseau par Wi-Fi Double (2,4/5 GHz) ou Ethernet. Alimentation externe 110 / 230 Vac.

Fonctionnalités :

- Détection des erreurs de l’unité.
- Détection de fenêtre ouverte ou de présence.
- Contrôle et blocage des sources de chaleur auxiliaires.
- Contrôle combiné des étapes de chaleur d’air et par rayonnement.
- Changement de mode automatique avec deux températures de consigne configurables.
- Limitation des températures pour les modes refroidissement et chauffage.
- Programmations horaires.
- Intégration dans le cloud et/ou câblée avec des thermostats intelligents de tiers.
- Intégration via Modbus TCP/IP et RTU, BACnet IP et MS-TP, thermostats Airzone ou Lutron Palladiom.
- Services d’intégration API local, API Cloud et multicast mDNS.





AZPV8WIRE05
2.5 m (8.2 ft) / 6x0.2 mm²

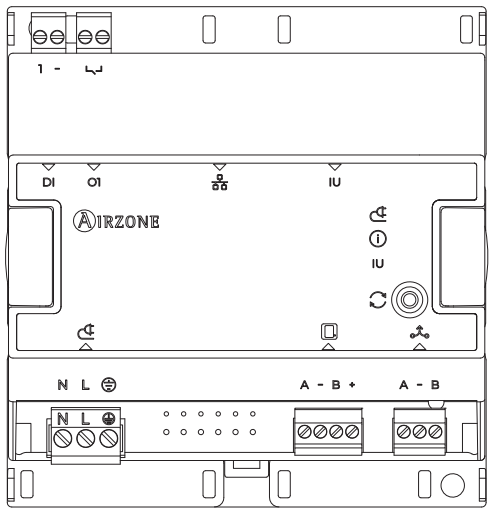
AZAI8HB2MEL

AZAI8HB

Contains FCC ID: VPYLBEE5hY1MW
Contains IC: 772C-LBEE5hY1MW

FTAZAI8H2MELD03

EN ES FR



(EN) TECHNICAL SPECS
(ES) CARACTERÍSTICAS TÉCNICAS
(FR) CARACTÉRISTIQUES TECHNIQUES

- Power supply / Alimentación / Alimentation	
V max	110 / 230 Vac
I max	250 mA
Frequency / Frecuencia / Fréquence	60 / 50 Hz
Stand-by consumption / Consumo Stand-by Consommation Stand-by	3.4 W (110 Vac) 4.3 W (230 Vac)
Module over-current protection / Protección sobre corriente módulo / Protection contre surtension	250 mA
- Airzone bus / Bus Airzone / Bus Airzone	
- Integrations bus / Bus Integraciones / Bus Intégrations	
Shielded twisted pair Cable apantallado y trenzado Câble torsadé et blindé	2 x 0.22 + 2 x 0.5 mm² (AWG 24 – 2 wired + AWG 20 – 2 wired) 2 x 0.22 + 1 x 0.5 mm² (AWG 24 – 2 wired + AWG 20 – 1 wired) Min: 0.2 mm² / Max: 1.5 mm²
Communications protocol / Protocolo de comunicaciones / Protocole de communication	RS-485 BACnet MS-TP Par – 19200 bps
DI - Digital input / Entrada digital / Entrée numérique	
Voltage-free / Libre de tensión / Libre de tension	
Max. distance / Distancia máx. / Distance max.	10 m (32.8 ft)
O1 - Relay output / Salida de relé / Sortie relais	
Voltage-free / Libre de tensión / Libre de tension	
V max (I max)	230 Vac (5A) 30 Vdc (3A)
- Ethernet	
Type of cable / Tipo de Cable / Type de câble	Min. UTP CAT 5
Standard / Norma / Norme	100BASE-TX
IP address / Dirección IP / Adressage IP	DHCP
IU - Connection to indoor unit / Conexión con unidad interior Connexion avec l’unité intérieure	
Max. distance / Distancia máx. / Distance max.	10 m (32.8 ft)
Wi-Fi	
Protocol / Protocolo / Protocole	802.11a/b/g/n/ac (802.11n up to 150 Mbps)
Model / Modelo / Modèle	LBEE5HY1MW
Communication frequency / Frecuencia de comunicación / Fréquence de communication	2.4 GHz (max. 150 Mbps) 5 GHz (max. 433 Mbps)
Max. power, Antenna power / Potencia máx., Potencia antena / Force max., Force de l’antenne	17.93 dBm, 0.1 dBi
Sensitivity / Sensibilidad / Sensibilité	- 82 dBm
IP address / Dirección IP / Adressage IP	DHCP
Bluetooth	
Protocol / Protocolo / Protocole	Bluetooth v5.0 BLE specification
Max. power, Antenna power / Potencia máx., Potencia antena / Force max., Force de l’antenne	5.46 dBm, 0.1 dBi
Operating temp. / Temp. operativas / Temp. opérative	
Storage / Almacenaje / De stockage	- 20 ... 70 °C (- 4 ... 158 °F)
Operation / Funcionamiento / De fonctionnement	0 ... 45 °C (32 ... 113 °F)
Operating humidity range Rango de humedad de funcionamiento Plage d’humidité de fonctionnement	5 ... 90 % (non-condensing)
Mechanical aspects / Aspectos mecánicos / Aspects mécaniques	
Protection class / Grado de protección Degré de protection	IP 20
Weight / Peso / Poids	210 g (0.46 lb)
In DIN units / Unidades DIN / En unités DIN	6
Max. operating height / Altura máx. de funcionamiento / Hauteur max. fonctionnement	2000 m (6561.68 ft)

FCC / ISED

This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Corporacion Empresarial Altra S.L. has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to co rrect the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003. / Cet appareil numérique de classe B est conforme à la norme canadienne NMB-003.

airzonecontrol.com

Marie Curie, 21
29590 Málaga, Spain

(EN) ASSEMBLY AND CONNECTION / (ES) MONTAJE Y CONEXIÓN / (FR) MONTAGE ET CONNEXION

(EN) ***Important:*** *It is recommended to maintain an alternative control of the unit for situations in which connection to the network is lost.*
(ES) ***Importante:*** *Se recomienda mantener un control alternativo de la unidad para situaciones de pérdida de conexión a la red.*
(FR) ***Attention :*** *Il est recommandé de prévoir un autre moyen de contrôle de l'unité en cas de perte de connexion au réseau.*

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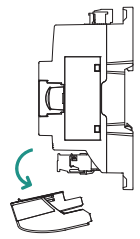

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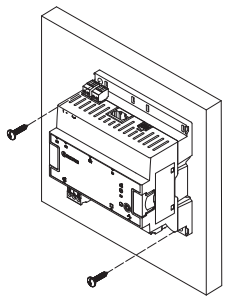
a.



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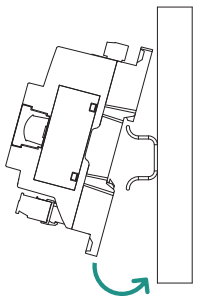

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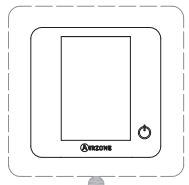
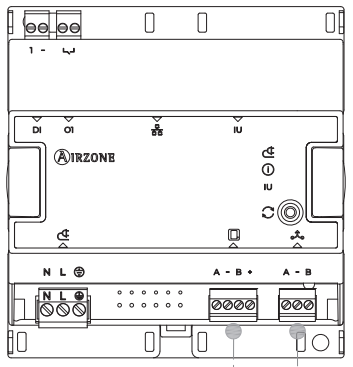
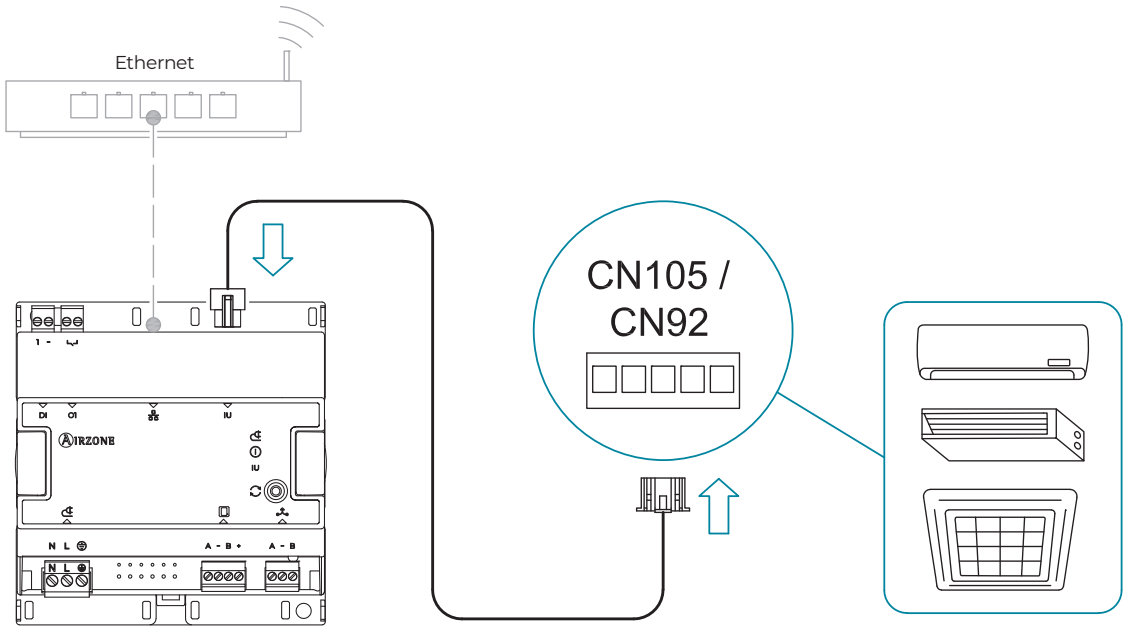




Modbus RTU
BACnet MS-TP
Lutron Palladiom

5



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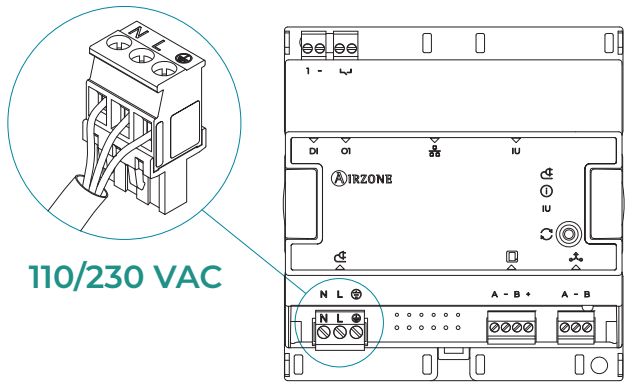
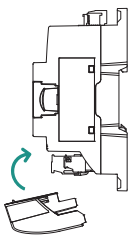


110/230 VAC

N	Neutral	Neutro	Neutre
L	Phase	Fase	Phase
⏚	Ground	Tierra	Terre

7



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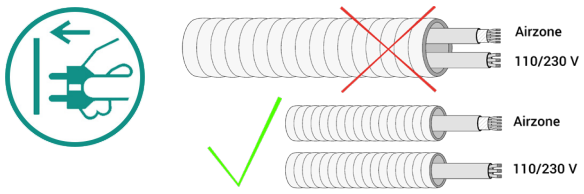

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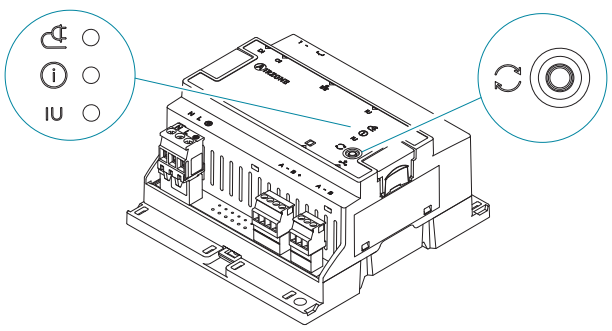
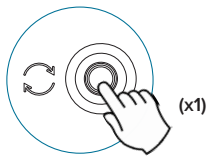
App Airzone Cloud

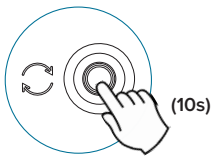
(EN) INFORMATION / (ES) INFORMACIÓN / (FR) INFORMATION

	Power supply / Alimentación / Alimentation
	Device state / Estado del dispositivo / État du dispositif
IU	Communication to indoor unit / Comunicación con la unidad interior Communication avec l'unité intérieure
	Reboot or reset / Reinicio o reseteo / Réinitialisation ou restauration





(EN) Device reboot
(ES) Reinicio del dispositvo
(FR) Réinitialisation du dispositif



(EN) Factory reset
(ES) Reset a valores de fábrica
(FR) Restaurer les paramètres d'usine

(EN) CONFIGURATION / (ES) CONFIGURACIÓN / (FR) CONFIGURATION

EN

(Optional - Depends on the unit)
Configuration to impose temperature on the indoor unit:
- There must always be an external device with a temperature probe (e.g. Airzone Blueface Zero thermostat).
- From the unit's thermostat, the Work Temp. must be configured as Room Temp.: parameter 02 (in the PAR-32MMA controller's Revision Menu).

a. **Autonomous operation:** The Aidoo works as a master and can impose the room temperature measured from the external probe, without the need to perform any specific configuration.
b. **Master-slave operation:** The unit's thermostat must be configured as slave.

ES

(Opcional - Depende de la unidad)
Configuración para imponer temperatura a la unidad interior:
- Siempre debe existir un dispositivo externo con sonda de temperatura (p.e.: termostato Airzone Blueface Zero).
- Se debe configurar, desde el termostato de la unidad, la Tª de Trabajo como Tª Ambiente: parámetro 02 (en el Menú de Revisión del mando PAR-32MMA).

a. **Funcionamiento autónomo:** El Aidoo trabaja como maestro y puede imponer la temperatura ambiente medida desde la sonda externa, sin necesidad de realizar ninguna configuración específica.
b. **Funcionamiento maestro-esclavo:** Se deberá configurar el termostato de la unidad como esclavo.

FR

(Optionnel - Selon l'unité)
Configuration pour imposer la température à l'unité intérieure :
- Il faut obligatoirement un dispositif externe avec une sonde de température (p e : thermostat Airzone Blueface Zero).
- La Temp. de Travail doit être configurée comme Temp. Ambiante depuis le thermostat de l'unité : paramètre 02 (dans le menu Révision de la commande PAR-32MMA).

a. **Fonctionnement autonome :** L'Aidoo fonctionne comme principal et peut imposer la température ambiante mesurée depuis la sonde externe, sans aucune configuration spécifique.
b. **Fonctionnement principal-esclave :** Le thermostat de l'unité doit être configuré en mode esclave.