OLIMPIA SPLENDID
HOME OF COMFORT

AIRZONE

Connectivity and Integration for Fan-Coil Units

BI2 AIR, BI2 NAKED, BI2 WALL, BI2 SMART - AIDOO PRO MB1

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Backed by nearly 70 years of innovation, the Italian company Olimpia Splendid **designs and manufactures systems that cool, heat, and treat indoor air.** Our goal is to deliver the best home comfort, year-round, to customers around the world. We are committed to protecting the climate inside your home while respecting the climate of the planet.

AIRZONE

For more than 25 years, Airzone, headquartered in Malaga, has been **developing, producing, and marketing advanced climate-control systems** that enhance comfort in homes, offices, and commercial spaces while reducing energy consumption.

Airzone and Olimpia Splendid share the same vision: solutions that combine comfort, efficiency, and connectivity. From this synergy comes a dedicated solution that **connects Bi2 fan-coil units and fan-assisted radiators to smart-home platforms and Building Management Systems (BMS) through the Airzone Aidoo Pro gateway.**

COMPLETE INTEGRATION WITH AIDOO PRO

Aidoo Pro offers a simple, fast, and reliable way to integrate Bi2 terminals into complex home-automation systems. The device supports major communication protocols, such as **Modbus, BACnet, and API,** and enables centralized management through Smart Home and BMS platforms, including **Samsung SmartThings.**

See the Airzone commercial-building brochure

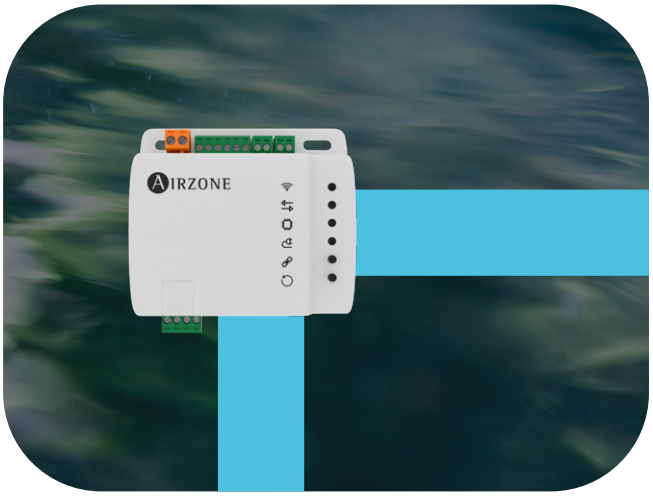
Airzone Aidoo Integration for Olimpia Splendid

How it works

Aidoo Pro MB1 establishes communication through a dedicated Modbus port, provided by Olimpia Splendid specifically to enable integration with third-party systems.

This allows all functions to be managed directly from the Airzone Blueface thermostat, without needing to access the unit's built-in controls.

The collaboration between Olimpia Splendid and Airzone provides extended control even for non-standardized systems, thanks to downloadable drivers for major home-automation platforms **(Lutron, Control4, Crestron, Home Assistant, etc.) and** native integration with leading voice assistants **(Alexa, Google Assistant, SmartThings).**

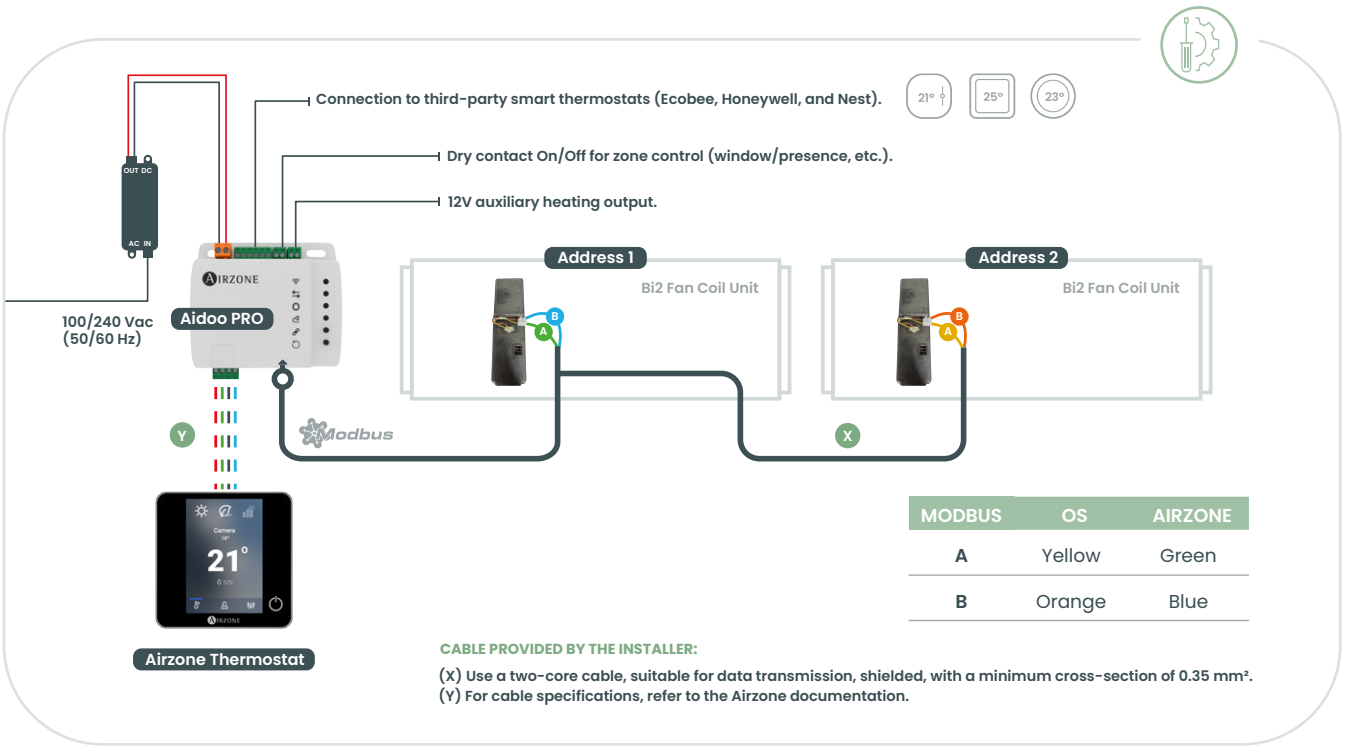


Aidoo Pro MB1 Specifications (code AZAI6WSPMB1):

- **Dual-band Wi-Fi 2.4/5 GHz communication.**
- Integration with the **Airzone Cloud App.**
- Compatibility with **BACnet MSTP, BACnet IP, Modbus RTU, Modbus TCP, REST API, and Cloud API protocols.**
- **Digital inputs for sensors** (occupancy, open window).
- Control **of 1 to "N" Bi2 fan-coil units (up to 4 with a single Aidoo Pro).**
- **12 Vdc relay output** for auxiliary heating.
- Integration with third-party thermostats (**Google Nest, Ecobee, Honeywell).**
- **Control through Samsung SmartThings.**
- Voice control via **Amazon Alexa and Google Assistant.**

Integrated Control

Integration diagram



Communication Protocol Settings

- Mode: RTU
- Baud rate: 9600
- Data bits: 8
- Parity: NONE
- Stop bits: 1

Modbus Functions

- 03 – Read Holding Register
- 06 – Write Single Register
- 16 – Write Multiple Register

Procedure for changing the fan-coil unit address

STEP 1

- On the terminal, press and hold the standby and minus (–) buttons simultaneously for about 5 seconds.
- Wait until the text “cf” appears on the screen.

STEP 2

- On the terminal, press the plus (+) button twice. The terminal will display “Ad.”

STEP 3

- On the terminal, press the standby button.
- The value 1 will appear on the screen.
- Press and hold the standby button for about 2 seconds to change the address.
- The value on the screen will begin to flash.
- Press the minus (–) or plus (+) button to set the desired value.
- Press the mode button to save and exit.

Benefits of the Bi2 Fan Coil + Airzone Solution

LOCAL AND REMOTE CONTROL

Local control through the Airzone Blueface thermostat.

REMOTE CONTROL

Access and manage your system from anywhere through the Airzone Cloud app and SmartThings.

FULL INTEGRATION

Centralized, intuitive control of Bi2 Modbus fan-coil units from Smart Home and BMS platforms.

ELEGANT DESIGN

Airzone touch thermostats with minimal visual impact, blending seamlessly into any environment.

ENERGY EFFICIENCY

Optimized energy use and improved resource management thanks to the perfect synergy between Olimpia Splendid electronics and Airzone control logic.

Product Features

Bi2 fan coils represent the evolution of the hydronic terminal, combining high performance, compact dimensions, and meticulous design. The ultraslim range (as slim as 12.9 cm) and the slim range (as slim as 17.9 cm) allow seamless architectural integration without compromising comfort or functionality.

Award-winning Italian design

Designed by leading Italian industrial design studios, Bi2 fan coils have received **seven international awards since 2013,** confirming their aesthetic and functional excellence.

Functional benefits

They deliver comfort comparable to radiant systems, with **greater flexibility, lower installation costs, and simplified management.**

- **Heating, cooling, dehumidification, and air filtration.**
- **High-efficiency DC brushless motor.**
- **Compact format.**
- **Maximum cooling capacity up to 4.85 kW.**
- **Removable filters positioned at the air intake.**
- **Versions available with integrated radiant panel.**

Control Interfaces

They allow the user to manage the entire system from a single interface and/or through the Airzone Cloud app.

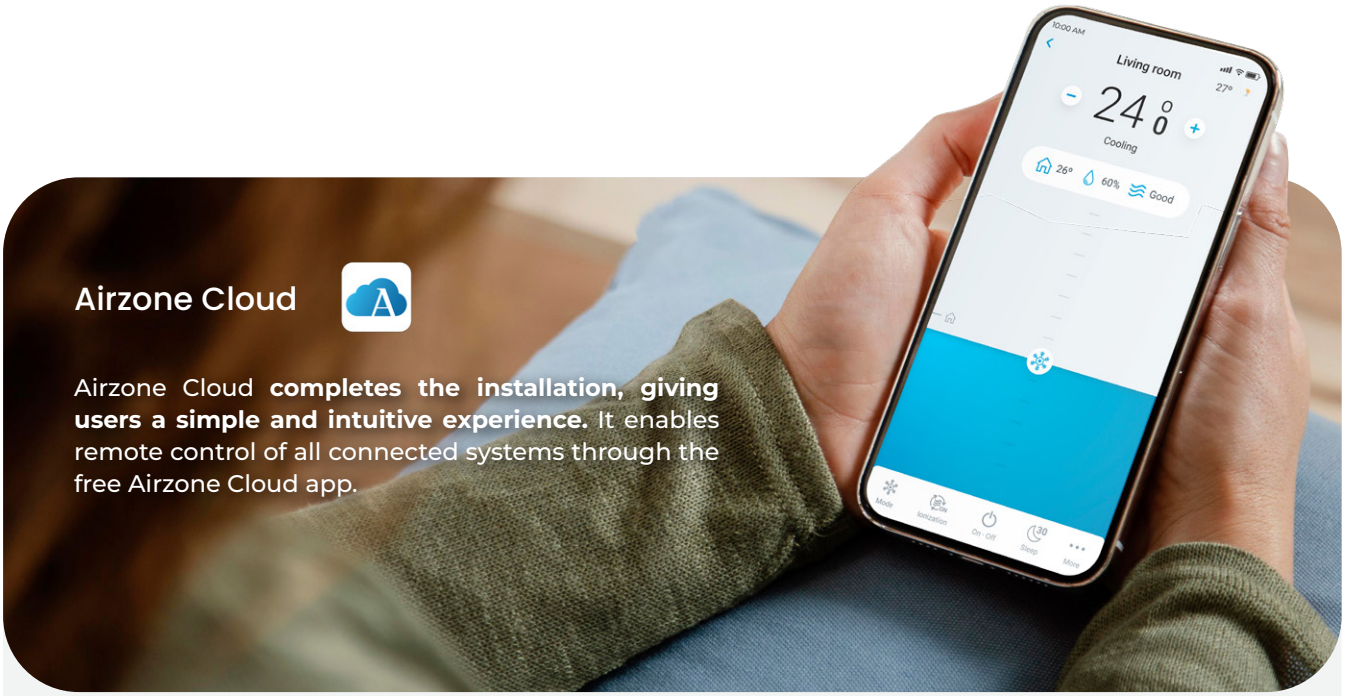
Airzone Blueface

The Airzone Blueface interface, featuring a color touch screen, **provides full control** and configuration of all Airzone systems.

Connection: wired

FEATURES:

- On/Off.
- Temperature control.
- Humidity reading.
- Mode selection.
- Advanced settings.
- Navigation.
- Eco-Adapt function.



Airzone Cloud

Airzone Cloud **completes the installation, giving users a simple and intuitive experience.** It enables remote control of all connected systems through the free Airzone Cloud app.

FEATURES:

- Set-point temperature selection.
- Remote limitation of the set-point temperature.
- Time schedules for the set-point temperature and operation mode.
- Automatic mode switching.
- Control of various unit parameters.
- Detection of communication errors.
- Airtools: viewing of unit alerts and errors.

Compatibility Table

Bi2 Smart

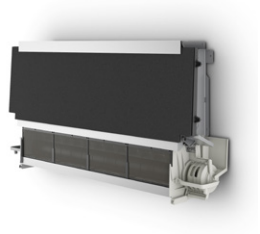
FAMILY	TYPE 1	TYPE 2	CODE	DESCRIPTION	CONTROL ACCESSORIES	INTERFACE
Bi2 SMART	Console	Radiant Fan Coil Unit	02127	SLR SMART S1 200 B DC	B0872	Modbus RTU & ASCII
Bi2 SMART	Console	Radian Fan Coil Unit	02128	SLR SMART S1 400 B DC	B0872	Modbus RTU & ASCII
Bi2 SMART	Console	Radiant Fan Coil Unit	02129	SLR SMART S1 600 B DC	B0872	Modbus RTU & ASCII
Bi2 SMART	Console	Radiant Fan Coil Unit	02130	SLR SMART S1 800 B DC	B0872	Modbus RTU & ASCII
Bi2 SMART	Console	Fan Coil Unit	02122	SL SMART S1 200 B DC	B0872	Modbus RTU & ASCII
Bi2 SMART	Console	Fan Coil Unit	02123	SL SMART S1 400 B DC	B0872	Modbus RTU & ASCII
Bi2 SMART	Console	Fan Coil Unit	02124	SL SMART S1 600 B DC	B0872	Modbus RTU & ASCII
Bi2 SMART	Console	Fan Coil Unit	02125	SL SMART S1 800 B DC	B0872	Modbus RTU & ASCII

Bi2 Air

FAMILY	TYPE 1	TYPE 2	CODE	DESCRIPTION	CONTROL ACCESSORIES	INTERFACE
Bi2 AIR	Console	Radiant Fan Coil Unit	01856	SLR AIR 200 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Radiant Fan Coil Unit	01857	SLR AIR 400 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Radiant Fan Coil Unit	01858	SLR AIR 600 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Radiant Fan Coil Unit	01859	SLR AIR 800 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Radiant Fan Coil Unit	02360	SLR AIR 1100 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Radiant Fan Coil Unit	02052	SLR AIR 1400 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Radiant Fan Coil Unit	02054	SLR AIR 1600 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Fan Coil Unit	01851	SL AIR 200 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Fan Coil Unit	01852	SL AIR 400 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Fan Coil Unit	01853	SL AIR 600 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Fan Coil Unit	01854	SL AIR 800 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Fan Coil Unit	02362	SL AIR 1100 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Fan Coil Unit	02048	SL AIR 1400 DC TR	Included	Modbus RTU & ASCII (b)
Bi2 AIR	Console	Fan Coil Unit	02050	SL AIR 1600 DC TR	Included	Modbus RTU & ASCII (b)

(b) In older products, Modbus is available only in ASCII mode and is therefore not compatible with AIDOO PRO, which uses Modbus RTU.

Bi2 Naked



FAMILY	TYPE 1	TYPE 2	CODE	DESCRIPTION	CONTROL ACCESSORIES	INTERFACE
Bi2 NAKED	Naked Console	Fan Coil Unit	01513	SLI 200 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Fan Coil Unit	01514	SLI 400 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Fan Coil Unit	01515	SLI 600 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Fan Coil Unit	01516	SLI 800 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Fan Coil Unit	02363	SLI 1100 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Fan Coil Unit	02056	SLI 1400 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Fan Coil Unit	02057	SLI 1600 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Radiant Fan Coil Unit	01639	SLI R 200 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Radiant Fan Coil Unit	01640	SLI R 400 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Radiant Fan Coil Unit	01641	SLI R 600 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Radiant Fan Coil Unit	01642	SLI R 800 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Radiant Fan Coil Unit	02364	SLI R 1100 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Radiant Fan Coil Unit	02071	SLI R 1400 DC	B0872	Modbus RTU & ASCII
Bi2 NAKED	Naked Console	Radiant Fan Coil Unit	02072	SLI R 1600 DC	B0872	Modbus RTU & ASCII

Bi2 Wall

FAMILY	TYPE 1	TYPE 2 (A)	CODE	DESCRIPTION	CONTROL ACCESSORIES	INTERFACE
Bi2 WALL	High-Wall	Fan Coil Unit	01784	SLW 400 DC V2V TR	Included	Modbus RTU & ASCII (b)
Bi2 WALL	High-Wall	Fan Coil Unit	01785	SLW 600 DC V2V TR	Included	Modbus RTU & ASCII (b)
Bi2 WALL	High-Wall	Fan Coil Unit	01786	SLW 800 DC V2V TR	Included	Modbus RTU & ASCII (b)
Bi2 WALL	High-Wall	Fan Coil Unit	02467	SLW 1000 DC V2V TR	Included	Modbus RTU & ASCII
Bi2 WALL	High-Wall	Fan Coil Unit	02459	SLW 1200 DC V2V TR	Included	Modbus RTU & ASCII
Bi2 WALL	High-Wall	Fan Coil Unit	02463	SLW 1400 DC V2V TR	Included	Modbus RTU & ASCII
Bi2 WALL	High-Wall	Fan Coil Unit	01787	SLW 400 DC V3V TR	Included	Modbus RTU & ASCII (b)
Bi2 WALL	High-Wall	Fan Coil Unit	01788	SLW 600 DC V3V TR	Included	Modbus RTU & ASCII (b)
Bi2 WALL	High-Wall	Fan Coil Unit	01789	SLW 800 DC V3V TR	Included	Modbus RTU & ASCII (b)
Bi2 WALL	High-Wall	Fan Coil Unit	02465	SLW 1000 DC V3V TR	Included	Modbus RTU & ASCII
Bi2 WALL	High-Wall	Fan Coil Unit	02457	SLW 1200 DC V3V TR	Included	Modbus RTU & ASCII
Bi2 WALL	High-Wall	Fan Coil Unit	02461	SLW 1400 DC V3V TR	Included	Modbus RTU & ASCII

(b) In older products, Modbus is available only in ASCII mode and is therefore not compatible with AIDOO PRO, which uses Modbus RTU.

CLIMATE
CONTROL
PEOPLE

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