

Daikin Altherma Air-to-Water heat pumps to Modbus RTU

Item number: IN485DAI001A000

This gateway allows full bidirectional communication between Daikin Altherma 3 Air-to-Water heat pumps and Modbus RTU networks.



Daikin Air-to-Water to Modbus RTU - 1 AW unit

Features and benefits

- ✓ **Easy installation and commissioning**
The gateway gets its power directly from the AW unit and allows a simple Modbus configuration using DIP Switches.
- ✓ **Energy efficiency and comfort optimization**
Weather dependent ambient temperature setup.
- ✓ **Local and remote control at the same time**
This is an additional user interface in the Daikin Altherma 3 installation. It does not replace the Daikin main user interface, which is still required for operation.
- ✓ **Detect outliers and anomalies in the AW system's performance**
It provides error codes and detailed description, enabling the Modbus system to execute preventive maintenance schedules.
- ✓ **Avoid compatibility issues**
This gateway is compatible with monoblock and split systems from the Daikin Altherma 3 range.
- ✓ **Total control and monitoring from Modbus RTU**
Through internal variables, running hours counter (for maintenance purposes), and error indication.

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General	
Net Width (mm)	53
Net Height (mm)	93
Net Depth (mm)	58
Net Weight (g)	120
Packed Width (mm)	140
Packed Height (mm)	85
Packed Depth (mm)	108
Packed Weight (g)	160
Operating Temperature °C Min	0
Operating Temperature °C Max	70
Storage Temperature °C Min	-20
Storage Temperature °C Max	85
Power Consumption (W)	1.4
Input Voltage (V)	From the AW unit.
Power Connector	Other
Isolation Voltage (kV)	1500 VDC
Isolation Resistance (Ohms)	1000 MΩ
Configuration	DIP switch
Capacity	1 Air-to-Water unit.

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General

Installation Conditions	Install this gateway indoors, in a restricted access location, avoiding exposure to direct solar radiation, water, high relative humidity, or dust.
AC Model Compatibility	Compatible with Daikin Altherma 3 air-to-water heat pumps.
Content of Delivery	Intesis Gateway, and Installation Manual.
Mounting	DIN rail mount (bracket included)
Housing Materials	Plastic
Packaging Material	Cardboard
Warranty (years)	3 years

Identification and Status

Product ID	IN485DAI001A000_MBS_DAI
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	EIA-485, HVAC port.
LED Indicators	1 x Operational status
DIP & Rotary Switches	3x DIP Switch
Contains Battery	No

Certifications and Standards

ETIM Classification	EC001604
CE	Yes
CB	Yes

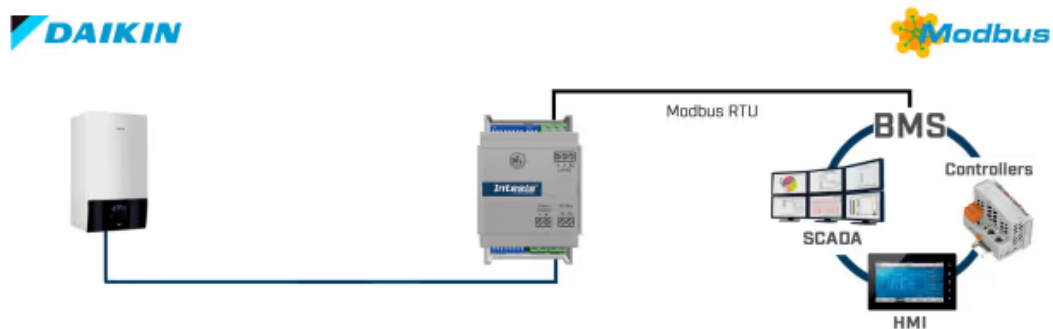
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Certifications and Standards	
UKCA	Yes
UL	Yes
KC	No
BTL	Yes
WEEE Category	IT and telecommunications equipment



Use Case



Integration example.