Mitsubishi Electric Ecodan Air-to-Water heat pumps to Modbus RTU



Item number: IN485MIT001A000

This gateway allows full bidirectional communication between Mitsubishi Electric Air-to-Water heat pumps and Modbus RTU networks.

Mitsubishi Electric 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 Ecodan installation. It does not replace the 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 Mitsubishi Electric Ecodan 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

Capacity	1 AW unit
Net Width (mm)	53
Net Height (mm)	93
Net Depth (mm)	58
Net Weight (g)	78
Packed Width (mm)	135
Packed Height (mm)	85
Packed Depth (mm)	100
Packed Weight (g)	216
Operating Temperature °C Min	0º
Operating Temperature °C Max	70º
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
Configuration	DIP switch
Installation Conditions	Install this gateway indoors, in a restricted access location, avoiding exposure to direct solar radiation, water, high relative humidity, or dust.

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General

AC Model Compatibility	Compatible with Mitsubishi Electric Ecodan 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	IN485MIT001A000_MBS_MIT
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN) (Applies only to the U.S)	EAR99

Physical Features

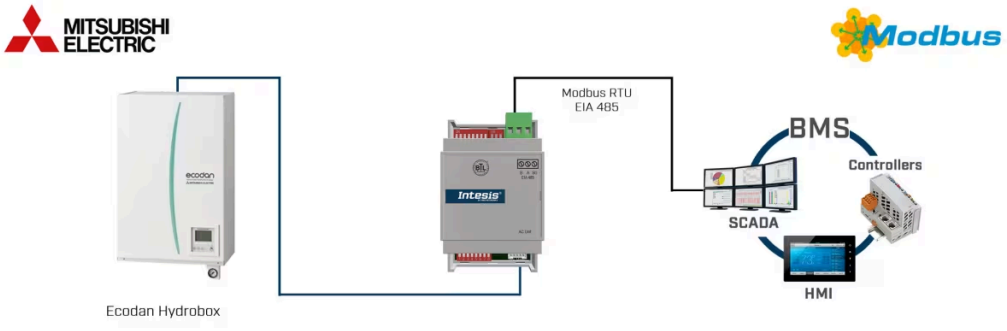
Connectors / Input / Output	EIA-485, HVAC port.
LED Indicators	1 x Operational status
DIP & Rotary Switches	3x DIP Switch
Contains Battery	No

Certifications and Standards

Product Certifications	CE, CB, UKPSTI, UL, BTL
WEEE Category	IT and telecommunications equipment

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Use Case



Integration example.