

## 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.

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



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
Configuration	DIP switch
Capacity	1 Air-to-Water unit.
Installation Conditions	Install this gateway indoors, in a restricted access location, avoiding exposure to direct solar radiation, water, high relative humidity, or dust.

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



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)	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
UL	Yes

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

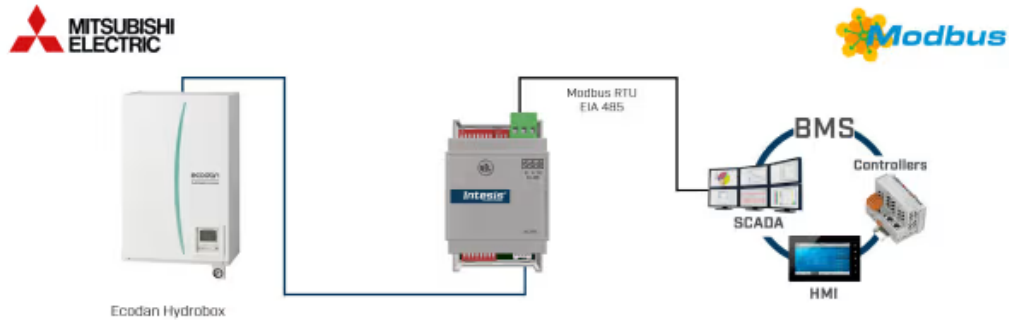


Certifications and Standards	
BTL	Yes
WEEE Category	IT and telecommunications equipment

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



## Use Case



Integration example.