

## Mitsubishi Electric Domestic, Mr.Slim and City Multi to Modbus RTU Interface

Item number: INMBSMIT001I000

The Mitsubishi Electric-Modbus interface allows full bidirectional communication between Mitsubishi Electric Domestic, Mr. Slim, and City Multi air conditioner units and Modbus RTU (RS-485) networks. The interface acts as a server device for the installation, accessing all signals from the air conditioner unit.



*Mitsubishi Electric Domestic to Modbus - 1 indoor unit*

### Features and benefits

- ✓ **Modbus RTU (EIA-485) server device**  
The interface acts as a Modbus server device through its Modbus RTU (EIA-485 connector) port.
- ✓ **Energy savings through a window contact function**  
This function helps minimize costs, as HVAC systems are a major building energy consumer.
- ✓ **AC unit control by both the remote and Modbus RTU**  
The AC unit can be simultaneously controlled by the manufacturer's remote controller and Modbus RTU.
- ✓ **Multiple mounting options**  
Mounting options include DIN rail, wall, or, in some AC models, even inside the indoor unit.
- ✓ **Dual configuration options**  
Configuration is carried out through the interface's onboard DIP switches and the Modbus interface.
- ✓ **Total unit control and monitoring from Modbus RTU**  
Through internal variables, running hours counter (for maintenance purposes), and error indication.
- ✓ **No external power required**  
The interface is powered directly from the AC unit, so no external power supply is required.

# Mitsubishi Electric Domestic, Mr.Slim and City Multi to Modbus RTU Interface



General	
Capacity	1 indoor unit
Net Width (mm)	53
Net Height (mm)	58
Net Depth (mm)	93
Net Weight (g)	78
Packed Width (mm)	140
Packed Height (mm)	86
Packed Depth (mm)	110
Packed Weight (g)	216
Operating Temperature °C Min	-25
Operating Temperature °C Max	60
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Power Consumption (W)	0.72
Input Voltage (V)	12 VDC
Power Connector	Other
Configuration	ETS Database
Installation Conditions	This gateway is designed to be mounted inside an enclosure. If the unit is mounted outside an enclosure, precautions should always be taken to prevent electrostatic discharge to the unit. When working inside an enclosure (e.g., making adjustments, setting switches, etc.), typical anti-static precautions should always be followed before touching the unit.
AC Model Compatibility	Mitsubishi Electric Air Conditioning

# Mitsubishi Electric Domestic, Mr.Slim and City Multi to Modbus RTU Interface



## General

Content of Delivery	Intesis Gateway, Installation Manual, AC Connection cable.
Mounting	DIN rail mount (bracket included), Wall mount
Housing Materials	Plastic
Warranty (years)	3 years
Packaging Material	Cardboard

## Identification and Status

Product ID	INMBSMIT001I000
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	Gateway and communication status.
DIP & Rotary Switches	EIA-485 serial port configuration. Gateway settings.
Contains Battery	No

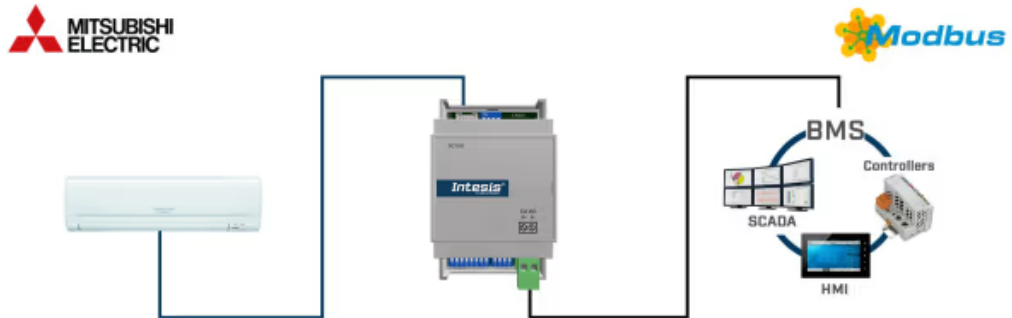
## Certifications and Standards

CE	Yes
CB	Yes
UKPSTI	Yes
UL	Yes
WEEE Category	IT and telecommunications equipment

# Mitsubishi Electric Domestic, Mr.Slim and City Multi to Modbus RTU Interface



## Use Case



Integration example.