

LG VRF systems to Modbus RTU Interface

Item number: INMBSLGE001R000

The LG-Modbus interface allows full bidirectional communication between LG VRF systems and Modbus RTU (RS-485) networks. The interface acts as a server device for the installation, accessing all signals from the air conditioner unit. A wired remote controller can also be part of the network.



LG 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.

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General	
Net Width (mm)	53
Net Height (mm)	58
Net Depth (mm)	93
Net Weight (g)	81
Operating Temperature °C Min	0
Operating Temperature °C Max	60
Input Voltage (V)	From the AC unit.
Power Connector	Other
Capacity	1 indoor unit.
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.
Content of Delivery	Intesis gateway and installation manual.
Mounting	DIN rail mount (bracket included), Wall mount
Housing Materials	Plastic
Warranty (years)	3 years
Packaging Material	Cardboard
Identification and Status	
Product ID	INMBSLGE001R000
Country of Origin	Spain
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99



Physical Features

Connectors / Input / Output	EIA-485, AC port.
DIP & Rotary Switches	EIA-485 serial port configuration.

Certifications and Standards

ETIM Classification	EC001604
WEEE Category	IT and telecommunications equipment



Use Case



Integration example.