

LG VRF systems to Modbus **RTILInterface**

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.



The interface is powered directly from the AC unit, so no external power supply is required.



LG VRF systems to Modbus RTU Interface



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

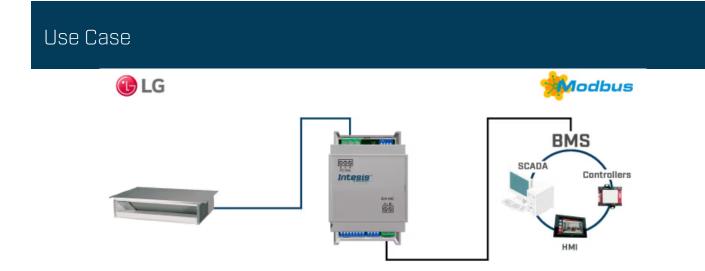


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Identification and Status		
Supply Risk Factor ERP	Volume not defined yet	
Purchasing Multiple ERP	1	
Physical Features		
Connectors / Input / Output	EIA-485, AC port.	
DIP & Rotary Switches	EIA-485 serial port configuration.	
Certifications and Standards		
ETIM Classification	EC001604	
WEEE Category	IT and telecommunications equipment	

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Integration example.

