

## 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.



General	
Capacity	1 indoor unit
Net Width (mm)	53
Net Height (mm)	58
Net Depth (mm)	93
Net Weight (g)	95
Packed Width (mm)	140
Packed Height (mm)	86
Packed Depth (mm)	110
Packed Weight (g)	188
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	3-pole
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	LG VRF systems



## General

<b>Content of Delivery</b>	Intesis gateway and installation manual.
<b>Mounting</b>	DIN rail mount (bracket included), Wall mount
<b>Housing Materials</b>	Plastic
<b>Warranty (years)</b>	3 years
<b>Packaging Material</b>	Cardboard

## Identification and Status

<b>Product ID</b>	INMBSLGE001R000
<b>Country of Origin</b>	Spain
<b>HS Code</b>	8517620000
<b>Dual Usage</b>	No
<b>Export Control Classification Number (ECCN) (Applies only to the U.S)</b>	EAR99

## Physical Features

<b>Connectors / Input / Output</b>	EIA-485, HVAC port.
<b>LED Indicators</b>	Gateway and communication status.
<b>DIP &amp; Rotary Switches</b>	EIA-485 serial port configuration. Gateway settings.
<b>Contains Battery</b>	No

## Certifications and Standards

<b>CE</b>	Yes
<b>CB</b>	Yes
<b>UKPSTI</b>	Yes
<b>UL</b>	Yes
<b>WEEE Category</b>	IT and telecommunications equipment



## Use Case



Integration example.