LG VRF systems to KNX Interface

Item number: INKNXLGE016O000

The LG interface has been specially designed to allow bidirectional control and monitoring of LG VRF systems from a KNX installation. This enables the control of all the indoor units connected to the system, the monitoring of the main AC functions, and access to some internal variables of the outdoor units.

LG to KNX - 16 indoor units

Features and benefits

- **KNX standard datapoints (DPTs) support**
  KNX standard datapoints (DPTs) are supported, guaranteeing a simple KNX device/system integration.
- **Outdoor unit signals**
  Signals assigned to the outdoor unit are available to be used in the integration.
- **Easy integration with Intesis MAPS**
  The integration process is quickly and easily managed using the Intesis MAPS configuration tool.
- **Front cover LED indicators**
  Front cover LED indicators give information about the Ethernet and serial communication status.
- **Automatic identification**
  A scan function is available for automatic identification of the units present in the VRF system.
- **Datapoint support**
  A wide range of monitoring and control datapoints is available.
- **Configuration tool and interface automatic updates**
  Both the Intesis MAPS configuration tool and the interface's firmware can receive automatic updates.
- **External USB port datalogging**
  Logs containing relevant data can be generated and stored through the interface's external USB port.

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General

Net Width (mm)	88
Net Height (mm)	56
Net Depth (mm)	90
Net Weight (g)	270
Packed Width (mm)	120
Packed Height (mm)	85
Packed Depth (mm)	140
Packed Weight (g)	650
Operating Temperature °C Min	-10
Operating Temperature °C Max	60
Storage Temperature °C Min	-30
Storage Temperature °C Max	60
Power Consumption (W)	127
Input Voltage (V)	For DC: 9 .. 36 VDC ±10%, Max: 250 mA For AC: 24 VAC ±10 %, 50-60 Hz, Max: 127 mA Recommended voltage: 24 VDC, Max: 127 mA
Power Connector	3-pole
Configuration	Intesis MAPS
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, Installation Manual, USB Configuration cable.
Not Included (in delivery)	Power supply not included.

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General

Mounting	DIN rail mount (bracket included), Wall mount
Housing Materials	Plastic
Warranty (years)	3 years
Packaging Material	Cardboard

Identification and Status

Product ID	INKNXLGE016O000
Successor	IN770AIR00SO000_BAC_LGE
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

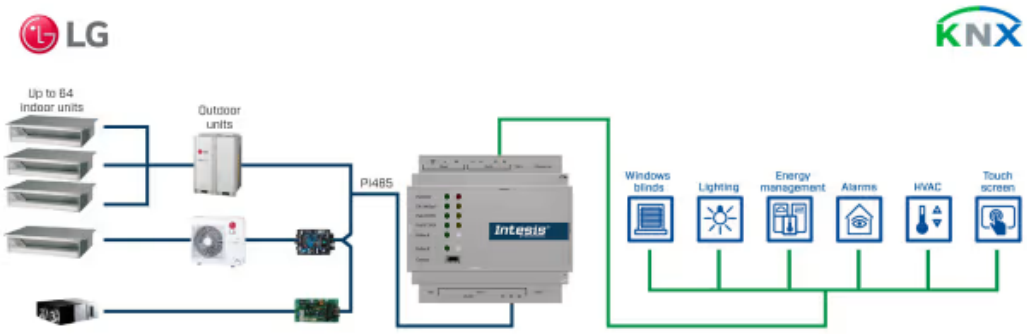
Physical Features

Connectors / Input / Output	Power supply, EIA-485, KNX, Ethernet, HVAC port, Binary inputs (dry contact), Console port USB.
LED Indicators	Gateway and communication status.
DIP & Rotary Switches	EIA-485 serial port configuration.
Contains Battery	Yes
Battery Description	Manganese Dioxide Lithium button battery.

Certifications and Standards

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

Use Case



Integration example.