

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.



Identification and Status

| | |
|--|-----------------|
| Product ID | INKNXLGE0160000 |
| Country of Origin | Spain |
| HS Code | 8517620000 |
| Export Control Classification Number (ECCN) | EAR99 |

General

| | |
|-------------------------------------|--|
| Net Width (mm) | 88 |
| Net Height (mm) | 56 |
| Net Depth (mm) | 90 |
| Net Weight (g) | 270 |
| Packed Weight (g) | 380 |
| Operating Temperature °C Min | 0 |
| Operating Temperature °C Max | 60 |
| Input Voltage (V) | For DC: 12 .. 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 |
| Capacity | Up to 16 indoor units. |
| 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. |
| Mounting | DIN rail mount (bracket included), Wall mount |
| Housing Materials | Plastic |



General

| | |
|-------------------------|---------|
| Warranty (years) | 3 years |
|-------------------------|---------|

| | |
|---------------------------|-----------|
| Packaging Material | Cardboard |
|---------------------------|-----------|

Physical Features

| | |
|----------------------------|---|
| Battery Description | Manganese Dioxide Lithium button battery. |
|----------------------------|---|

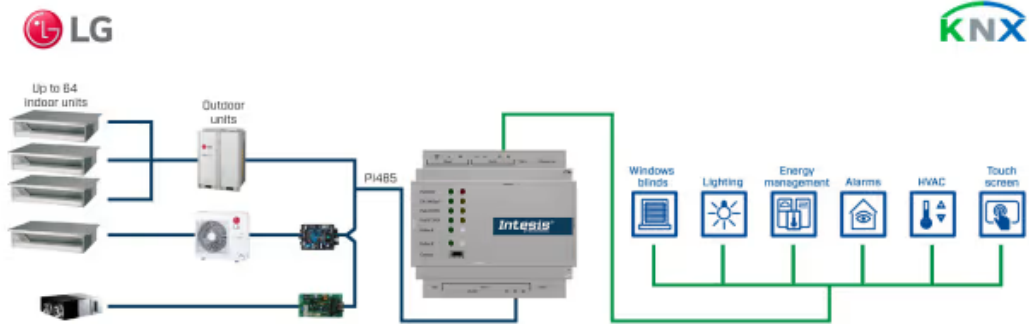
Certifications and Standards

| | |
|----------------------------|----------|
| ETIM Classification | EC001604 |
|----------------------------|----------|

| | |
|----------------------|-------------------------------------|
| WEEE Category | IT and telecommunications equipment |
|----------------------|-------------------------------------|



Use Case



Integration example.