LG VRF systems to KNX Interface with Binary Inputs

Item number: INKNXLGE001R000

The LG-KNX interface allows full bidirectional communication between LG VRF systems and KNX installations. It has four potential-free binary inputs to integrate external devices (such as window contacts or presence detectors), with the corresponding internal functions available to help improve energy efficiency.



LG to KNX - 1 indoor unit

Features and benefits

- **ETS configuration**
  The interface is configured using the ETS standard configuration tool software.
- **Multiple energy efficiency functions available**
  Timeout, open window, or occupancy energy-saving functions are available to reduce energy costs.
- **Total unit control and monitoring from KNX**
  Through internal variables, running hours counter (for maintenance purposes), and error indication.
- **AC unit control by both remote controller and KNX**
  The AC unit can be simultaneously controlled by the manufacturer's remote controller and KNX.
- **Compatible with all KNX thermostats in the market**
  All the required DPT objects to be compatible with all KNX thermostats in the market are available.
- **Smooth KNX thermostat integration**
  KNX thermostats are allowed to control the AC unit via the thermostat's temperature sensor.
- **Up to five scenes saved/executed from KNX**
  Up to five scenes can be saved and executed from KNX.
- **Compact dimensions, allowing inside installation**
  The interface can be quickly installed inside the AC unit thanks to its reduced dimensions.

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General

Capacity	1 indoor unit
Net Width (mm)	71
Net Height (mm)	71
Net Depth (mm)	27
Net Weight (g)	80
Packed Width (mm)	110
Packed Height (mm)	85
Packed Depth (mm)	90
Packed Weight (g)	100
Operating Temperature °C Min	0º
Operating Temperature °C Max	60º
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Power Consumption (W)	0.232
Input Voltage (V)	29 VDC
Power Connector	2-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

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General

Content of Delivery	Intesis gateway and installation manual.
Not Included (in delivery)	Communication cables.
Mounting	Wall mount
Housing Materials	Plastic
Warranty (years)	3 years
Packaging Material	Cardboard

Identification and Status

Product ID	INKNXLGE001R000
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN) (Applies only to the U.S)	EAR99

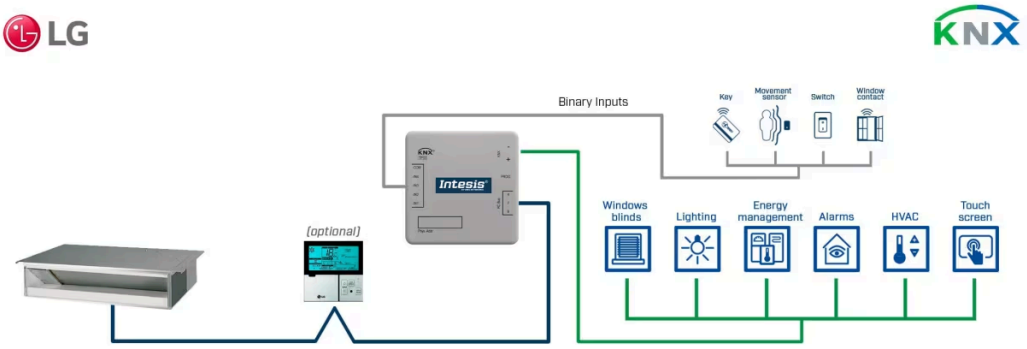
Physical Features

Connectors / Input / Output	KNX, HVAC port, Binary inputs (dry contact).
LED Indicators	KNX
Contains Battery	No

Certifications and Standards

Product Certifications	CE, CB, UKPSTI, KNX
WEEE Category	IT and telecommunications equipment

Use Case



Integration example.