

## Datasheet Ingenium BES KNX Gateway LGAC-K



### Ingenium BES KNX Gateway LG HLK

- Communication gateway between KNX protocol and LG HVAC protocol
- Control HVAC system with up to 64 indoor units
- Direct connection to RS485 bus of LG outdoor units
- Control of the set temperature, the current temperature, the function modes (cold, heat, ventilate, dry or automatic) and the fan speed (low, medium, high or automatic)

Do not connect mains voltages (230V) or other external voltages to any point on the KNX bus!

Technical Data:	
Consumption	12/32V AC (main) and 29Vdc from KNX BUS
KNX supply	5mA from KNX Bus
Current consumption	29Vdc from KNX BUS
Connections	5 mA from KNX BUS / equivalent to 1 BUS device
Supply	Connection terminal KNX bus / screw terminals for mains power supply and LG bus
<b>Compatible LG systems - In some cases, the integration requires the installation of an additional card in the outdoor units of the LG system. of the LG system, the type of additional card depends on the range of indoor units used in each case:</b>	
HVAC Systems	Adapter
Multi V plus Multi V sync Multi V space	PMNFP14A0 (16 indoors units) or PMNFP14A1 (64 indoor devices)
<b>Single A, Multi</b>	PMNFP14A0
<b>Eco-V</b>	PMNFP14A0
Multi V plus II Multi V sync II Multi V space II Multi V mini	No additional board necessary
Temperature range	
Operation	-10° C to +55°C
Storage	-30° C to +60°C
Transport	-30° C to +60°C
Mounting	DIN rail mounted (2 modules)
Certification	According to the directives of electromagnetic compatibility and low voltage. EEN 50090-2-2/UNE-EN 61000-6-3:2007/UNE-EN 61000-6-1:2007/UNE-EN 61010-1

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\*Warranty ex works, normally 24 months, fixed at order. Information is current as of the date of publication. Subject to errors and modifications. NOTE: Internal connections refer to connections inside the unit, generally mounted across a pin-header. External connections refer to those outside the box. Once mounted, only connections described as „front accessible“ can be accessed by the customer.

H:\1 Produkte\3 Automation\2 KNX Automation\4-BES KNX LGAC-K Gateway