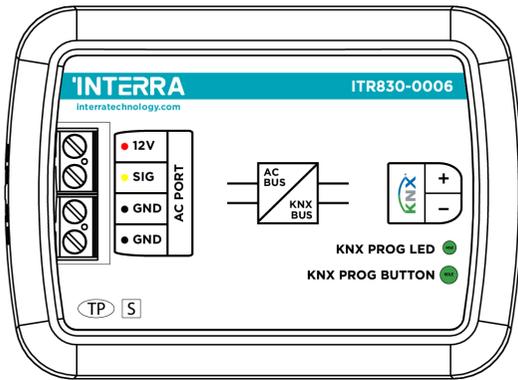


LG AC - KNX Gateway



Product Code	ITR830-0006
Power Supply	KNX Power Supply
Power Consumption	5 mA
Push Buttons	1 x KNX Programming Button
LED Indicators	1 x KNX Programming LED
Type of Protection	IP 20
Mode of Commissioning	S-Mode
Maximum Cable Length	50 m
Maximum Air Humidity	< 90 RH
Temperature Range	Operation (0°C...40°C) Storage (-10°C...70°C)
Colour	Light Grey
Dimensions	88 x 62 x 27 mm (W x H x D)
Certification	KNX Certified
Configuration	Configuration with ETS

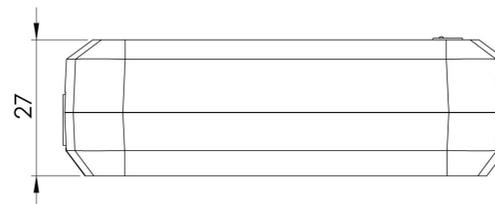
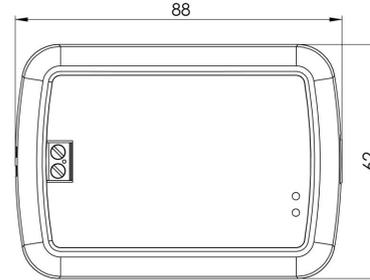
DESCRIPTION

ITR830-0006 is an air conditioner gateway used for monitoring and controlling all the functioning parameters of LG air conditioners via the KNX bus line. LG AC - KNX Gateway is compatible with models in single, multi, multi-f, multi-f max and VRF types categorized at compatibility list sold by LG.

LG AC - KNX Gateway has an easy installation feature and can be installed inside the own AC indoor unit or a proper location away from the air conditioner, it connects one side directly to the electronic circuit of the AC indoor unit and in the other side directly to the KNX bus.

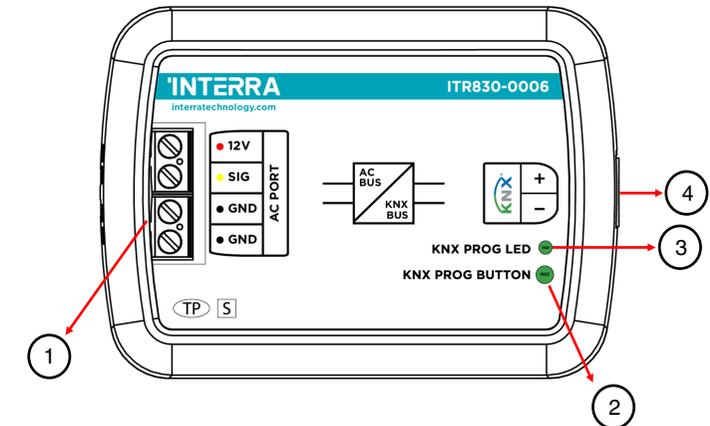
DIMENSIONS & CONNECTION DIAGRAM

- All values given in the device dimensions are millimetres.



FUNCTIONS

- ITR830-0006 device provides complete bidirectional integration of LG air conditioners with KNX bus.
- Includes 4 logical advanced parameters, each logical parameter have up to 4 inputs and can be configured as AND, OR & XOR.
- Includes 8 advanced converter parameters, each converter has four operations math calculations according to the input type.
- Logic and converter parameters can be used for energy savings, configurable scenes, temperature limits etc.
- The LG AC - KNX gateway provides error notifications for errors that may occur in exceptional cases.



- AC Indoor Unit Connection
- KNX Programming Button
- KNX Programming LED
- KNX Connector

Gateway - Single Indoor Unit :

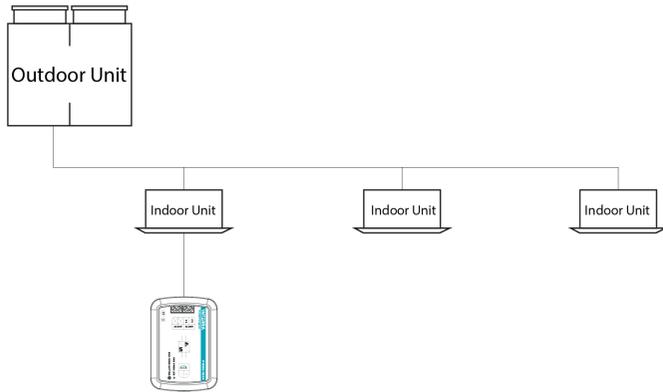


Figure 1

Gateway - Multi Indoor Unit :

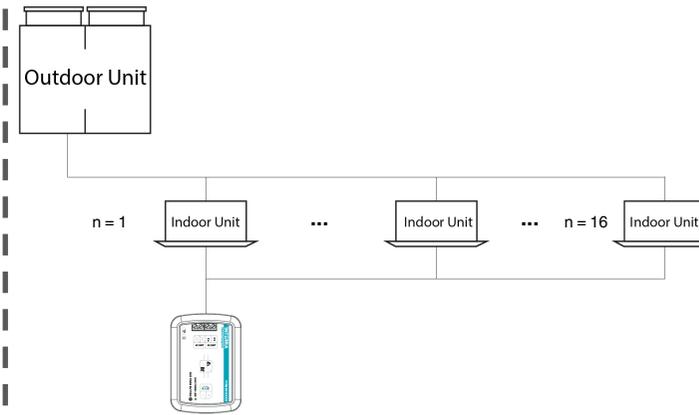


Figure 3

Gateway - Multi Indoor Unit + Remote Controller :

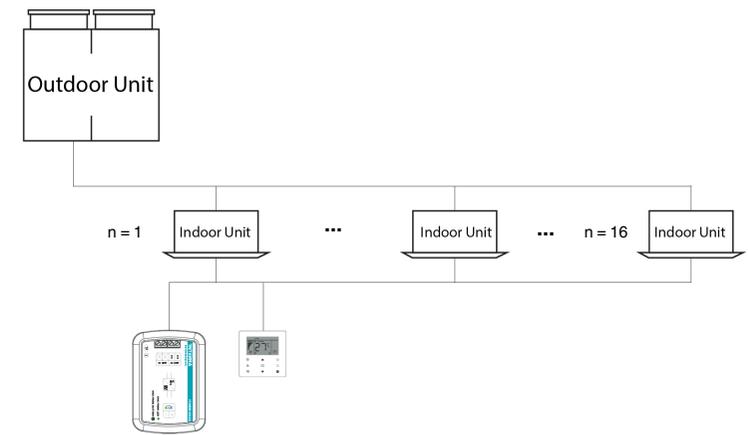


Figure 4

Gateway-Single Indoor Unit + Remote Controller :

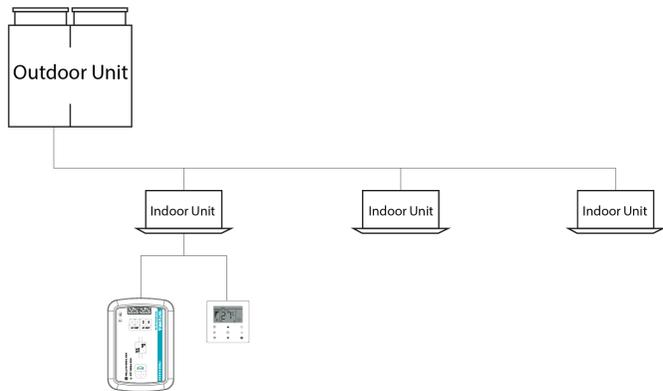


Figure 2

Figure 3 shows the connection diagram between the LG AC-KNX Gateway and multiple air conditioner indoor units. Some indoor unit models do not support multi indoor unit control. For detailed information, you can contact the air conditioner authorized service.

Figure 4 shows the connection diagram between the LG AC-KNX Gateway, air conditioner remote controller and multiple air conditioner indoor units. If more than 2 indoor units are to be connected to an air conditioner remote controller, care must be taken to ensure that the connection is as shown in figure 4. Some Indoor unit models do not support multi indoor unit control. For detailed information, you can contact the air conditioner authorized service.