Bosch VRF
AC - KNX Gateway

'INTERRA

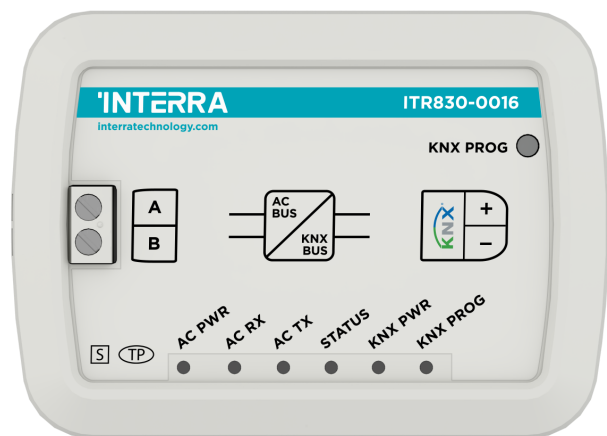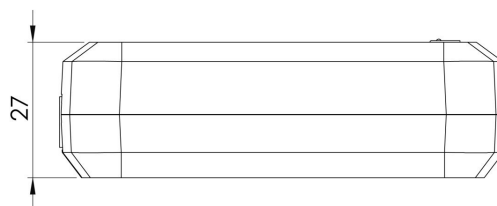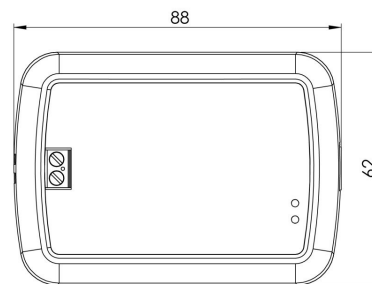| Product Code	ITR830-0016
Power Supply	KNX Power Supply
Power Consumption	5 mA
Push Buttons	1 x KNX Programming Button
LED Indicators	1 x KNX Programming LED
Type of Protection	IP 20
Cable Distance	Max 200 m
Mode of Commissioning	S-Mode
Maximum Air Humidity	< 90 RH
Temperature Range	Operation (-10°C…70°C)
	Storage (-25°C…100°C)
Colour	Light Grey
Dimensions	88 x 62 x 27 mm (W x H x D)
Configuration	Configuration with ETS

DESCRIPTION

ITR830-0016 is an air conditioner gateway used for monitoring and controlling all the functioning parameters of Bosch air conditioners via the KNX bus line. Bosch VRF AC - KNX Gateway is compatible with models in VRF types categorized on the compatibility list published by Interra.

Bosch VRF 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.

Note : Existing commands may vary according to indoor unit model. Please refer to relevant technical documents.
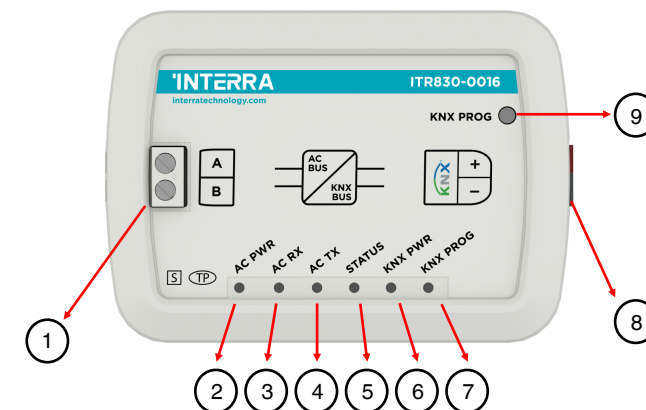
DIMENSIONS & CONNECTION DIAGRAM

- *All values given in the device dimensions are millimetres.*
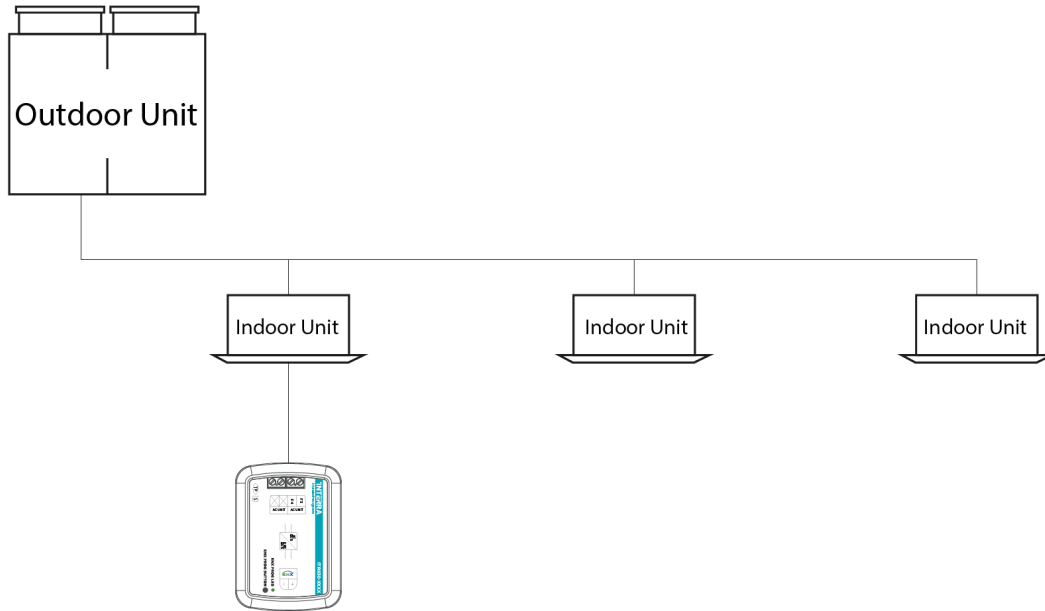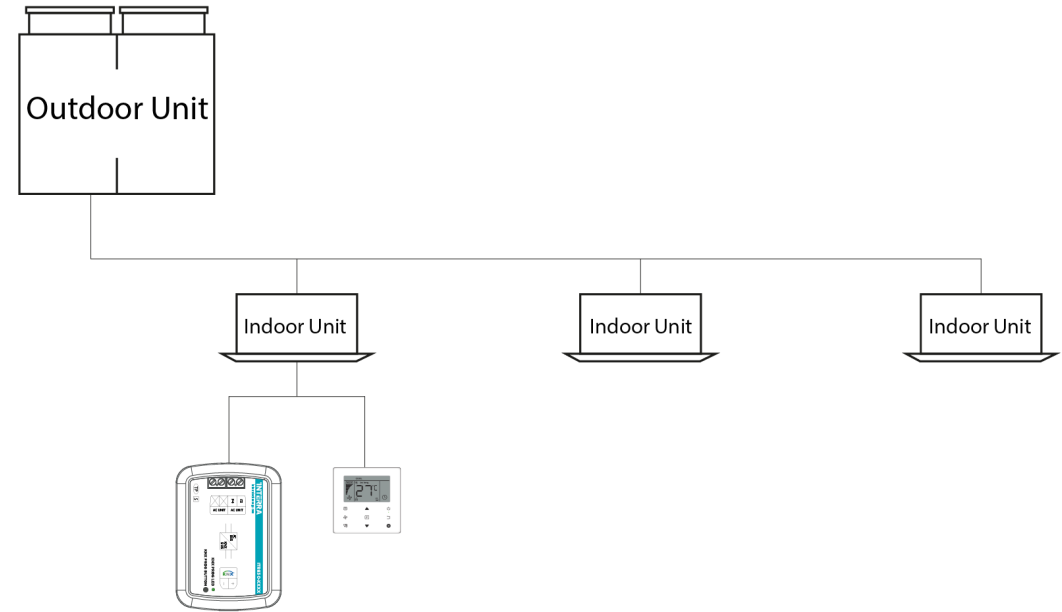

FUNCTIONS

- ITR830-0016 device provides complete bi-directional integration of VRF type 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 input type.

- Logic and converter parameters can be used for energy savings, configurable scenes, temperature limits etc.

- The Bosch air conditioner unit provides error notifications for errors that may occur in exceptional cases.

1. AC Indoor Unit Connection
2. AC Power LED
3. AC Receive Signal LED
4. AC Transmit Signal LED
5. Status LED
6. KNX Power LED
7. KNX Programming LED
8. KNX Connector
9. KNX Programming Button

CE KNX EIB

DS2310100221AEN

Gateway - Single Indoor Unit:

Figure 1

Gateway-Single Indoor Unit + Remote Controller:

Figure 2

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Error Code KNX	Error In Remote Controller	Error Description
1	E0	Mode conflict error
2	E1	Communication error between indoor and outdoor units
3	E2	T1 sensor error
4	E3	T2 sensor error
5	E4	T2B sensor error
6	E5	T2A sensor error (Reserved)
7	E6	Fan error in indoor unit
8	E7	EEPROM error fault
9	Eb	Electronic expansion valve of indoor unit has error
10	Ed	Outdoor unit error
11	EE	Water level alarm error
12	FE	Indoor unit has no address
13	E9	Wired controller and IDU communication fault

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