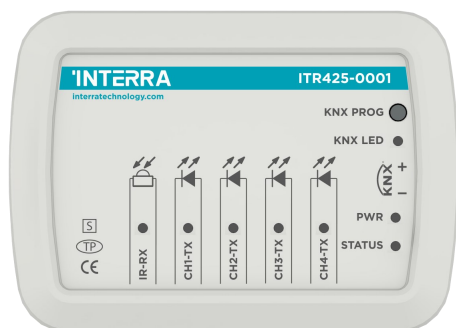


KNX IR Gateway



Product Code	ITR425-0001
Power Supply	KNX Power Supply
Current Consumption	< 15 mA
Power Consumption	< 450 mw
Transmitting wave frequency	30, 33, 36, 37, 38, 40, 56 kHz
Emitting Distance	7 m
Type of Protection	IP 20
Temperature Range	Operation (-5°C...45°C) Storage (-20°C...60°C)
Maximum Air Humidity	< 90 RH
Color	Light Grey and White
Dimensions	88 x 62 x 27 mm (W x H x D)
Certification	KNX Certified
Configuration	Configuration with ETS

DESCRIPTION

ITR425-0001 KNX IR Gateway is a multifunctional IR transmitter and it has five functions: Single mode, repeat mode, sequence mode, air-condition control and current detection. The device has 150 universal IR codes at most and 810 AC IR codes at most. Also, it has 4 emitting interfaces A, B, C and D. The KNX IR Gateway is used to control electronic devices such as TV, DVD, Air-Conditioner and other devices can be controlled by IR. Interra products are manufactured in accordance with EU standard for EMC, electrical safety compatibility.

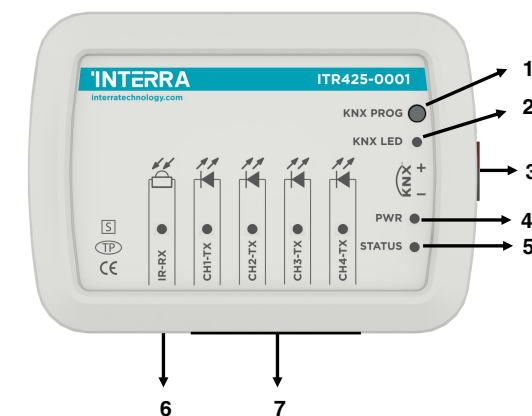
FUNCTIONS

- The universal IR codes control TV, DVD and other devices which can be controlled by IR
- The AC IR codes are used for controlling AC devices of any brand.
- The device has several AC control types: Fan speed control, swing control, Cooling/Heating, Temperature control, ON/OFF control.
- KNX Gateway can work between KNX to Infrared and Infrared to KNX.
- After learned, obtained and downloaded the infrared codes through infrared learning page of KNX Assistant Software and IR Learner, the KNX IR Gateway can control TV, DVD, air conditioner etc.
- Single mode: System emits one universal IR code and the emitting channel is one channel and multichannel.
- Repeat mode: System emits one universal IR code several times repeatedly and the emitting channel is one channel and multichannel.
- Sequence mode: System emits several universal IR code sequent at one time, but the emitting channel is one channel.

SAFETY INSTRUCTIONS

- Special Programming – This device is designed for professional KNX installation. It can only be programmed by ETS software.
- Cable Connections – Do not get wrong connection for Black and Red wires.
- Voltage - The bus voltage must be between 21-30 V DC.
- Mounting Location – To avoid installed near the air-conditioning vent and forbid to install near large area of metal objects.
- Screw down torque is less than 0.8 Nm.
- The IR emission tube should be placed close to the KNX IR Gateway.
- The KNX IR Gateway should be installed close to the power switch when using the current detection. Do not forget to pay attention for safe using.

LAYOUT AND WIRINGS



1-) KNX Programming Button

2-) KNX LED

3-) KNX Bus Connector

4-) Power LED

5-) Status LED

6-) IR-RX LED

7-) Channel X-TX LEDs

- The following table lists Receiver and Transmitter cables compatible with our IR Gateway product. These cables are not included with the product and customers need to place an additional order for them.

Cable Type	Cable Code	Cable Name	Cable Length
Receiver	HM002024	Assemble Cable IR Receiver Connection	1 Meter
Receiver	HM002026	Assemble Cable IR Receiver Connection	5 Meter
Receiver	HM002028	Assemble Cable IR Receiver Connection	10 Meter
Transmitter	HM002023	Assemble Cable IR Transmitter Connection	1 Meter
Transmitter	HM002025	Assemble Cable IR Transmitter Connection	5 Meter
Transmitter	HM002027	Assemble Cable IR Transmitter Connection	10 Meter