

General description

Infrared transmitter with code learning capability. It allows controlling devices with infrared receiver in a KNX installation from a touch screen, PC, internet or any other KNX device in order to substitute the manufacturer remote control.

The IRKNX is able to learn any type of infrared signal and allows memorizing up to 255 different codes. Easy programming with test functionalities like correct recording feedback or code sending for operational check.

Consist of 2 parts: The microprocessor control board with the KNX bus connection, the receiver led and a mini-jack connector for the led transmitter extension cable.

Mounting can be hidden, but the led terminal must be visible and focused on the controlled devices (IR receivers).

Characteristics

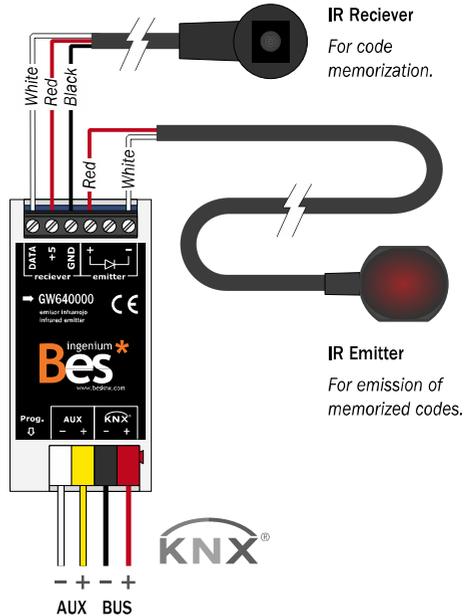
- Maximum distance: 8 m
- Maximum number of stored codes: 255
- Suitable for IR transmitters in the 40kHz band.
- IR emitter connector: jack 3,5mm
- Last code memory in case of power failure.
- 1 byte and 8 bit objects for code execution.

Technical information

Power supply	29V _{DC} from KNX BUS
Current Consumption	15mA from KNX BUS Equivalent to 3 BUS device
Connections	BUS connection terminal KNX. 3.5mm mini jack for IR emitter
IR bandwidth	40 kHz
Storage capacity	255 infrared codes
Mounting / Size	On universal distribution box 75x30x12mm
Environment temperature range	Operation: -10°C to 55°C Storage: -30°C to 60°C Transportation: -30°C to 60°C
Regulation	According to the directives of electromagnetic compatibility and low voltage. EN 50090-2-2 / UNE-EN 61000-6-3:2007 / UNE-EN 61000-6-1:2007 / UNE-EN 61010-1

*1 BUS device = 5 mA

Installation



Observations

Install low voltage lines (KNX bus and inputs) in a ducting separated from the power (230V) and outputs lines ducting to ensure there is enough insulation and avoid interferences.

Do not connect the main voltages (230V) or any other external voltages to any point of the KNX bus or inputs.

QR Code

