

General description

Infrared transmitter with code learning capability. Allows bidirectional emission and reception of infrared codes for control of both IR devices from KNX and KNX elements from infrared devices. It allows to control several IR devices from the same device allowing to storage up to 255 codes. Besides, ALU and timers/counters are supported. Mounting can be hidden, but the led terminal must be visible and focused on the IR devices (receivers and transmitters).

Characteristics

- Maximum distance: 8 m
- Maximum number of record codes: 255
- Suitable for IR transmitters and receptors in 40 KHz bandwidth
- Screw terminal for IR receiver and emitter
- IR receiver polarity connection must be respected:
 - +5: red wire
 - GND: black wire
 - Data: white wire
- IR emitter polarity connection must be respected:
 - +: red wire
 - -: white wire

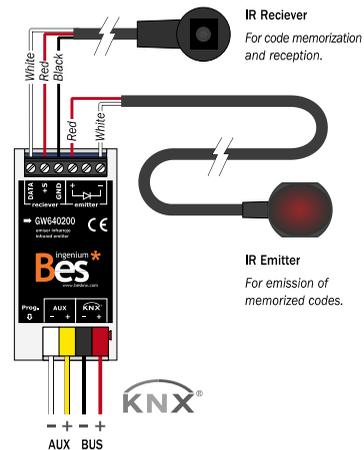
Technical information

Power supply	29 V _{DC} from auxiliary KNX power supply
Current Consumption	20 mA
Connections	BUS connection terminal KNX. Screw terminal for IR receiver and emitter
IR bandwidth	40 kHz
Storage capacity	255 infrared codes
Mounting / Size	Universal distribution box 75 x 30 x 12 mm
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

Installation



Remarks

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.

The incorrect connection of the IR receiver and emitter can cause irreparable damage to the device.

The manufacturer is not responsible for damage to the equipment caused by any incorrect connection.

QR Code

