

Features

SB-IR-EM is a IR Code sending device, and 200 Infrared Codes can be stored in it. By using the HDL IR Learner (another device) to learn the IR Codes from the normal remote, and downloaded into this device. The software can program and use the IR Codes to control the IR Device, such as TV, DVD, AC, Amplifier etc.

- Current detection is available, to assure the device status of TV
- Maximum 200 IR Codes can be stored
- To send the IR codes by using a IR LED

Important Notes

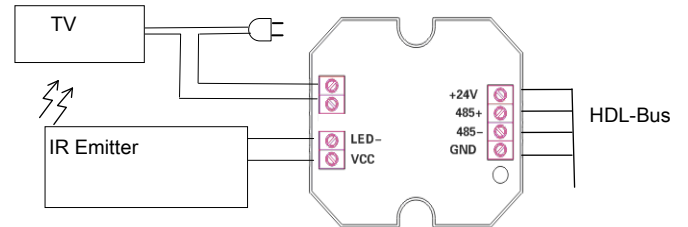
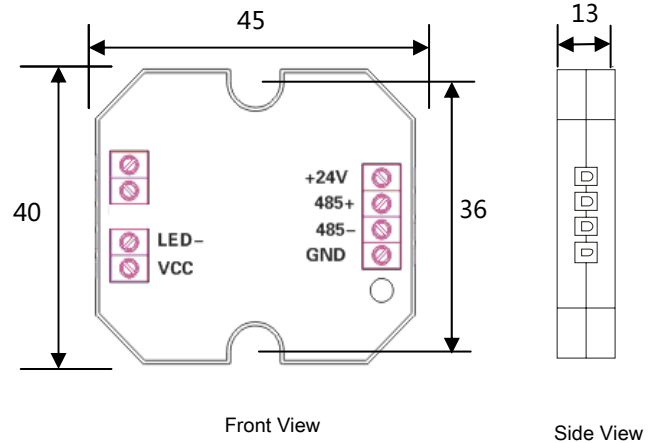
- Bus cable- HDL Bus/KNX Cable, 0.8mm Single Core Copper cable
- Bus Connection - Series connection (hand by hand)
- Installation – Standard 86x86mm Back box
- IR Code sending – Use the IR Emitter , it is a LED which has pole difference, to be installed near the IR Device
- Current Detection: less than 2A

Product Specification

- Working Voltage : DC 12-30 V
- Power Supply : 15mA/DC 24V
- IR Codes Store : maximum 200 IR Codes
- Sending Carrier wave Frequency : 38KHz
- Distance for IR Control : 6m
- Dimension : 44mm×39 mm×12mm
- CE Certification
- Working Temperature : 0~45°C
- Working Relative Humidity : 20%~90%
- Storage Temperature : -40°C~+55°C
- Storage Relative Humidity : 10%~93%
- Protection Degree: IP20

Type

SB-IR-EM



Note : Take TV as an example. Connect the power supply cable to the current detection port, when turn on or turn off the TV, the system will detect the status. And the system will read the current when turn on or turn off the TV. Use the average current of the two values and write it down in the software, "The standby current threshold" , after setting, the system will know the power status of the TV.

HDL-Bus Definition for cable

CAT5/CAT5E	Bus	HDL Bus/KNX Cable
Brown White/ Orange White	COM	Black
Blue white/ Green White	DATA-	White
Blue/Green	DATA+	Yellow
Brown/Orange	DC24V	Red



Safety Attention

- Screw down strength is less than 0.1Nm
- Do not make wrong connection on Bus interface, it will damage the Bus interface this module
- Do not make wrong connection on LED positive pole and negative pole
- Do not get AC240V voltage into Bus wire , it will damage all of devices in system
- Assure a good ventilation circumstances
- Rain, liquid, and aggressive gas are not allowed to close to it