

Parameters

Electrical Parameters:

Buspro power supply	DC12-30V
Buspro power consumption	15mA/DC24V
IR codes store	Maximum 200 IR codes
Sending carrier wave frequency	38KHz
Distance for IR Control	6m

Environmental Conditions:

Working temperature	-5°C~45°C
Working relative humidity	Up to 90%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%

Approved

CE

RoHS

Product information:

Dimensions	45×40×13(mm)
Weight	58(g)
Housing material	ABS
Installation	86×86 back box, screw install
Protection degree	IP20

Important Notes

- Buspro cable — CAT5E or HDL Buspro/KNX cable.
- Buspro connection — Series connection (hand-in-hand).
- 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
- Installation — Screw fix or 86×86 back box installation

Overview



SB-IR-EM is the 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.

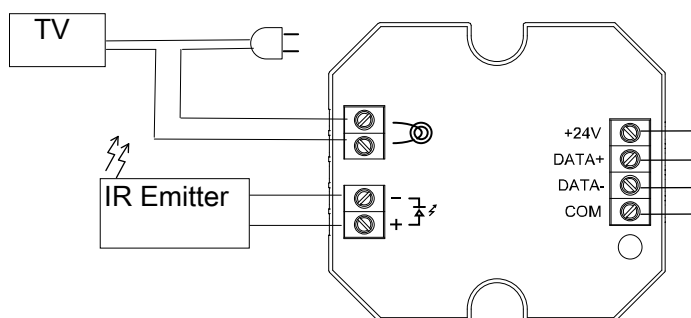
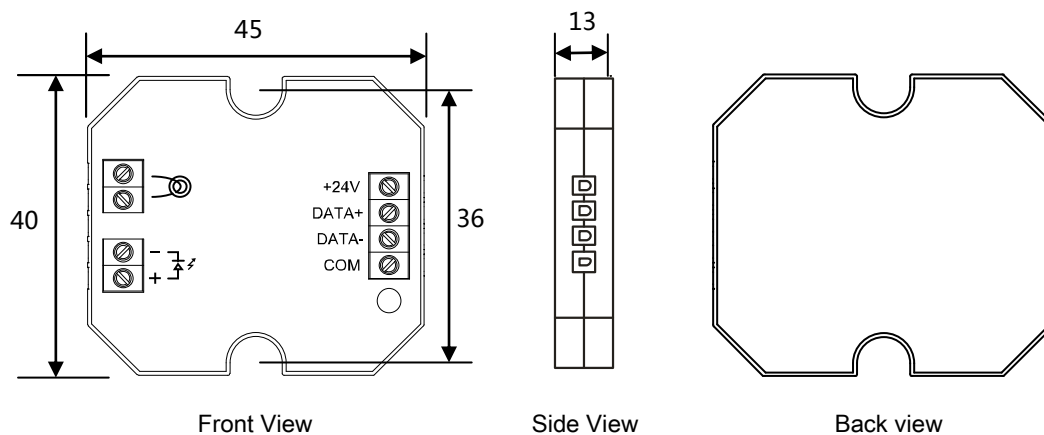
Functions

- Current detecting function for identify device On/Off status.
- Maximum 200 IR Codes can be stored.
- To send the IR codes by using a IR LED.
- Supports upgrade from HDL Buspro.

HDL Buspro Cable Guide

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

Dimensions and Wiring



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.

Safety Precautions



- The screw down torque should not exceed 0.1Nm.
- Ensure that the Buspro interface is correctly connected to the module.
- Do not connect the module to AC power.
- Do not let the module come into contact with hazardous liquids or corrosive gases.

Package contents

- | | |
|---|----|
| ■ Datasheet | ×1 |
| ■ IR Emitter with Current Detector (SB-IR-EM) | ×1 |

