

1. Gateway & Bridge Series
2. Dimming Series
3. Relay Series
4. Climate Series
5. Guest Room Series
6. Human Interface Series

| 7. I/O SERIES

7.13 IR Transceiver 2CH with 2AI MS0502S

8. Power Supply Series
9. Multiroom Audio Series
10. Motorization Series



I DESCRIPTION

The Green IoT CONTROLS (Green IoT) MS0502S IR Transceiver 2CH with 2AI is a GreenBUS I/O device that comes with two analog inputs, two IR transmitters and one IR receiver.

It has an LED indicator (green) that is used during device installation.

The analog inputs allows integration with (3rd party) devices with analog output such as current, temperature, humidity sensors and many others.

The analog input can be used in conjunction with the IR transmitter to create smart control of devices that have only single IR code for On and Off by monitoring the current flow in the device being controlled before transmitting the IR code.

| DEVICE FEATURES

Provides 2 x 0-10V analog input channels.

Provides 2 x infrared output channels.

Supports Zone, Category, Timer and Event control.

Incorporates Zone and Category grouping.

Built-in IR receiver (256 codes).

Built-in Timer engines supporting up to 16 Timers.

Built-in Event engine supporting up to 32 Events with up to 8 triggers, 8 conditions and 128 actions.

32 Flags can be defined to be used as triggers and/or conditions for Event engine.

Programmable onsite or offsite via Smart IoT CONTROLS Configuration Client Software.

Programmed variables are stored in nonvolatile memory and are retained in case of loss of mains or GreenBUS power.

Supports online upgrade.

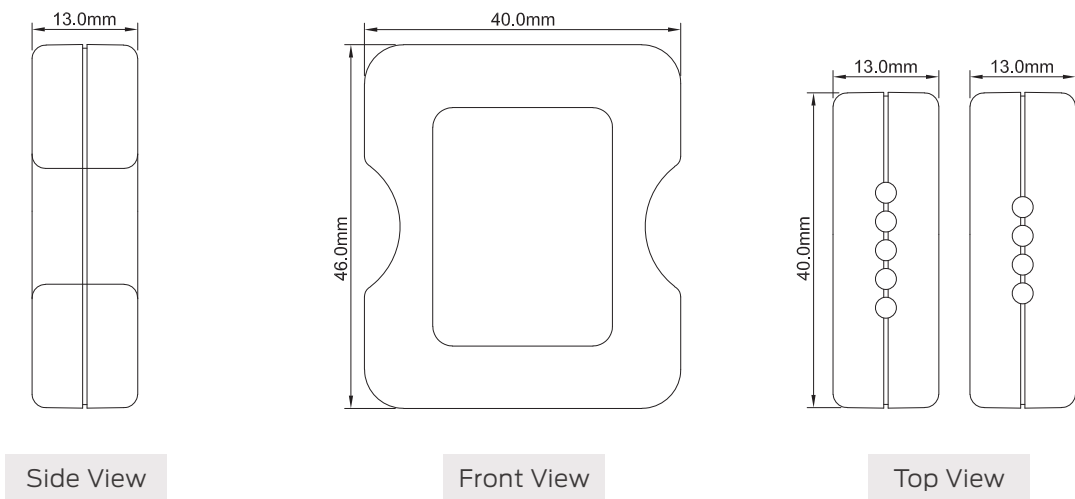
CE & RoHs certified.

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TECHNICAL SPECIFICATIONS

Operation Voltage:	DC 24V ±10% (BUS Powered)
Power Consumption:	20mA ±10%
Channel:	2 IR outputs, 2 Analog inputs
Working Temperature:	0°C ~ +55°C
Storage Temperature:	-10°C ~ +55°C
Working Humidity:	20% ~ 90%
Storage Humidity:	10% ~ 90%
Color:	Grey
Installation:	Back box or Others
Device Dimension:	40x46x13mm (WxHxD)
Packing Dimension:	50x55x35mm (WxHxD)
Net Weight:	20g
Gross Weight:	32g
CE Mark:	In accordance with EMC and LVD
Protection Class:	IP20, EN60 529

DIMENSIONS



I INSTALLATION

Step 1: Option 1

The device can be installed in numerous locations and its small and compact design makes it ideal for installation into in-wall or surface mounted back boxes (see Figure 1).

Step 1: Option 2

Additionally, other installation methods are allowed as required by the solution's design.

Step 2:

Wire remaining terminals in accordance with wiring diagram (see Figure 2).

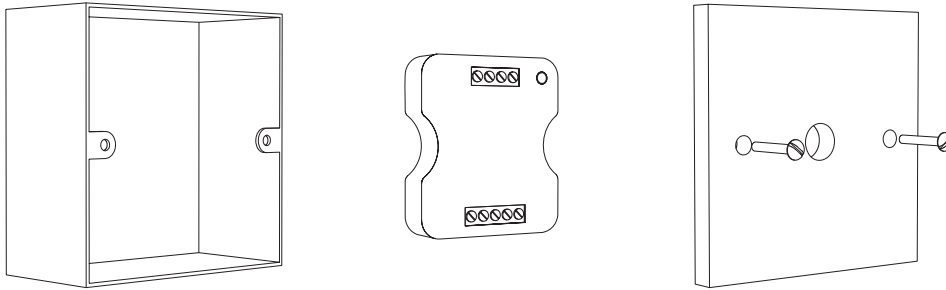


Figure 1

WIRING DIAGRAM

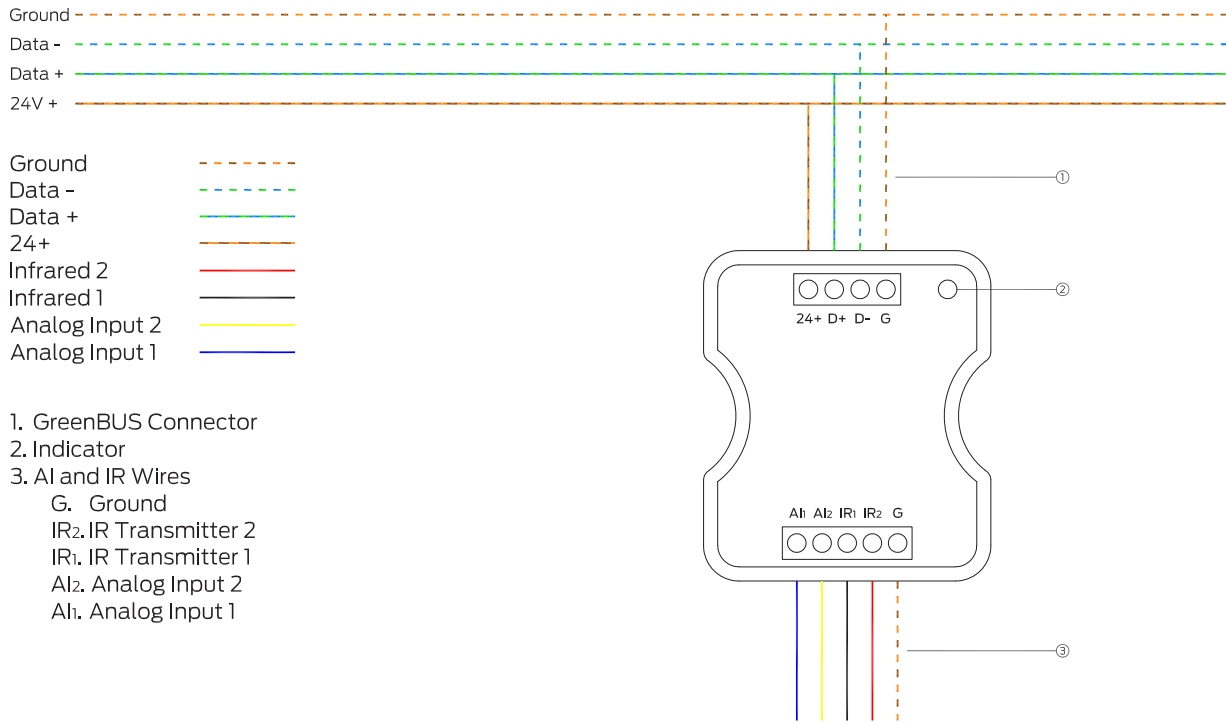


Figure 3: Wiring Diagram

RECOMMENDED CABLES

Module power input cable:
2.0mm² electrical copper wire.

Load output wire:
2.0mm² electrical copper wire.

Recommended cable configuration:
 GND = Brown and White + Orange and White
 B-(B)= Blue and White + Green and White
 B+(A)= Blue + Green
 24V = Brown + Orange

