

| 1. GATEWAY & BRIDGE SERIES

1.4 RS232/RS485 Bridge, DIN rail RSGW2SD

2. Dimming Series
3. Relay Series
4. Climate Series
5. Guest Room Series
6. Human Interface Series
7. I/O Series
8. Power Supply Series
9. Multiroom Audio Series
10. Motorization Series



I DESCRIPTION

The Green IoT CONTROLS (Green IoT) RSGW2SD RS232/RS485 Bridge, DIN rail is a 3-way protocol communication converter which is used to connect between the GreenBUS and third-party device(s) with RS485 and/or RS232 interfaces such as security and audio/video systems.

It also can work as a gateway between GreenBUS Subnets if required.

It has an LED indicator (green) to show the status of the device during operation.

Additionally, it incorporates advanced control features of Timers and Events via its built-in Event engine which supports up to 32 Events. Each event can include up to 8 triggers, 8 conditions and 128 actions.

| DEVICE FEATURES

LED status indicator (green), which can indicate the status of the device operation.

RS485 communication interface with selectable baud rate.

RS232 communication interface with selectable baud rate.

Supports Zone, Category, Scene, Sequence, Timer and Event control.

Incorporates Zone and Category grouping.

Simple, sliding module connection ensures error-free GreenBUS installation.

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.

Built-in Timer engines supporting up to 16 Timers.

Support all GreenBUS functions.

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.

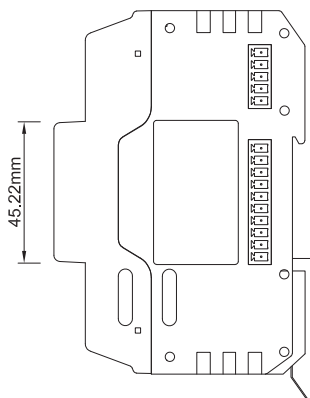
Supports local and online upgrade.

CE & RoHS compliant.

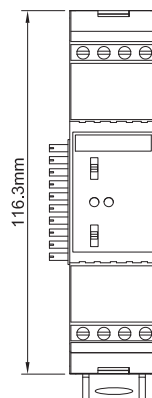
I TECHNICAL SPECIFICATIONS

Operation Voltage:	DC 24V ±10% (BUS Powered)
Power Consumption:	20mA ±10%
Working Temperature:	0°C ~ +55°C
Storage Temperature:	-10°C ~ +55°C
Working Humidity:	20% ~ 90%
Storage Humidity:	10% ~ 90%
Installation:	35mm DIN rail mounting, EN50022
Color:	Grey
Module Dimension:	27.85 x116.3x80.3mm (WxHxD)
Packing Dimension:	65x125x90mm (WxHxD)
Net Weight:	50g
Gross Weight:	85g
Operation and Display:	Green LED, displaying the physical status
CE Mark:	In accordance with EMC and LVD
Protection Class:	IP20, EN60 529

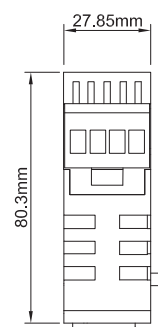
I DIMENSIONS



Side View



Front View



Top View

I INSTALLATION

Step 1:

Turn the module (see Figure 1) and mount it on the 35mm DIN rail. Hook the module, top first, onto the DIN rail then gently press the bottom of the module onto the rail and ensure that it latches on firmly (see Figure 2).

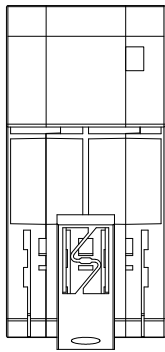


Figure 1

Step 2:

Join the modules together by sliding them together along the DIN rail ensuring that the GreenBUS plug (see Figure 2) fully locates into the next modules GreenBUS socket (see Figure 3).

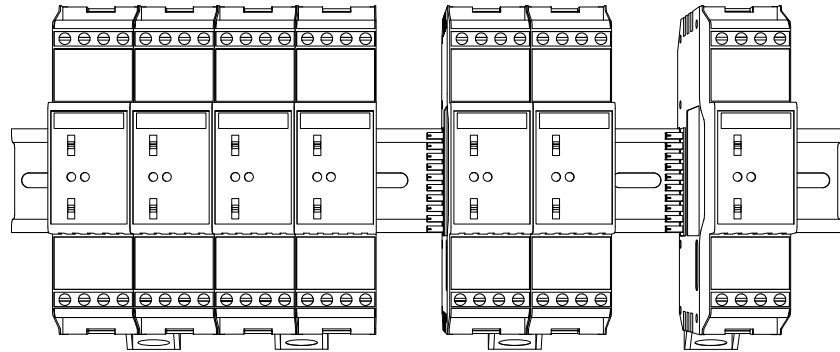


Figure 2

Step 3:

Wire remaining terminals in accordance with wiring diagram (see Figure 4).

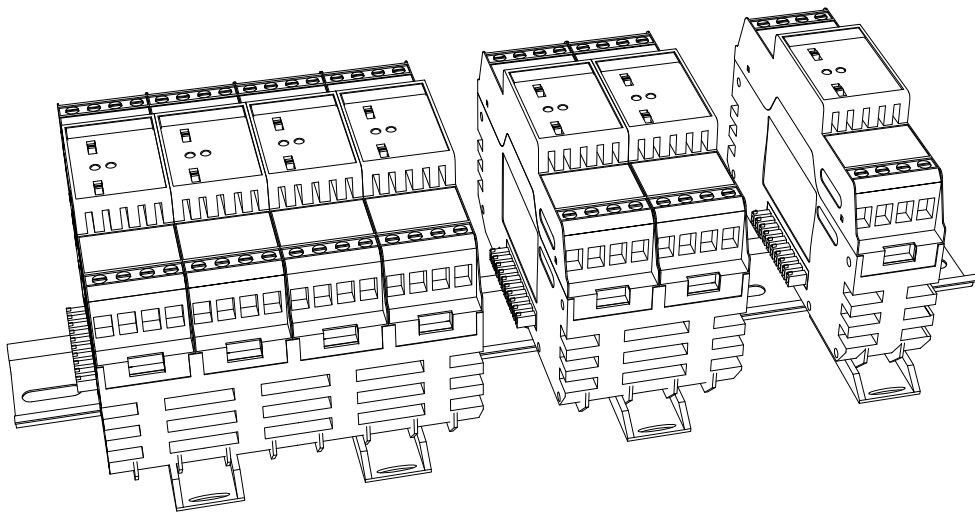


Figure 3

WIRING DIAGRAM

I/O Wire

1. Label(s)
2. GreenBUS Connector
3. LED Indicator(s)

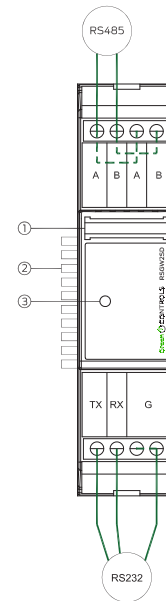


Figure 4: Wiring Diagram

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**

