

1. Gateway & Bridge Series
2. Dimming Series
3. Relay Series
4. Climate Series

| 5. GUEST ROOM SERIES

5.7 Guest I/O MODULE 14CH **GIODA14**

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) GIODA14 Guest I/O Module 14CH is a GreenBUS I/O device designed to complement the guest room series other modules providing cost effective solution for areas such as office buildings, hotels, shopping malls and other spaces with limited budget and/or requirement.

It comes with 2 x 0-10V/0-22mA signal input channels used for integrating (3rd party) analog output sensors and other applications. It's equipped with a tri-state switch that allows the selection between 0-10V and 0-22mA mode.

And, it provides 2 x 0-10V signal output channels used for fluorescent lamp dimming, climate control and other applications.

Additionally, it provides 10 dry contact digital input channels that allows the use of standard light switches (3rd party), door/window contacts, flood, pressure, motion sensors and any other digital output.

The module is also coming with a dip switch that allows the Green IoT wired module to be Blue IoT CONTROLS (Blue IoT) ready enabling it to wirelessly join our meshed network system using the Green/Blue Bridge.

| DEVICE FEATURES

Provides 2 channels 0-10V/0-22mA signal analog input.

Provides 10 channels digital input.

Provides 2 Channels 0-10V signal analog output.

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

Module's I/O can easily be swapped out via plug-in system for fast and cost-effective maintenance.

No earth is required.

Incorporates current detection, overload, overheat and short circuit protection (replaceable fuse).

LED indicates load status of each channel.

Incorporates Zone and Category grouping.

Built-in Scene, Sequence and Timer engines supporting up to 32 Scenes, 8 Sequences and 16 Timers.

Built-in Event engine supporting up to 32 Events with up to 8 triggers, 8 conditions and 128 actions (not exceeding 512 actions per module).

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.

Digital input for fire alarm integration.

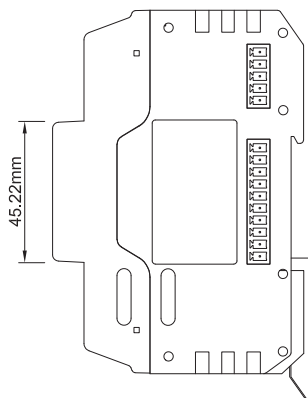
Supports local and online upgrade.

CE & RoHs certified.

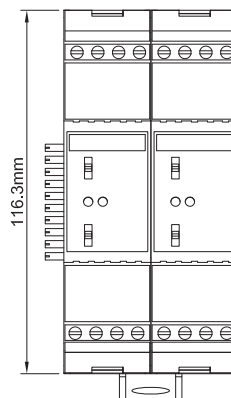
TECHNICAL SPECIFICATIONS

Operation Voltage:	DC 24V \pm 10% (BUS Powered)
Power Consumption:	45mA \pm 10%
Channel Input:	2 Channels 0-10V/0-22mA AI, 10 Channels DI
Channel Output:	2 Channels 0-10V AO
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
Module Dimension:	55.78x116.3x80.3mm (WxHxD)
Packing Dimension:	65x125x90mm (WxHxD)
Net Weight:	200g
Gross Weight:	240g
Operation and Display:	Red and Green LED, for displaying the physical status
CE Mark:	In accordance with EMC and LVD
Protection Class:	IP20, EN60 529

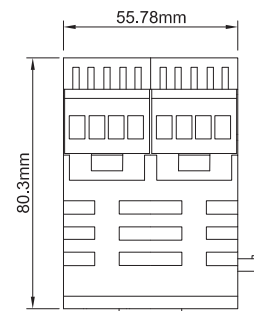
DIMENSIONS



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).

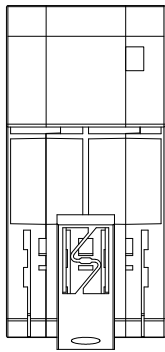


Figure 1

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).

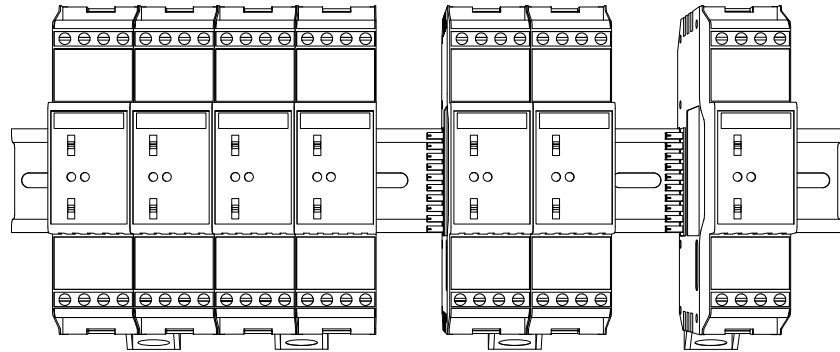


Figure 2

Step 3:

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

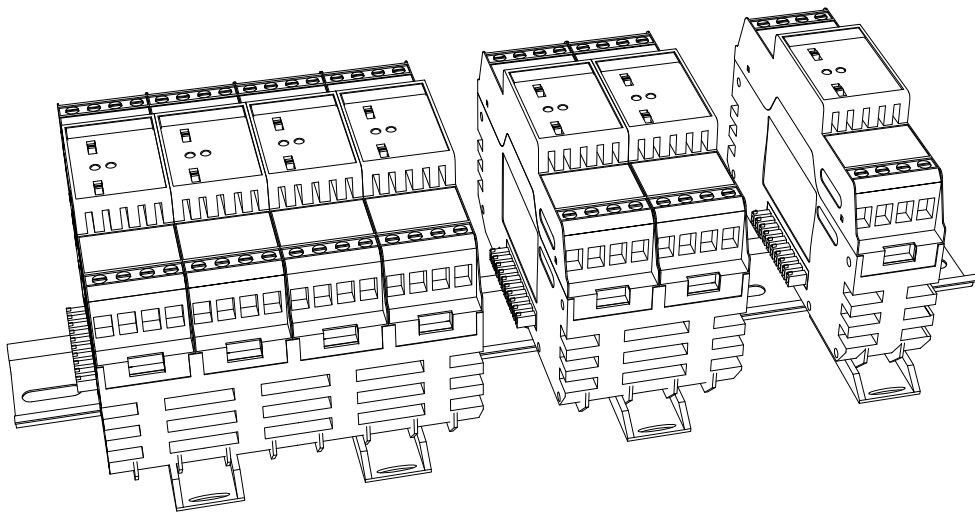


Figure 3

WIRING DIAGRAM

Ground - - - - -
 I/O Wire —————

1. Label(s)
2. GreenBUS Connector
3. LED Indicator(s)
4. Analog Input Mode Control

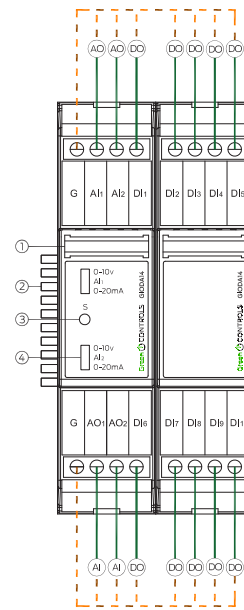


Figure 4: Wiring Diagram

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**

