

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

7.2 Analog Input Module 4CH, 0-10V/0-20mA AI0402S

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



DESCRIPTION

The Green IoT CONTROLS (Green IoT) AI0402S Analog Input Module 4CH, 0-10V/0-20mA is a GreenBUS input device with 4 x 0-10V/0-20mA signal input channels; it is typically used to integrate (3rd party) analog output sensors and other devices.

The module is provided with a status LED to indicate the output status and can be used to identify the module during system configuration. For ease of installation the modules are DIN rail mounted.

The module comes equipped with a tri-state switch that allows switching of 2/4 channels of the module between 0-10V and 0-20mA operation mode.

Additionally, and aside from controlling individual channels it incorporates group control of Zone and Category.

It also incorporates advanced control features of Scene, Sequence, Timer and Event.

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 4 x 0-10V analog input channels.

Tri-state switch that allows switching of 2/4 channels between 0-10V and 0-20mA.

Provides integration with security and safety systems.

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

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.

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.

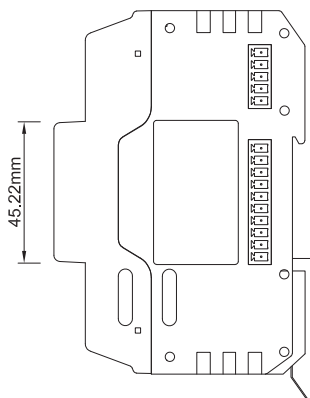
Supports online upgrade.

CE & RoHs certified.

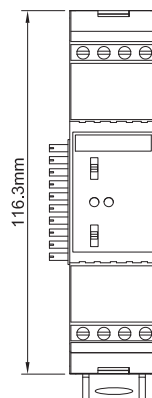
I TECHNICAL SPECIFICATIONS

Operation Voltage:	DC 24V ±10% (BUS Powered)
Power Consumption:	30mA ±10%
Channel:	4 Analog inputs (0-10V) 2 of wich supports (0-20mA)
Working Temperature:	0°C ~ +55°C
Storage Temperature:	-10°C ~ +55°C
Working Humidity:	20% ~ 90%
Storage Humidity:	10% ~ 90%
Color:	Grey
Installation:	35mm DIN rail mounting, EN50022
Device Dimension:	55.78x116.3x80.3mm (WxHxD)
Packing Dimension:	65x125x90mm (WxHxD)
Net Weight:	50g
Gross Weight:	85g
Operation and Display:	Green LED, for displaying the physical status
CE Mark:	In accordance with EMC and LVD
Protection Class:	IP20, EN60 529

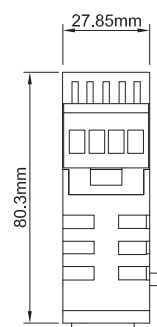
I DIMENSIONS



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).

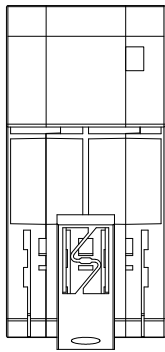


Figure 1

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).

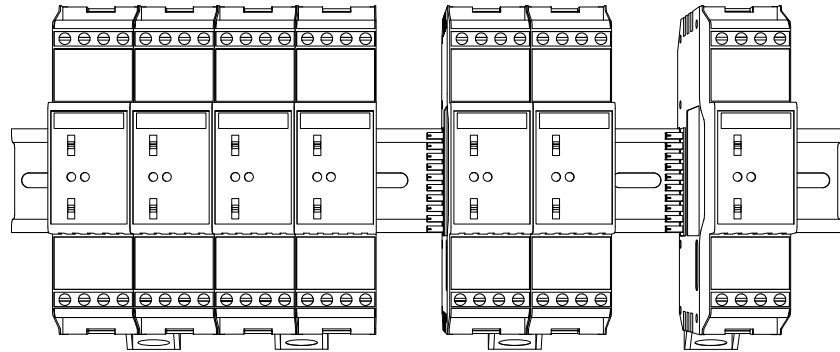


Figure 2

Step 3:

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

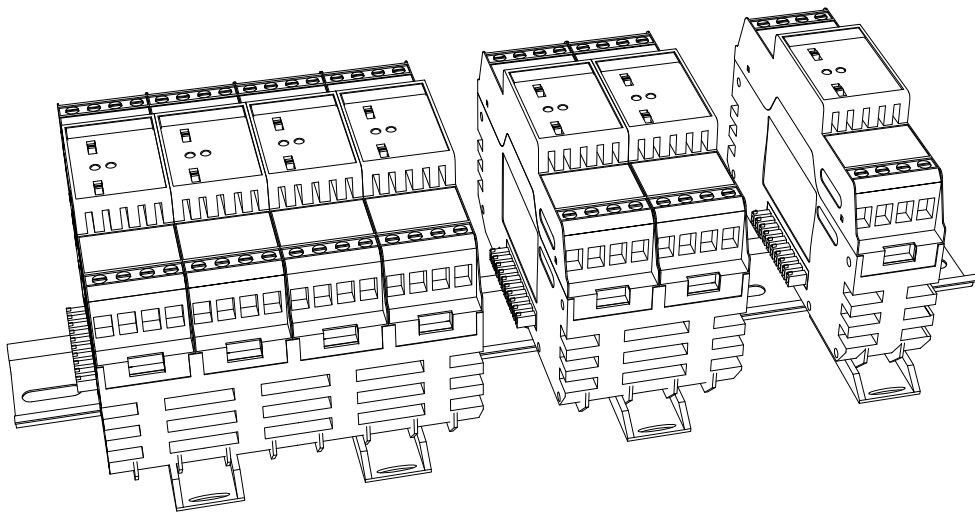


Figure 3

WIRING DIAGRAM

Ground - - - - -
 I/O Wire — — — — —

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

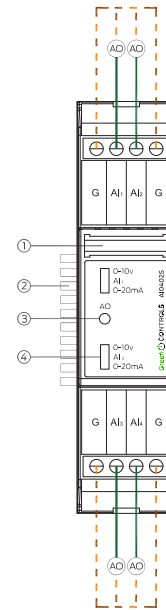


Figure 4: Wiring Diagram

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

