

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
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| 8. POWER SUPPLY SERIES

8.1 Power Supply Advanced Module, 2A PM2402A

9. Multiroom Audio Series
10. Motorization Series



I DESCRIPTION

The Green IoT CONTROLS (Green IoT) PM2402A Power Supply Advanced Module, 2A is a power supply device that supplies power to the GreenBUS system. It is an integral part of GreenBUS installations. Designed to supply a clean, constant flow of power to the GreenBUS, the device provides reliable performance whilst being energy efficient.

The Power Supply Advanced Module provides the source of power that is utilized by the GreenBUS network, by transforming the AC power into DC 24V which is directly feed into the GreenBUS network via its GreenBUS edge connector. Additionally, the device provides a separate digital output that connects to other Green IoT devices' digital input allowing the report of any power instability or failure. It provides overload and short-circuit protection to protect the installed Green IoT Green IoT devices.

It also can be used in the Primary and Backup mode by installing two modules in a row. If the primary power supply fails the backup takes over without any interruption to the GreenBUS and the Green IoT devices connected.

Additionally, the Power Supply Advanced Module can be supplied by solar power to energize the entire GreenBUS network thus enabling full management of the devices in the property free of cost.

| DEVICE FEATURES

AC 110~240V (50Hz/60Hz)/DC and/or 24V DC.

1 Digital Output.

Manual switches for enabling/disabling the 24V DC flow.

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.

Configurable onsite via onboard switches.

LED's for displaying the AC/DC connection and power flow.

Digital input for fire alarm integration which can be enabled or disabled via onboard switch.

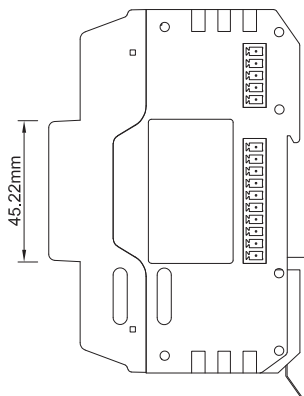
Short circuit, overload and grounding fault protection.

CE & RoHs certified.

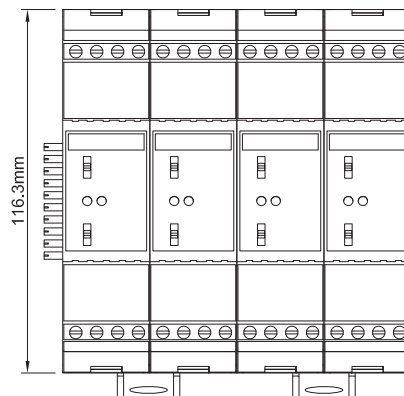
TECHNICAL SPECIFICATIONS

Operation Voltage:	AC 110~240V (50Hz/60Hz)/DC 24V
Power Output:	DC 24V (BUS Power)
Operation Current & Protection:	2A with over heat, short circuit, overload and ground-ing fault protection
Channel Output:	1 Digital Output
Working Temperature:	0°C ~55°C
Storage Temperature:	-10°C ~55°C
Working Humidity:	10% ~ 90%
Storage Humidity:	10% ~ 90%
Color:	Grey
Installation:	35mm DIN rail mounting, EN50022
Module Dimension:	111.66x116.3x80.3mm (WxHxD)
Packing Dimension:	124x125x90mm (WxHxD)
Net Weight:	425g
Gross Weight:	480g
Operation and Display:	Green and Red LED, for displaying the status
CE Mark:	In accordance with EMC and LVD
Protection Class:	IP20, EN60 529

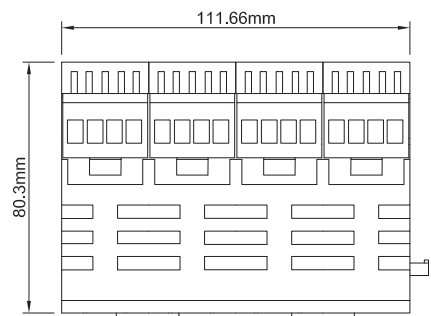
DIMENSIONS



Side View



Front View



Top View

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).

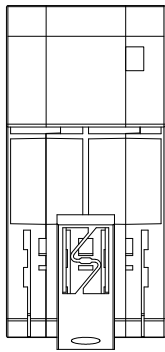


Figure 1

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).

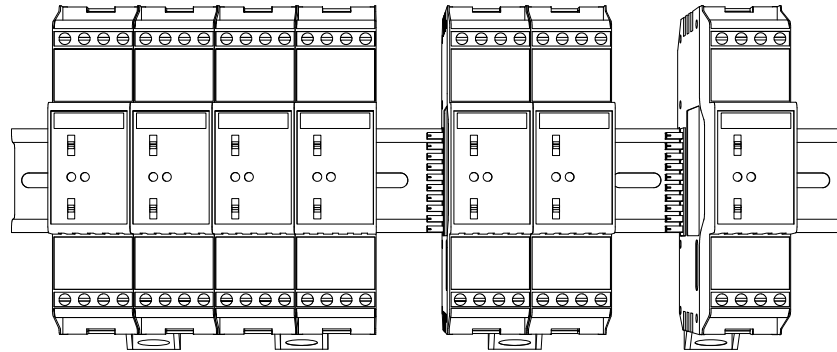


Figure 2

Step 3:

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

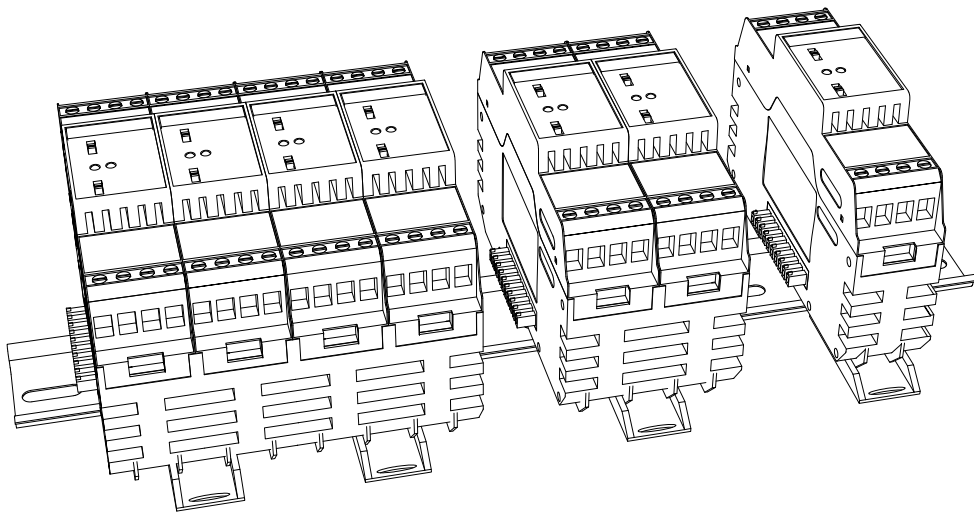


Figure 3

WIRING DIAGRAM

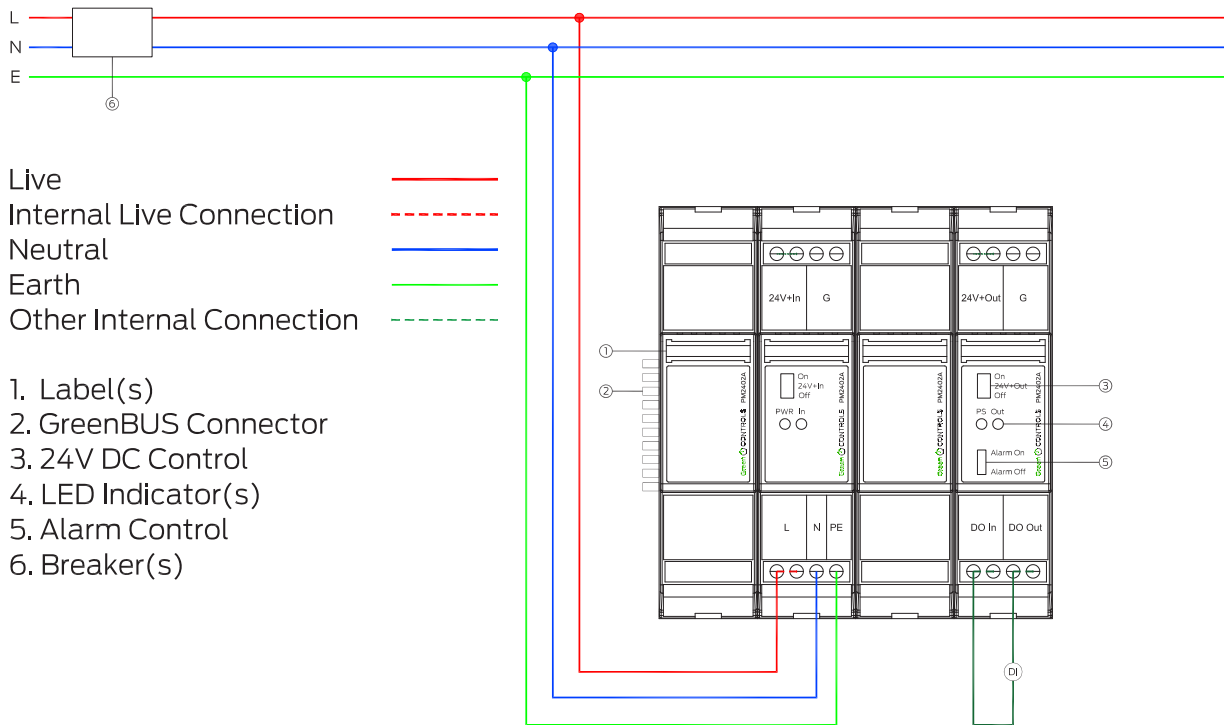


Figure 4: Wiring Diagram

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

