SMARTHOMEBUS

G4 Generation-4 SBUS

SB-RLY4C16A-DN
Relay 4Channel 16Amp

DIN-Rail Mount Switched Pass Through Relay 4ch 16A /per ch. with scene controller Multi Phase, Multi-Current, Multi voltage. Software Selectable programmable Motor function: Double Throw Dipole Grouping. Work 220/110 VAC, 50-60Hz as well as 1.5-48VDC (Green operated supplied by 24VAC/12mA) Small and elegant with easy labeling space, output status LED indicator, network health, broadcast address button and Momentary channel button. Can be used in any location that require energy saving, intelligent control such as apartment, Villa, Offices, Restaurant, Hotels or factories. *Can be Manually Programmed by any Electrician on site without need for PC.
 ** (This is an Advanced 2-way module. Changing load status manually reflect and update on all Connected SW & Devices)

technical data G4

Supply
80-240VAC, 50/60Hz 1-3Phase and Pass through 1.5-48VDC. power consumption: 20-30mA

Outputs
4 x Isolated &Separated Switched Pass through outputs rated at 16A each output ch.

Maximum Total Load
64A total load of all channels

Control IO
3 x Advanced RS485 S-BUS serial port links (both train & screw link types)

Upgrade IO
1 x mini USB port (to connect to special programming board)

User Controls
• front panel override switches, Includes ON/OFF/AUTO override switch for each channel
• LED status indicator/channel
• Diagnostic LED+ BROADCAST

Programming
• Manual Ch. Pairing Programming Each Channel to a Button on Wall Panels (e.g. DDP, 6B)
• Advanced Software Configuration & Programming

Compliance
CE Mark Low Voltage
CE Mark EMC

Internal Protection
• Over Load Protection
• Protecting Delay 0-60min
• Startup Delay 0-25 Sec.
• BUS Rv. Polarity Protection
• BUS Short Circuit Protection

Preset and Scenes
4X12 Built in Scenes, and 4X2 Sequence Modes and Logics.

Installation
• 35mm DIN-Rail Mount Ready
• Wall Mount Ready (8P)

SBUS DC Supply
24VDC with flexible tolerance between 12-32VDC. Flexible ability to add power supply as to be needed any where

Supply Terminals
4 each is good for 2 x 2.5mm₂ or 1 x 4mm₂ max conductor size

Output Terminals
4 each is good for 2 x 2.5mm₂ or 1 x 4mm₂ max conductor size

Operating Environment
0° to 45ºC ambient temperature 10% to 93% RH

Enclosure & Size
Polycarbonate, DIN-rail (8 Unit)

Dimensions & Weight
W 91mm x L 145mm x H 75mm
Packed weight 0.55kg

load compatibility G4
• All Types of Lighting • Water Heaters & Appliances
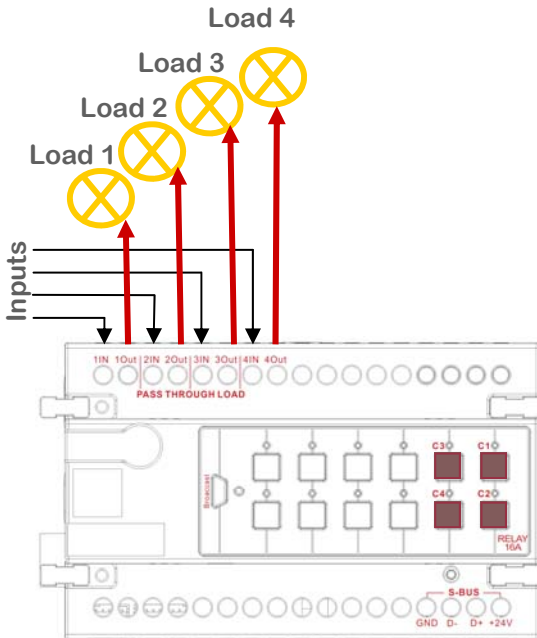• Water Pumps & Solenoids • Track lighting • Sirens, Flashers++

S MESH commercial G4
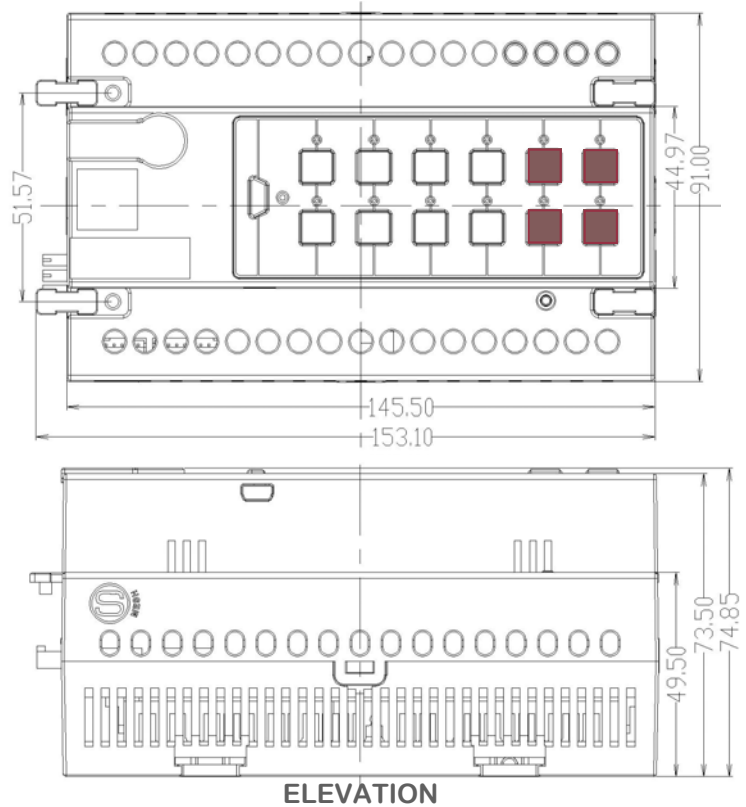GTIN (UPC-EAN): 0610696254429
Patent P. No: 201110123081.0

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electrical diagram G4

Load 4
Load 3
Load 2
Load 1

Inputs

1IN 1Out 2IN 2Out 3IN 3Out 4IN 4Out

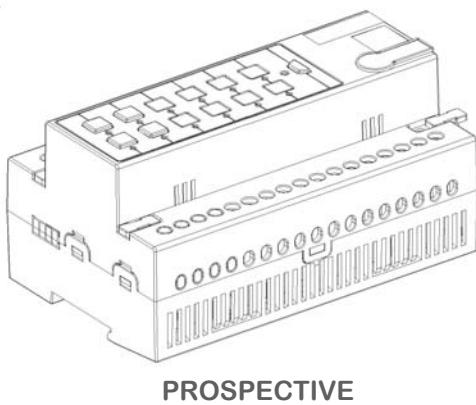PASS THROUGH LOAD

C3 C1
C4 C2

RELAY 16A

S-BUS
GND D- D+ +24V

*Loads Inputs Can be from Different Phases and different Voltage or frequency. Accept ELV: 80-240VAC, and ELC: 1.5-48VDC
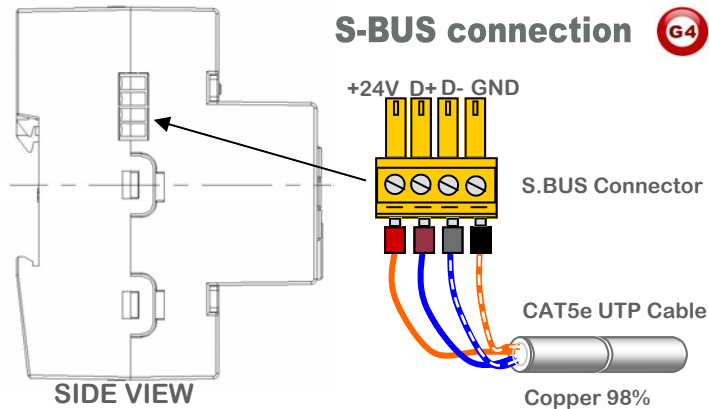
mounting dimensions G4

51.57
44.97
91.00
145.50
153.10

73.50
74.85
49.50

ELEVATION

⚡ **Warning: this is an electrical product, it must be installed only by trained & licensed electrician**

PROSPECTIVE

SIDE VIEW

S-BUS connection G4

+24V D+ D- GND

S.BUS Connector

CAT5e UTP Cable

Copper 98%

UTP core colors G4

S.BUS +24V	orange
S.BUS GND	w/orange
S.BUS D+	blue
S.BUS D-	w/blue
Spare	green
Spare	w/green
Spare +12v	brown
Spare -12V	W/brown