SMARTHOMEBUS

G4 Generation-4 SBUS

SB-9in1T-CL
Multi-functional 9in1 sensor w/Temp.

Bus Enabled, Addressable Ceiling Mountable 9in1 Multi-Functional sensor. One device has 9 functions designed perfectly for Automation Industry techno-lifestyle needs. This All-in-One device contains: (addressable Motion sensor, light intensity LUX sensor, Infrared receiver for easy access by remote control, 360 degrees infrared transmitter to control 250 IR codes of electronic equipment like TV, DVD...etc., addressable 2-Zone Dry contact inputs one is for Safety, and one is for Security to connect to the room window sensor and smoke detector or any other sensor, save the wiring and programming time, it has 32 Logic lines (if, then, and or, nand, nor), and it support Burglar Security Code input checking, arming and disarming, it has Built in Temperature Sensor that can be paired to HVAC2 Module, and for other reading needs) **Added function: Easy S-BUS Connectors, Temperature Sensor, and mini USB firmware upgrade port, & Advanced mechanical design and size to fit ceiling boxes twist in.

technical data G4

Inputs
2-Dry Inputs (Volt Free) +
1 PIR 10mX110 degrees ,
1 LUX Sensor Inbuilt,
IR Receiver inbuilt,
1 Temperature sensor inbuilt.

NO/NC
Internal Assignment enabled

Applications
· Security Applications in connection to: (vibration, UV, magnetic contacts, Panic, Pressure matt, PIR, microwave, Driveway sensors...etc.)
· **Safety Applications** in connection to: (Gas Leak, Smoke, Pool Guard, Elevator Panic, CO gas, Bathroom Help..etc.)
· Maintenance and Health Applications in connection to: (water Leak detector, water tank low level alert, Filter sensor...etc.)
· Logic Control
· HVAC and energy Saving
· Media IR control

User Controls
· LED status indicator/channel
· Diagnostic LED+ BROADCAST

Programming
· Advanced Software Configuration & Programming
· Manual pair to HVAC & 1Light

Compliance
CE Mark EMC

Controls
1 x Advanced RS485 S-BUS serial port links (screw link)
1 x 360 degree IR emitter
32 logic lines & 250 prog. Flags
250 IR codes can be saved
Burglar security and Home safety Zone control function.

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

Operation Protection
· BUS Rv. Polarity Protection
· BUS Short Circuit Protection

SBUS DC Supply
24VDC with flexible tolerance between 12-36VDC. Flexible ability to add power supply as to be needed any where
Power consumption: 15mA

Installation
· Ceiling Mount Twist & Lock Ready

Operating Environment
0° to 45°C ambient temperature
20% to 93% RH

Enclosure Material
Polycarbonate

Dimensions & Weight
W 85mm x L 85mm x H 39mm
Packed weight 0.15 kg

control compatibility G4
· Security   · Safety   · Maintenance   · Health
· Automation   · Media control   · HVAC

S MESH   commercial G4
GTIN (UPC-EAN): 0610696253996
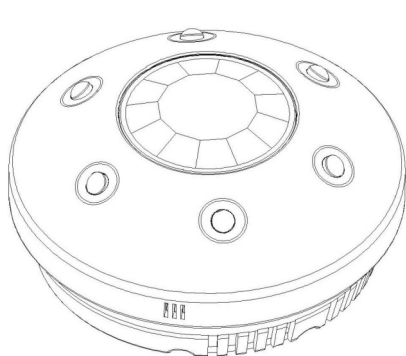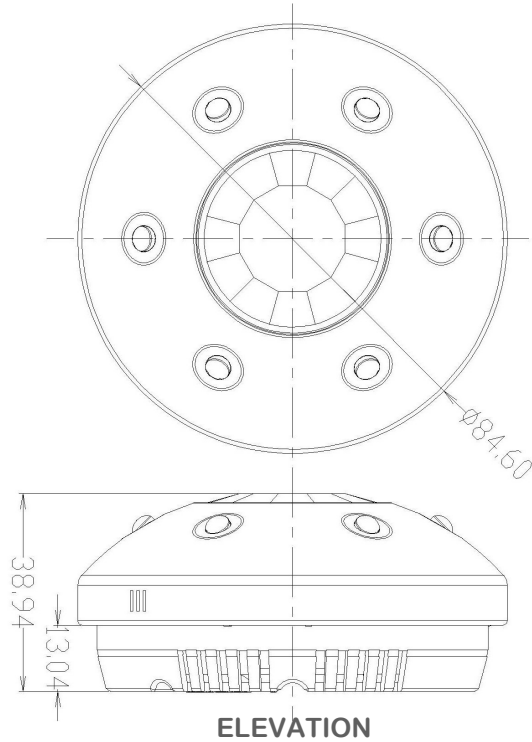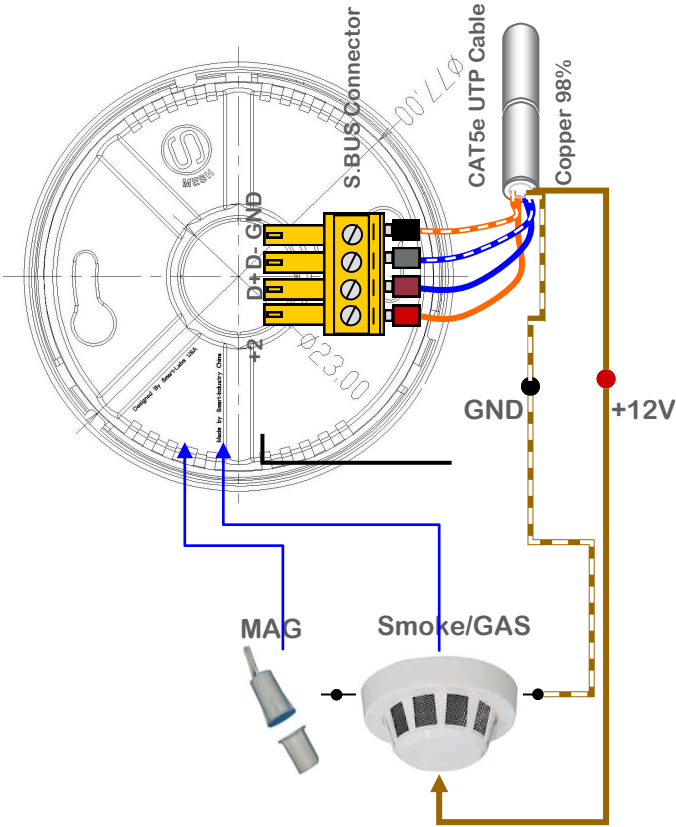Patent P. No: 201110123081.0
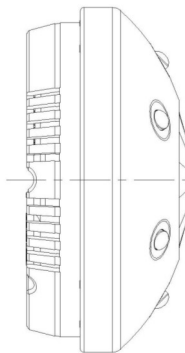Patent P. No: 201120213375.8

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connection diagram G4

S.BUS Connector

CAT5e UTP Cable

Copper 98%

+2 D+ D- GND

GND   +12V

MAG   Smoke/GAS

mounting dimensions G4

Ø77.00

Ø23.00

Ø84.60

38.94

13.04

ELEVATION

PROSPECTIVE

SIDE VIEW

S-BUS connection G4

+2 D+ D- GND

S.BUS Connector

CAT5e UTP Cable

Copper 98%

РСТ

RoHS

CE
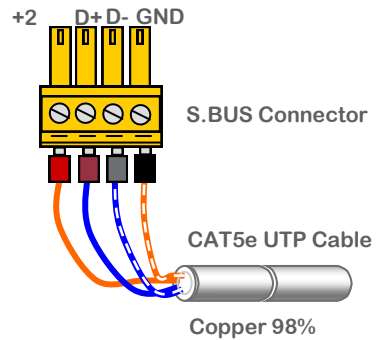
UTP core colors G4

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