

G-Mesh REL0004

Bluetooth Long-Rang control unit for switch load.

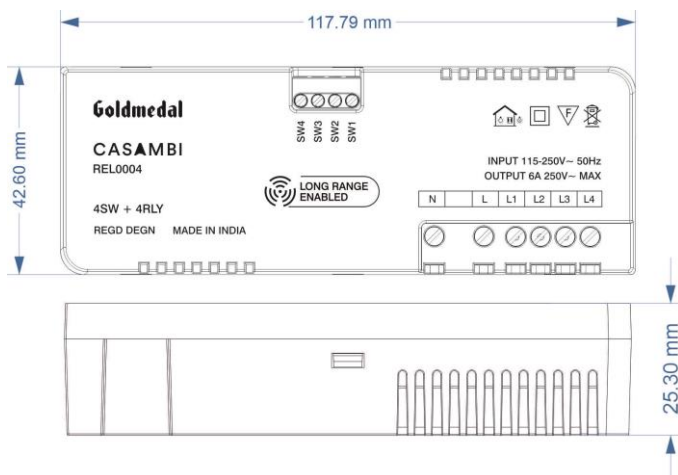


Warning!



Hazardous voltages. Risk of electric shock or fire. Only qualified professionals should make the connections. Disconnect the mains power supply and verify its absence prior to installation.

PRODUCT DIMENSION (IN MM)



DISPOSAL INSTRUCTIONS

In line with EU Directive 2012/19/EU for waste electrical and electronic equipment (WEEE), this electrical product must not be disposed of as unsorted municipal waste. Please dispose of this product by returning it to the point of sale or to your local municipal collection point for recycling.

PRODUCT DESCRIPTION

REL0004 is a wireless, long-range Relay control unit for any type of single phase 4 individual loads with maximum current capacity of 6A of each load.

The Relay module is controlled by the CASAMBI application.

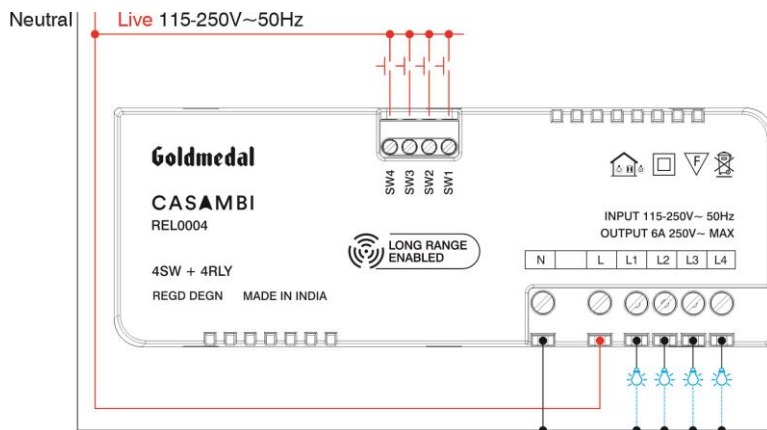
The module is directly connected to 115-265VAC and contain 4 output with same voltage range and maximum current capacity of each relay is 6A only with 4 inputs for dry contact push button.

The function of each button can be freely programmed in the network like bellow.

- Scenes / Master Functions
- Individual Switching / Group Control
- Dimming
- Curtains
- Aircon switching
- Temperature control

The extremely compact housing design allows a simple installation in flush-mounted boxes or in a cable duct.

WIRING DIAGRAM



****Note 1:** 1Relay selected profile is only capable to control L1 load.

****Note 2:** 2Relay selected profile is only capable to control L1 and L2 loads.

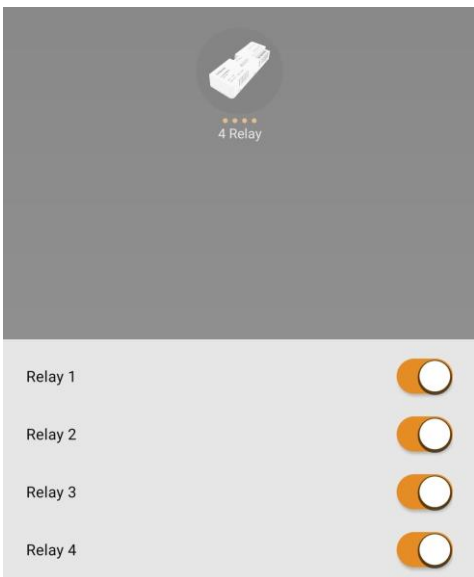
****Note 3:** 3Relay selected profile is only capable to control L1, L2 and L3 loads

****Note 4:** 4Relay selected profile is only capable to control L1, L2, L3 and L4 loads

****Note 5:** SW1, SW2, SW3 and SW4 are capable to provide Push Button features of CASAMBI. These switches act as toggle switch. All are freely programmable.

****Note 6:** Wire gauge 0.5 -0.75 mm² for SW

****Note 7:** To avoid Electrical interference of push button REL0004 keep closer to control Switch (Max 5m) (CAT6 not recommended)



****Relay 1 control L1 load**

****Relay 2 control L2 load**

****Relay 3 control L3 load**

****Relay 4 control L4 load**

PUSH BUTTONS		
Push Button 1	Not in use	>
Push Button 2	Not in use	>
Push Button 3	Not in use	>
Push Button 4	Not in use	>
Controls what happens when a push button is used.		
Use toggle	<input type="checkbox"/>	

****This Feature are available in (More) then select (Switches)**

TECHNICAL DATA

Input

- Voltage range: 115-250 VAC
- Frequency: 50Hz

Mains Output

- Max. mains current: 6A EACH RELAY
- Voltage range: 115-250 VAC
- Frequency: 50 Hz

Radio transceiver

- Operating frequencies: 2402...2480 Mhz
- Maximum output power: +8 dBm

Operating conditions

- Ambient temperature, ta: -20...+50°C (Iout 0 A)
- Max. case temperature, tc: +75 °C
- Storage temperature: -25...+75 °C
- Max. relative humidity: 0...80%, non-cond.

Connectors

- Wire range, multi str, stranded: 1.5 mm2
14-22 AWG
- Wire strip length: 6-7 mm
- Tightening torque: 0.4 Nm

Mechanical data

- Dimensions: 117.79 x 42.6 x 25.3 mm
- Weight: 95 g
- Degree of protection: IP20 (indoor use only)
- Protection class: Class II

RANGE

- Radio coverage indoors up to 50m
- Radio coverage open Air up to 155m

**The REL0004 enables long-rang capabilities only when the long-range radio mode has been selected and all the other device within the network are long-range capable.

COMPATIBLE DEVICES

Android and iOS Operating Systems.



CASAMBI support the latest OS versions for Android and iOS, and their last two major versions respectively



INSTALLATION

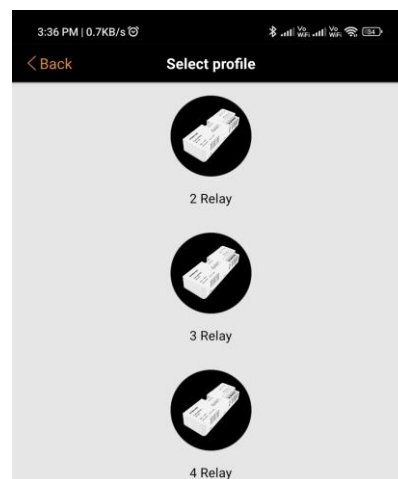
Make sure that the mains voltage is switched off when making any connections. Use 1.5 mm2 solid or stranded conductor electrical wires. Strip the wire 6-7 mm from the end.

Insert the wires into the corresponding holes and tighten the connector screw. Make sure to connect the input and outputs correctly. The mains input connector is marked with letters L and N stands for Live and Neutral, while the mains output connector is marked with letters L1, L2, L3 and L4 stands for 1st Load output, 2nd load output, 3rd load output and 4th load output simultaneously. 4 Push button marked with letters SW1, SW2, SW3 and SW4.

If you install a REL0004 into a heat-sensitive environment make sure that the ambient temperature does not exceed the specified maximum value.

FIXTURE PROFILES

Profile#	Profile name/ In app description	Description	Wiring
XX198	1 RELAY	To control single relay	Note 1
XX197	2 RELAY	To control two relays	Note 2
XX196	3 RELAY	To control three relays	Note 3
XX165	4 RELAY	To control all relays	Note 4



** Profile 1 Relay is already selected here