

## CBU-MR1

### Casambi Relay

- // Bluetooth relay for non-dimmable lighting loads, and non-lighting loads such as extractor fans
- // Wirelessly programmable via Casambi app, to create different scenes and automations in conjunction with other Casambi devices
- // 10A load rating
- // 2.5mm screw terminals, for loop in loop out wiring
- // Comes with strain relief casing
- // Compatible with all other Casambi devices, to form a network



### Construction

CBU-MR1 is an innovative relay kit designed to cater to your specific lighting control needs. It is compatible with any switched load, including non-dimmable LED lamps, and non-lighting circuits also. You can install it behind a conventional wall switch, inside a luminaire, or into a ceiling outlet box. It is important to adhere to the maximum allowable ambient temperature to ensure optimal performance.

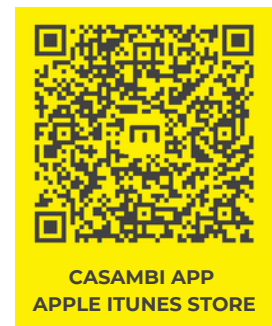
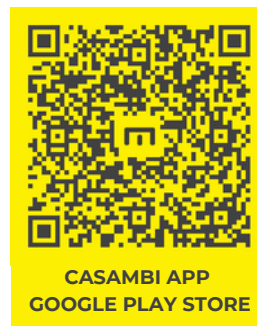
CBU-MR1 has capacity to control up to 10A of capacitive, resistive or inductive load at 230v AC. You can conveniently manage it with the Casambi app, available on iOS and Android devices.

### Dimensional Drawings



Product Code	Colour	Dimensions
CBU-MR1	White	75mm x 55mm x 25mm
Technical Specifications		
Input	100-277v AC, 50-60 Hz	
Output	10A	
Radio operation frequencies	2.4 GHz band	
Wireless Range	Up to 98m outside, or 180m with LR	
Ambient temperature	0...+50°C	
Terminal capacity	0.5 - 2.5 mm <sup>2</sup> , loop in loop out	
Warranty	5 years	
Ingress Protection	IP20	

Casambi uses Bluetooth mesh network technology, so each Casambi unit, or Casambi Ready product, acts also as a repeater. Longer ranges can be achieved by using any Casambi unit as a repeater. Range is highly dependent on the surrounding obstacles, such as walls and building materials.



## CBU-MR1



### 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.

## Installation Instructions

CBU-MR1, as any other Casambi product, should not be placed in a metal enclosure or next to large metal structures. Metal will effectively block all radio signals which are crucial to the operation of the product.

If you install the product into a heat sensitive environment (e.g. inside a luminaire or in a ceiling outlet box above a luminaire), make sure that the ambient temperature does not exceed the specified maximum value. Using the product in a heat sensitive environment may limit the maximum output power.

Using CBU-MR1 with maximum load could make it warm. Make sure to place the product in well-ventilated space and away from any flammable material.

## Input and Output Wiring

Make sure that the mains voltage is switched off before making any connections. Use 0.5–2.5 mm<sup>2</sup> solid conductor electrical wires. Strip the wire 6 mm from the end.

WIRING DIAGRAM

