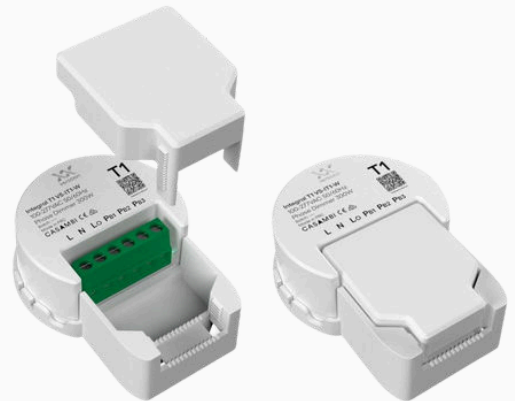


CBU-MT1

Casambi Phase Dimmer with strain relief

- // Bluetooth mesh controller for incandescent lamps, dimmable LED lamps and dimmable LED control gear
- // Wirelessly programmable via Casambi app, to create different scenes and automations in conjunction with other Casambi devices
- // Screw terminals, loop in loop out
- // Comes with strain relief casing
- // Compatible with all other Casambi devices, to form a network

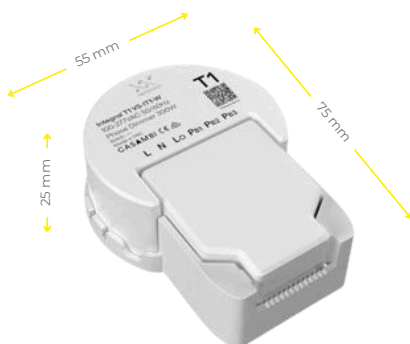


Construction

CBU-MT1 is an innovative trailing-edge phase-cut dimmer designed to cater to your specific lighting needs. It is compatible with incandescent lamps, dimmable LED lamps, and dimmable LED control gear. You can install it behind a conventional wall switch, inside a luminaire, or into a ceiling outlet box. It is essential to adhere to the maximum allowable ambient temperature to ensure optimal performance.

With a capacity to control up to 300W at 230v AC, CBU-MT1 comes with overcurrent and overtemperature protection features. You can conveniently manage it with the Casambi app, available on iOS and Android devices.

Dimensional Drawings



Product Code	Colour	Dimensions
CBU-MT 1	White	75mm x 55mm x 25mm

Technical Specifications	
Input	100-277v AC, 50-60 Hz
Output	1.25A, 300W at 240v AC
Dimming method	Phase dim
Radio operation frequencies	2.4 GHz band
Inrush capability	90A
Wireless Range	Up to 98m outside, or 180m with LR
Ambient temperature	0...+55°C
Terminal capacity	0.5 - 2.5 mm ² , 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-MT1



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-MT 1, 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.

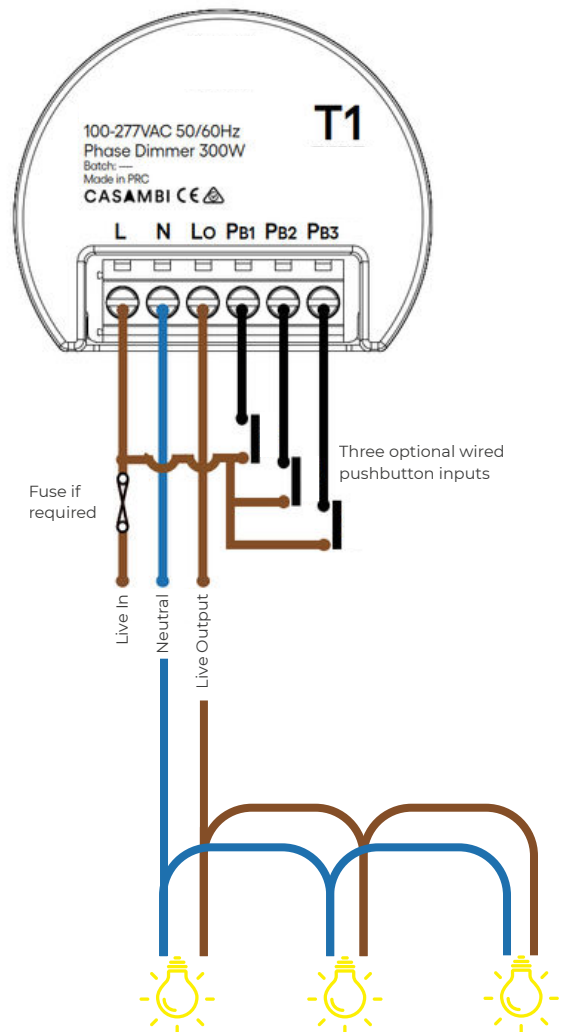
If you install the dimmer into a heat sensitive environment (e.g. inside a luminaire or in a ceiling outlet box above a luminaire), make sure that the ambient temperature does not exceed the specified maximum value. Using the dimmer in a heat sensitive environment may limit the maximum output power.

Using CBU-MT 1 with maximum load will 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 mm² solid conductor electrical wires. Strip the wire 6 mm from the end.

WIRING DIAGRAM



1) Dimming quality depends solely on the load electronics. Do not mix different types of bulbs or loads. Some luminaires may flicker at low dimming

Please take careful note of inrush currents on connected devices. Dimmable lamps are generally low inrush, but drivers can have a very large inrush current.