

Building Light Control

Mini BLC-Relay



Product sheet

Wirelessly control any make or type of luminaire

The Mini BLC-RELAY is a small smart wireless module with a 10A relay. With a Mini BLC-RELAY, you can easily switch on/off any device with a maximum of 10A.

BLC modules automatically form a wireless sensor-and-control network that is self-organizing and self-synchronizing, resulting in a robust and scalable smart lighting system that inherently is the foundation for a smart building network.

Easy installation

The Mini BLC-RELAY is small enough to fit into most anything and its separate antenna makes up for extra flexibility. The installation of the Mini BLC-RELAY is kept simple with two mounting slots. The wiring can be fixed and covered by an optional strain relief.

Technical summary

A Mymesh Mini BLC-RELAY operates in the 2.4GHz ISM band. The Mymesh network protocol ensures a resilient and reliable connection. The Mini BLC-RELAY is fitted with an external antenna providing enough reach for most indoor office and industrial applications. Every BLC device acts as a repeater for the next device, expanding the range and reliability of the wireless network.

Order information

- BLC.1003.002** Mini BLC-RELAY
- BLC.1612.001** Strain Relief Mini BLC

Network features

- Wireless, stand-alone network that is self-organizing and self-healing
- 2.4GHz communication for reliable data transfer
- Secure by design
- Ultra-scalable to > 10.000 fixtures in one network
- Low operational cost

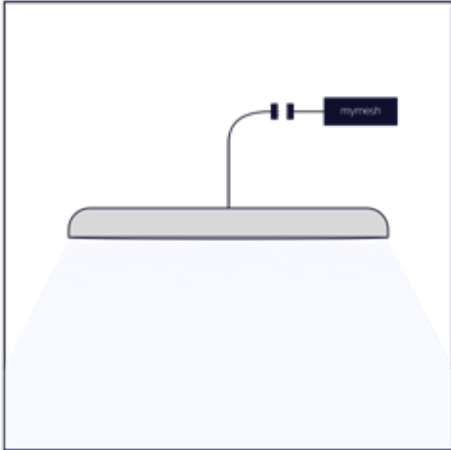
Special features

- Turn on/off any device with a maximum of 10A
- Low energy consumption by using the latest RF technology
- 30% (minimum) to 90% energy savings with light control

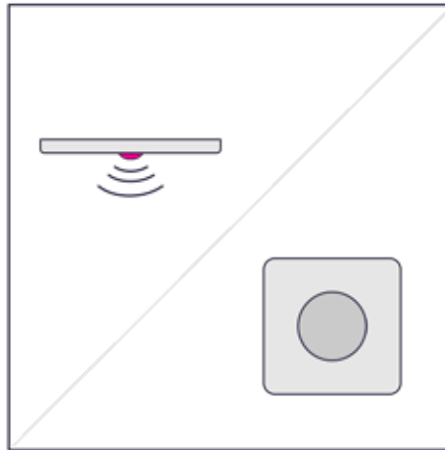
Optional

- On-the-fly (re) commissioning with a Mymesh BLE Gateway and Mymesh commissioning app for iPad
- Connect to third-party back-office / Light Management system (LMS) via a Mymesh Ethernet Gateway

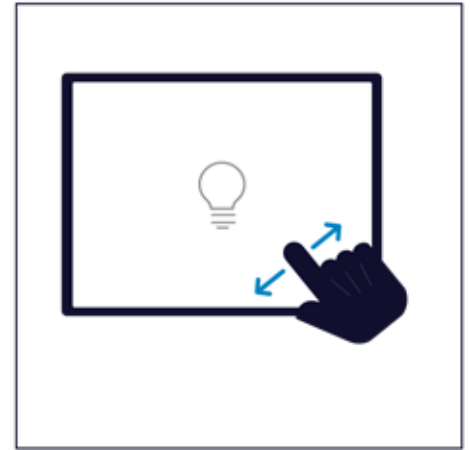
Smart lighting in 3 steps



Connect Mymesh to your lights



2. Add sensors and switches



3. Configure the network via the App.

Technical specifications

Connections

Power supply: single phase 230VAC (+/-10% 50Hz)

Switched 230VAC outlet: Maximum 10A

Wiring: 1.5 mm²

Antenna: SMA Female

Energy consumption

Typical: 0.2 Watt

Radio

2.4GHz ISM band (2.400 – 2.4835 GHz)

Safety

Class II, double insulation

Overvoltage category II

Surge protection (1kV L/N)

Environment

Operating temperature = -25°C to +70°C (I<5A)

Operating temperature = -25°C to +45°C (I>5A)

Relative humidity 10% to 90%

Installation height maximum 2000m above sea level

Protection degree

IP20

Certification

ETSI EN 300 440

ETSI EN 301 489-01/03

IEC EN 60950-1:2006

CE marking

Housing

LxWxH: 84 x 30 x 24.9 mm

Material: ABS PA-765

Weight: approx 50 gram

Color: RAL 9003 (white)