

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.

Product codes

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

Network features

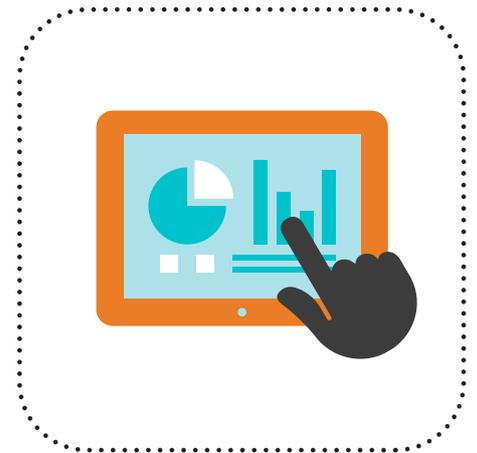
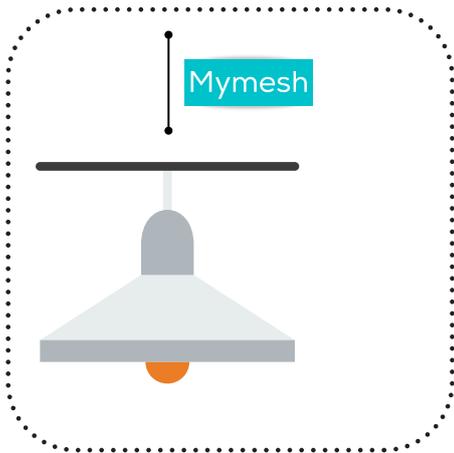
- Wireless, stand-alone network that is self-organizing and self-healing
- 2.4GHz communication for reliable data transfer
- Secure by design
- Ultra-scalable to > 10.000 fixtures in one network
- Low operational cost

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



Technical specifications

Connections

Power supply: single phase 230VAC (+/-10% 50Hz)
Switched 230VAC outlet: Maximum 10A
Wiring: 1.5 mm²
Antenna: SMA Female

Radio

2.4GHz ISM band (2.400 – 2.4835 GHz)

Housing

LxWxH: 84 x 30 x 24.9 mm
Material: ABS PA-765
Weight: approx 50 gram
Color: RAL 9003 (white)

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

Energy consumption

Typical: 0.2 Watt

Safety

Class II, double insulation
Overvoltage category II
Surge protection (1KV L/N)

Protection degree

IP20

Certification

ETSI EN 300 440
ETSI EN 301 489-01/03
IEC EN 60950-1:2006
CE marking