

Product sheet

Mini BLC-Relay



Making buildings smart

Description

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

Technical summary

Mymesh is a fully mesh wireless network protocol in which the applied Mymesh components communicate with each other and automatically organise themselves into a fully integrated wireless sensor- and control network, resulting in a robust and scalable smart control system that inherently is the foundation for a smart building network.

Special features

- Switching of a wide range of lamps, LEDs and devices with a maximum of 10A.
- 50% to 60% additional energy savings with automatic light control using motion detection.
- The Mini BLC-Relay is available with a snubber for inductive loads.

Easy Installation & commissioning

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.

On-the-fly (re)commissioning with the Mymesh Bluetooth Gateway and Mymesh Commissioning app available in the Apple App store for iPad.

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 devices in one network
- Updates and new functionality can be installed with Over-The-Air updates.
- Cloud interface (REST API) available to connect with Building Automation Systems, dashboards, user apps and more.

Optional

- Connect to the Mymesh Management System for remote control, monitoring and management applications
- Connect to the Building Automation System for seamless integration with the buildings technical installations
- Connect to third party dashboards and apps

This product sheet is subject to change without notice.

Device Information

Connections	
Rated input voltage	100 - 240VAC, 50/60Hz
Input voltage range	85 - 265VAC, 47 - 63Hz
Max. switching current	10A (AC)
Wiring	1.5 mm ²
Antenna	SMA Female
Protection degree	
Mini BLC Relay	IP20
Energy Consumption	
Typical	0.2W
Safety	
Class II, Double insulation	
Overvoltage category II	
Surge protection (1kV L/N)	
Order Information	
Mini BLC-Relay	BLC.1023.002
Mini BLC-Relay Snubber	5606.1624.001
Strain Relief	BLC.1612.001

Environment	
Operating Temp.	-25° to + 70°C (I<5A) -25° to + 45°C (I<10A)
Relative Humidity	10% to 90%
Installation Height	Max. 2000m above sea level
Certification	
ETSI EN 300 440	
ETSI EN 300 328	
ETSI EN 301 489-01/03/17	
IEC EN 62368-1	
RED / CE / UKCA	
Housing	
LxWxH	84mm x 30mm x 24.9mm
Weight	Approx. 50 gram
Material	ABS PA-765
Colour	RAL 9003 White
Radio	
Band	2.4GHz ISM band