

mymesh

by Chess

Installation instruction



Mini BLC-4DI

Mymesh Building Light Control

The Mymesh mini BLC 4DI is a product in the Mymesh Building Light Control product suite for wireless lighting control. The mini BLC 4DI is a wireless sensor for monitoring of up to four voltage free contacts.

Safety ⚠

- Installation should be performed only by a qualified electrician.
- Disconnect power at the source before installation, inspection or removal.
- Do not use the mini BLC 4DI if it is damaged.
- The electrical installation must be in conformance with the national legislation and relevant standards.
- The mains connection of the mini BLC 4DI must be provided with a fuse or circuit breaker.
- The mini BLC 4DI has protection class IP20 and is suitable for use at indoor locations.
- Mount the mini BLC 4DI in an IP66 housing for use at outdoor locations.

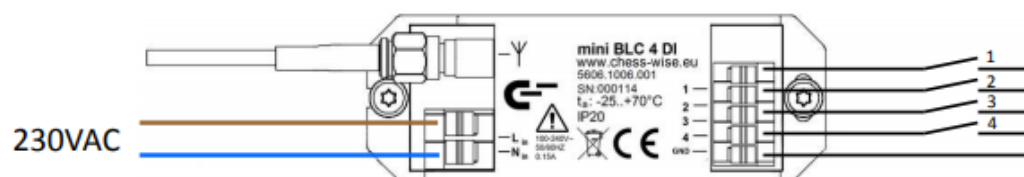
Application

- Refer to the mini BLC 4DI product sheet (see chess-wise.eu/downloads) for the product specifications and the environmental conditions.

Installation

- Mount the mini BLC 4DI with 2x M3 screw/bolt (76 mm distance).
- Use maximal 1.5 mm² wiring for all connections. Push the wires completely into the terminal block. Use wire end sleeves when using flexible wires.
- Solely use a plastic, polycarbonate or fiberglass housing without carbon additives should be used for installation of a mini BLC-DALI, or bring the white end part of the antenna outside the housing.
- Install the antenna to the antenna connector. Do not mount the white end part of the antenna close to metal surfaces to obtain optimal radio performance.
- Connect up to four of the contact inputs and the common GND to voltage free external contacts. (See wiring diagram on the next page)
- Use shielded cables with AWG24 (or better), e.g. a CAT6 FTP cable.
- Do not use cables longer than 1000m.
- Connect the shield at one side only.

Mini BLC 4DI + Voltage free contacts



Configuration

Use the iPad Mymesh App for configuration of the mini BLC 4DI.

Usage

The mini BLC 4DI will monitor the connected voltage free contacts and execute the configured operations.

Compliance

This product complies with the European directives and relevant standards for low voltage, EMC, RED, WEEE and RoHS. The mini BLC 4DI contains a radio. The applied radio frequency is within the ISM band 2403 – 2483.5 MHz (default 2403 MHz) and the maximum transmit power is +4 dBm. Hereby, Chess Wise declares that the radio equipment type mini BLC 4DI is in compliance with directive 2014/53/EU. The full text of the EU declaration of conformity is available at chesswise.eu/downloads.

Repair

Do not open this product. In case of failure the Mini BLC 4DI must be replaced.

Recycling

Do not dispose this product as household waste, but bring it to an appropriate collection point for recycling.