mymesh
powered by simac
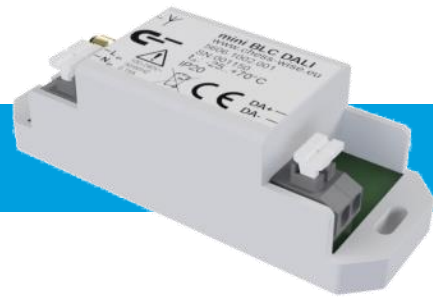
Product sheet

Mini BLC-DALI

Making buildings smart

Wirelessly control any make or type luminaire

The Mini BLC-DALI is a small smart lighting module with a single controller for DALI drivers.

With a Mini BLC-DALI you can easily control any DALI dimmable luminaire including DALI Type 8 (DT8) for Tuneable white and RGB(W) control. Also, remote monitoring of DALI emergency lighting is supported by the Mini BLC-DALI.

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

- Dimming and switching of a wide range of lamps and LEDs
- 50% to 60% additional energy savings with automatic light control using motion detection and daylight harvesting
- Data logging of DALI dimmable and emergency lighting drivers

Easy Installation & commissioning

The Mini BLC-DALI is small enough to fit into any luminaire and its separate antenna makes up for extra flexibility.

The installation of the Mini BLC-DALI is kept simple with two mounting slots. The wiring can be fixed and covered by an optional strain relief.

- Simple installation, no additional cables.
- 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
- Low energy consumption by using the latest RF technology
- Updates and new functionality can be installed with Over-The-Air updates.
- Cloud interface (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 (140 - 340VDC)
Input voltage range	85 - 265VAC, 47 - 63Hz (120 - 370VDC)
DALI	Control device output (maximum of 3 control gears)
Wiring	1.5 mm^2
Antenna	SMA Female

Protection degree

Mini BLC-DALI	IP20

Energy Consumption

Typical	0.2W

Safety

Class II, Double insulation

Overvoltage category II

Surge protection (1KV L/N)

Order Information

Mini BLC-DALI	BLC.1022.001
Strain relief Mini BLC	BLC.1612.001

Environment

Operating Temp.	-25˚ to + 70˚C
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 grams
Material	ABS PA-765
Colour	RAL 9003 White

Radio

Band	2.4GHz ISM band