

Mymesh Outdoor Light Control

2G/3G Gateway



Product sheet

Connect any back office system with the Mymesh Outdoor Lighting System

The Mymesh OLC 2G/3G Gateway enables the transfer of asset management data (e.g. street lights) between a Mymesh wireless network and a third part back office system like a light management system (LMS).

Technical summary

The Mymesh wireless network uses the 868 MHz ISM band and communicates with a back office via a (2G, 3G) gateway (back office API available). Last but not least, the Mymesh network is multi-purpose and offers the option to employ the network to control other infrastructure systems in the near future.

Order information

5603.5001.002
OLC 2G/3G Gateway

Antennas to be ordered separately.

Network features

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

Key features

- Low energy consumption by using latest RF technology

Special features

- Over The Air modem configuration and software updates



Add the OLC300s to every streetlight

Connect a gateway

Commission the network

A smart city has never been so easy

All OLC's automatically connect to neighbouring devices. When a 3G gateway is added to the network, the data starts to appear in the designated dashboard. Here the user can commission, control and analyze his/her network.

Technical specifications

Connections

Power supply: single phase 230V (+/- 10% 50Hz)
Terminal block power connector
Relay contacts (C, NO, NC)
Wiring: 1.5 mm²
RF: 2G / 3G
RF: 868 MHz

Energy consumption

Peak <7 Watt

Safety

Class II (double insulation)
Overvoltage category II (additional protection if needed)

Environment

Temperature -25°C to +70°C
Relative humidity 10% to 90%
Installation height up to 2000m above sea level

Protection degree



Certification

Safety standard EN 60950-1
EMC Immunity EN 61000
EMC emission EN 55022 class B
ETSI EN 300 220
CE marking

Radio

868 MHz ISM band (869.400-869.650 MHz)
Transmitter duty cycle <10% (4% at a TDMA cycle time of 5 sec)
SRD receiver category 2
No Listen Before Talk

Housing

LxWxH: 150 x 100 x 30 mm
Material: ABS (UL94V-0)
Color: Off-white