LUMiMASTER SLC-NOM (Revision 2023)

Ordering code: SLCNOM2023

The LUMiMASTER SLC-NOM (Smart Light Controler) is a control unit for smart lighting and dynamic load balancing (DLB) for electric cars and check of exceeding the maximum reserved capacity. It enables autonomous, local and remote management of lighting and charging. This unit works with all of current SEAK modulation units and EV chargers.

Features

✔ DIN rail mounting
✔ Input for pulse or digital (Modbus) electricity meter
✔ Min. 4 configurable digital inputs for twilight switch, door contact sensor, etc., expandable with additional inputs via Modbus
✔ Min. 2 configurable digital outputs for the main contactor, SSR, expandable with additional outputs via Modbus
✔ Built-in Ethernet port and GPRS/EDGE router/4G or 5G (optional)
✔ Built-in web server for configuration/diagnostics
✔ Built-in security features: firewall, SSL support and VPN client
✔ Built-in astro clock specifying sunrise / sunset time from GPS position and exact time
✔ DDNS support for easier management
✔ NTP support for automatic time synchronization
✔ RFC2217 serial tunnel support for remote diagnostics equipment in the switchboard
✔ Operating temperature range at least -35 ⁰C ~ +75 ⁰C
✔ Operation independent of internet connection, control unit works autonomously after setting
✔ Backup battery to send an alarm status in case of power failure
✔ Automatic restoration of the correct light intensity when finished power failure
✔ Automatic control of contactor
✔ Possibility to turn off the lighting (stand-by) during the day, while the power line is under voltage 24 hours
✔ Possibility to control different types of luminaires (LED, HID MH) in one system
✔ Possibility to control biodynamic lamps (tunable-white) as well architectural colored lights
✔ Support for integration of electric car chargers with shared power balancing (dynamic load balancing - DLB)
✔ Check of exceeding the maximum reserved capacity
✔ Remote software update
✔ Input for modulator (Modbus) providing power line communication
✔ Charger management backend communication with OCPP 1.6J standard

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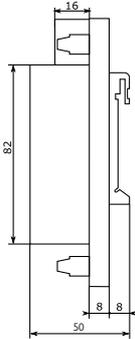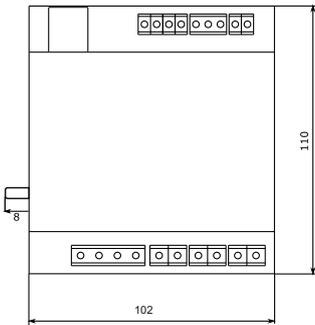
Specifications subject to change without notice   DSLMNEN2132023

Parameter	Value
Input voltage	DC 12 - 24 V
Input power	5,5 W
Inputs	4x digital DC 5 - 24 V
Outputs	2x Relay (max. I=5 A, U=50 V, P=60 W)
Communication interfaces	2xRS485, Ethernet 10/100 Base T, GSM
IP Rating	IP20
Operating ambient temperature	-35 °C ~ +75 °C
Dimensions (LxWxH)	110x110x50 mm
Weight	320 g
Max. wire size	1,5mm^2 stranded/solid wire

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