QULON

**Central Control and Management Systems
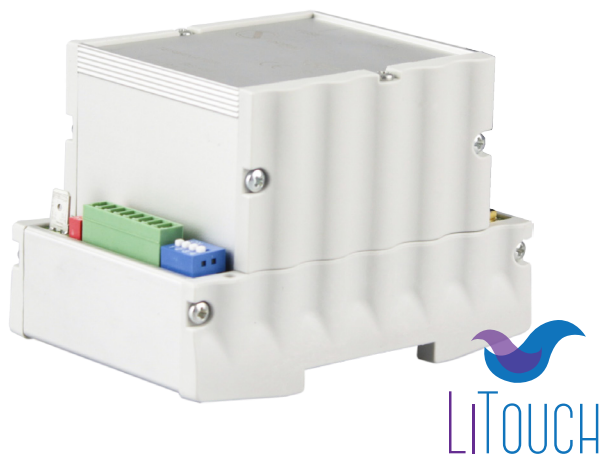for your Road and Street Lighting**

Qulon LiTouch

Individual control module for wireless solutions

Qulon LiTouch is additional module that provides individual remote light control of luminaires with installed LiTouch nodes wirelessly via radio channel. Installed together with Qulon-C (Central Gateway) into existing lighting cabinet. Connected to the central controller Qulon-C via RS-485 interface (ModBus). Acts as a master to send/receive data to/from wireless modules (slaves). It communicates with the slaves using 800-950 MHz wireless interface.

Key Features

- Provides individual control and power regulation of discharge lamps with an electronic ballast and a built-in LiTouch node
- Provides individual control and power regulation of LED lamps with a built-in LiTouch node
- Connected to Qulon-C over RS-485 (MODBUS RTU)
- Full galvanic isolation of RS-485 interface
- Built-in power supply ~100-270 VAC

QULON LiTouch

105

72

75
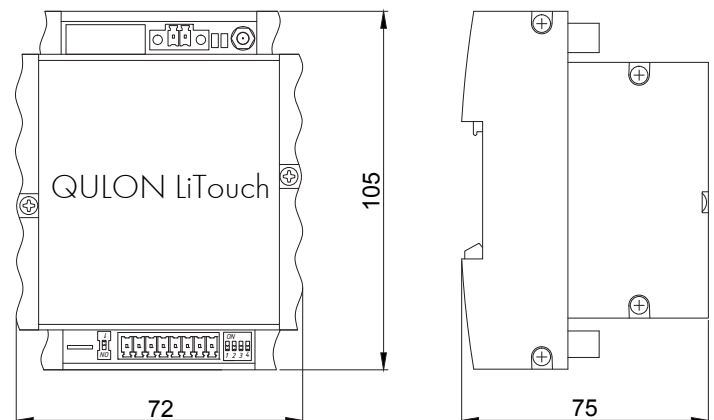
QULON

QULON CCMS by Sundrax Electronics provide extreme performance and reliability for fail-proof individual remote control of any luminaire type bringing adaptive lighting and is increasing or dimming the lights on demand. Professionally tailored on CCMS collects various electricity data from lighting cabinet (current, power factor, cumulative power (kWh/kVAh), active and apparent power, voltages, etc) and then sends it to server via GSM/GPRS/EDGE mobile network. All the programming of central module of CCMS is done remotely from the software. All created on/off/dimming schedules are stored in it so all equipment can operate without internet connection.)

Qulon LiTouch
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Technical Specifications

Mechanical

- Housing: DIN mounted case (4 modules)
- Material: Metal, Plastic
- Dimensions, mm: 72(D) x 105(H) x 75(W)
- Mass: 0.35 kg
- Mounting: DIN rail in the power cabinet or individual waterproof box

Power & Electrical

- Input Voltage: ~100-270 VAC, 50/60 Hz
- Input Power (max): 5 W
- Mains Fuse: 0.5 A

Environmental

- Operating Temperature: -40...+70°C
- Storage Temperature: -50...+80°C
- Operating Relative Humidity (max): 95%
- IP Rating: IP 20
- Certification: CE, RoHS
- Warranty: 36 Month (Return to base)

Inputs / Outputs

- Connectors: Terminal blocks 15EDGVC

Interfaces and Protocols

- Data exchange: ISM band 868/915 MHz
- Max output power: 16 dBm
- Serial interface: RS-485
- Max length of RS-485 line: 1500 m

Configuration / Indication

- Setup: Remote via Qulon-C
- Indication: LEDs for Power and RS-485 activity

Package Contents

- Qulon LiTouch module
- User guide
- Connectors kit

Product Line

Name	Modification	Product code
QULON LiTouch	868 MHz	QUL-RF-EXT-WIR868
	915 MHz	QUL-RF-EXT-WIR915

Qulon LiTouch
Individual control module for wireless solutions

Connection Scheme

Operator

Internet

GSM, GPRS, EDGE

QULON-C

RS-485

RS-485 (MODBUS)

N   L

QULON-LiTouch

RS-485
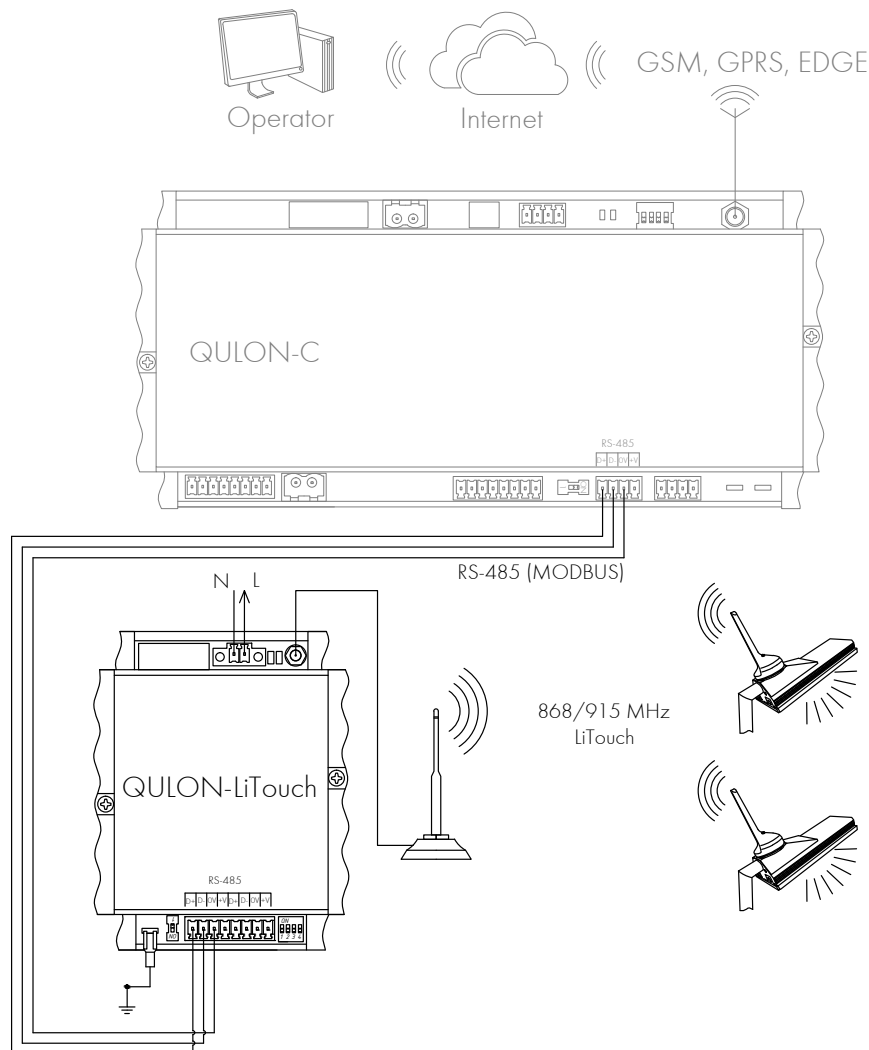
868/915 MHz
LiTouch

Accessories

Name	Product code
DIN rail mounting kit	QUL-C-AC-DIN
Waterproof box	QUL-C-AC-IP65
868 MHz antenna	QUL-ACC-QRF-868
915 MHz antenna	QUL-ACC-QRF-915
Antenna Cable 5m	QUL-ACC-ANT-0500
Antenna Cable 10m	QUL-ACC-ANT-1000

Disclaimer
To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. No liability accepted for errors or omissions. Always make sure to use the most recent release and contact Sundrax Electronics to verify correctness before placing your order.