



# Qulon-C Controller

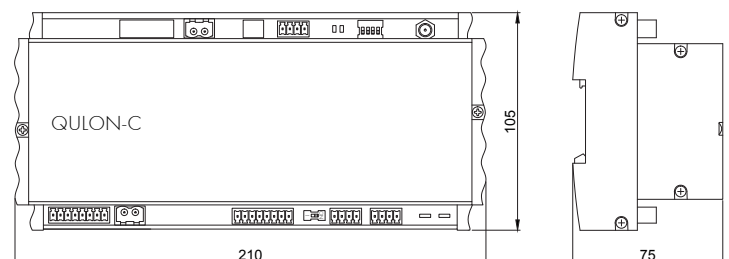
Gateway for remote lighting control



Qulon-C is gateway for QULON Street Lighting Control and Management System. QULON-C is installed into lighting cabinet to provide remote lighting control for all components of lighting network: magnetic starters, power meter, individual lamp controllers, sensors, add-on Qulon hardware. Data from the connected devices and meters are collected by QULON-C via RS-485 or CAN interfaces and then sent to Qulon server via GSM/GPRS/EDGE mobile network. Programming, scheduling and troubleshooting are done remotely from QULON software.

## Key Features

- Scenario scheduling and live remote control
- Full management through built-in GSM/GPRS modem
- Independent control of each phase
- Wireless individual control in 868/915 MHz with Qulon LiTouch
- Powerline individual control with Qulon Simpline
- Identification and immediate alert of electrical faults
- Withstand voltage up to 305 V
- Backup power supply
- Non-volatile memory for data storage
- Astronomical clock onboard
- Straightforward design for simple installation



## QULON CMS

QULON is a powerful yet extremely flexible Central Management System for street lighting. A combination of software applications and different hardware technologies that will offer you full control over any kind of lighting network enabling activity scheduling, real time faults notification, remote meter reading, performance analysis, custom dimming scenarios creation, maintenance workflow management and much more, increasing efficiency and cutting down costs.



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## Technical Specifications

### Mechanical

- Housing: DIN mounted case (12 modules)
- Material: Metal, Plastic
- Dimensions, mm: 210(D) x 105(H) x 75(W)
- Mass: 0,85 kg
- Mounting: DIN rail in the power cabinet or individual waterproof box.

### Power & Electrical

- Input Voltage: ~100-270 VAC, 50/60 Hz or 12-30VDC
- 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

- Relay outputs: 4
- Voltage control inputs: 6
- Max voltage and current at outputs: 250 V, 5 A
- Max voltage at inputs: 250 V
- Number of sensor inputs: 2
- Connectors: Terminal blocks 2EDGVC, 15EDGVC

### Interfaces and Protocols

- Serial interface: RS-485, CAN, GSM/GPRS/EDGE
- Radio Channel: GSM 850/900/1800/1900
- Max length of RS-485 line: 1500 m
- Transmit Power Range(s):  
Class 4 (+33dBm  $\pm$  2dB) for EGSM 850/900;  
Class 1 (+30dBm  $\pm$  2dB) for GSM 1800/1900

### Configuration / Indication

- Setup: Remote via GSM/GPRS/EDGE
- Indication: LEDs for GSM and RS-485 activity

### Package Contents

- Qulon-C controller
- User guide
- GSM antenna
- Connectors kit
- QULON Software access license

## Product Line

### Name

QULON-C

### Modification

4 relays, 6 control points

### Product code

QUL-C-EXT-406



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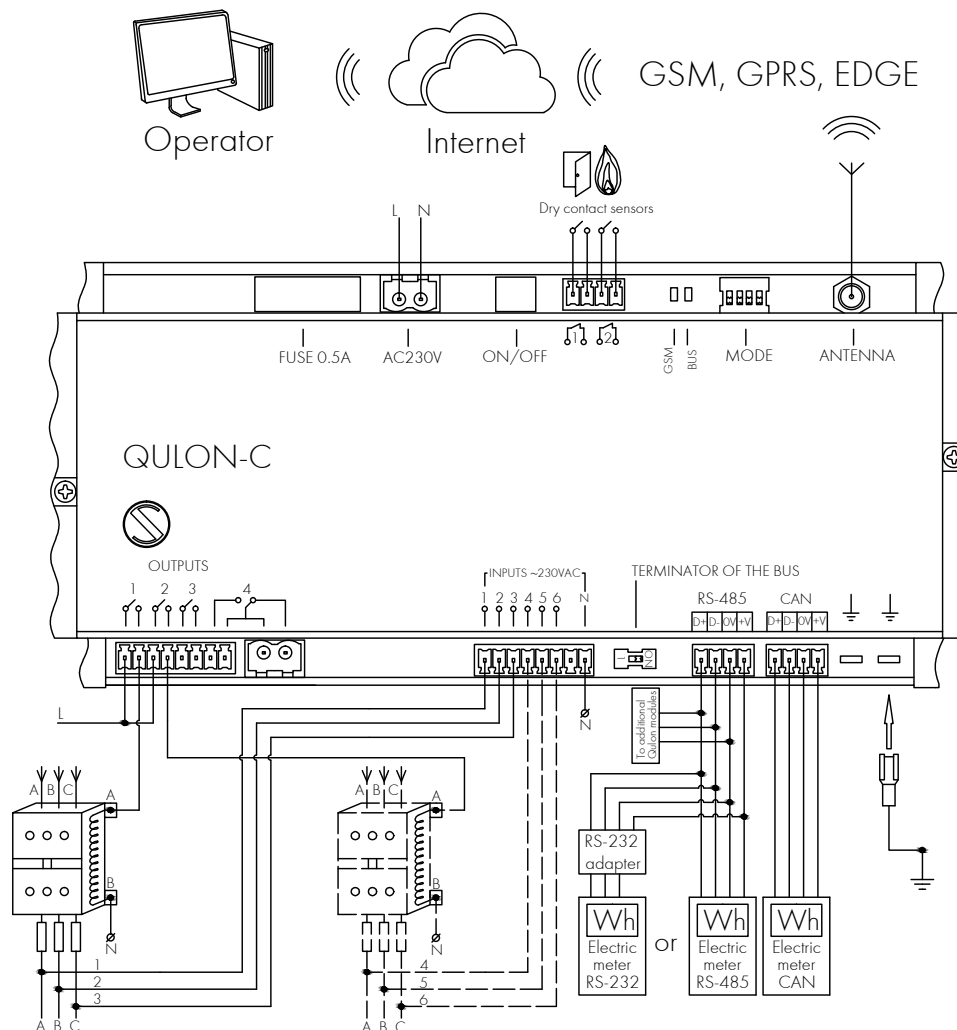


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## Connection Scheme



## Accessories

Name	Product code
Waterproof box	QUL-C-AC-IP65
DIN rail mounting kit	QUL-C-AC-DIN
Enhanced signal quality GSM antenna	QUL-ACC-GSM-401
Vandal-proof GSM antenna	QUL-ACC-GSM-402
Antenna Cable 5m	QUL-ACC-ANT-0500
Antenna Cable 10m	QUL-ACC-ANT-1000
Qulon PLX	QUL-PLX-2
RS-232 adapter	QUL-C-AC-485-232

### 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.



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