



Qulon C1 Controller

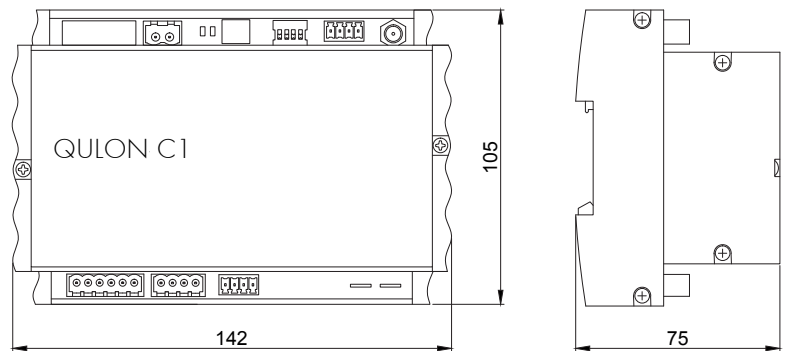
Gateway for remote lighting control



Controller QULON C1 is designed to provide remote management and diagnostics of street lighting. QULON C1 is installed into lighting power cabinet, and employs GSM/GPRS/EDGE to communicate with central QULON server. Data from the connected devices and meters are collected by QULON C1 via RS-485 interface and then sent to Qulon server via GSM/GPRS/EDGE mobile network. Programming, scheduling and troubleshooting are done remotely from QULON software.

Key Features

- Built-in GSM/GPRS/EDGE modem;
- Built-in AC power supply;
- Built-in backup power supply;
- Real-time clock;
- Possibility of remote updates.



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 (8 modules)
- Material: Metal, Plastic
- Dimensions, mm: 142(D) x 105(H) x 75(W)
- Mass: 0.45 kg
- Mounting: DIN rail in the power cabinet or individual waterproof box.

Power & Electrical

- Input Voltage: ~100-270 VAC, 50/60 Hz or 9-36VDC
- 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: 2
- Voltage control inputs: 3
- Max voltage and current at outputs: 270 V, 5 A
- Max voltage at inputs: 270 V
- Number of sensor inputs: 2
- Connectors: Terminal blocks 2EDGVC, 15EDGVC

Interfaces and Protocols

- Serial interface: RS-485, 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 C1 controller
- GSM antenna
- Connectors kit

Product Line

Name	Modification	Product code
QULON C1	2 relays, 3 control points	QUL-C-2G0203X



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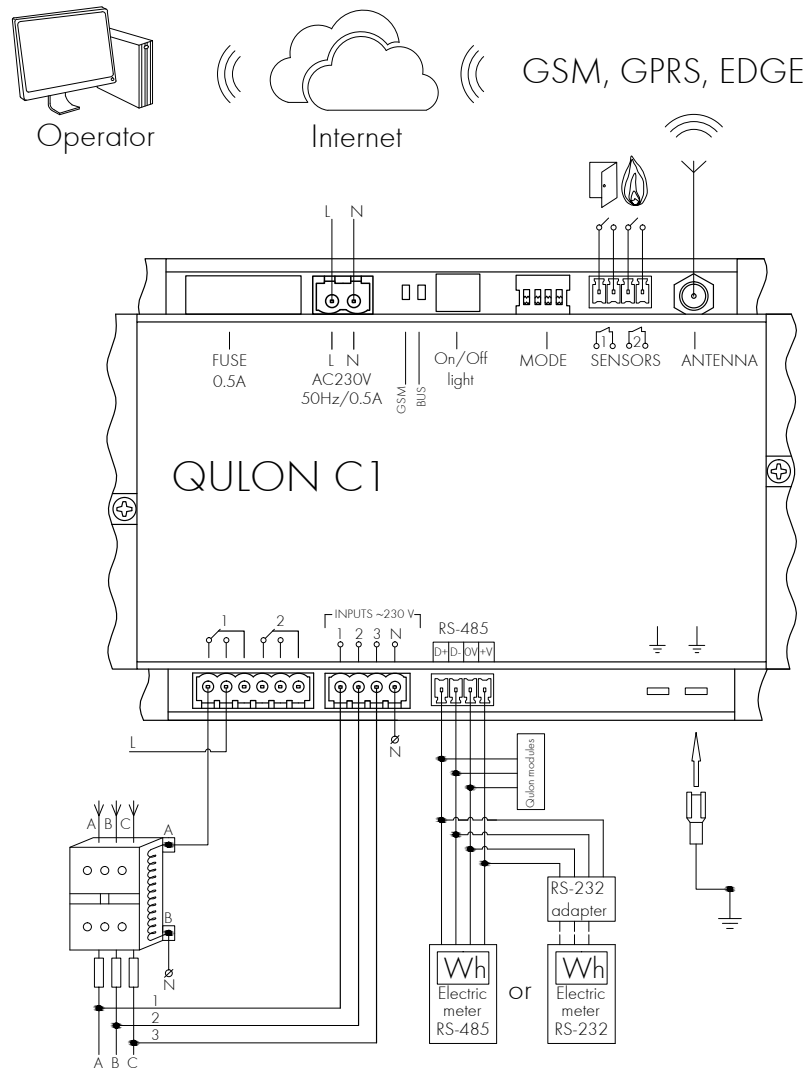


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Connection Scheme



Accessories

Name	Product code
DIN rail mounting kit	QUL-ACC-DIN
Antenna GSM outdoor	QUL-ACC-GSM-401
Antenna vandal-proof outdoor	QUL-ACC-GSM-402
Antenna cable (GSM) SMA-SMA 5m	QUL-ACC-ANT-050
Antenna cable (GSM) SMA-SMA 10m	QUL-ACC-ANT-100
Qulon PLX	QUL-PLX-2
RS-232 to RS-485 Adapter	QUL-ACC-C-485232

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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