



Qulon C2 Controller

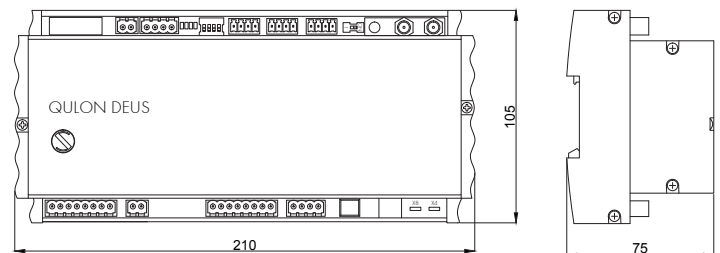
Gateway for Remote Lighting Control



Qulon C2 is Central Gateway for QULON Central Control and Management System installed into existing lighting cabinet. It provides remote lighting control for all electrical equipment in the cabinet- magnetic starters, additional Qulon devices, etc. Data from the connected devices and meters are collected via RS-485 or CAN interfaces and then sent it to Qulon server via GSM/GPRS/3G mobile network or Ethernet 10/100 Base TX. Programming of Qulon C2 Gateway is done remotely from the software or locally using by Web interface.

Key Features

- Scenario scheduling and live remote control
- Full management through built-in GSM/GPRS/3G modem
- Independent control of each phase
- Access to electric meter and other sensors via RS-485
- Identification and immediate alert of electrical faults
- Withstand voltage up to 305 V
- Built-in backup power supply
- Built-in AC power supply
- Non-volatile memory for data storage
- GPS/GLONASS and 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: 7
- Max voltage and current at outputs: 250 V, 5 A
- Max voltage at inputs: 250 V
- Number of sensor inputs: 2
- Connectors: Terminal blocks 15EDGVC, 2EDGVC

Interfaces and Protocols

- Navigation: GPS/GLONASS
- Serial interface: RS-485, CAN
- Radio Channel: GSM 850/900/1800/1900; WCDMA 900/2100
- Max length of RS-485 line: 1500 m
- Lan: Ethernet 10/100 Base-TX
- Flash memory: 1 Gb

Configuration / Indication

- Setup: Locally via Ethernet; Remote via GSM/GPRS/3G
- Indication: LEDs for GSM, Ethernet and RS-485 activity

Package Contents

- Qulon C2 controller
- User guide
- GSM antenna, GPS/GLONASS antenna
- Connectors kit
- QULON Software access license

Product Line

Name	Modification	Product code
QULON C2	4 relay outputs, 7 voltage control inputs	QUL-DEU-000407



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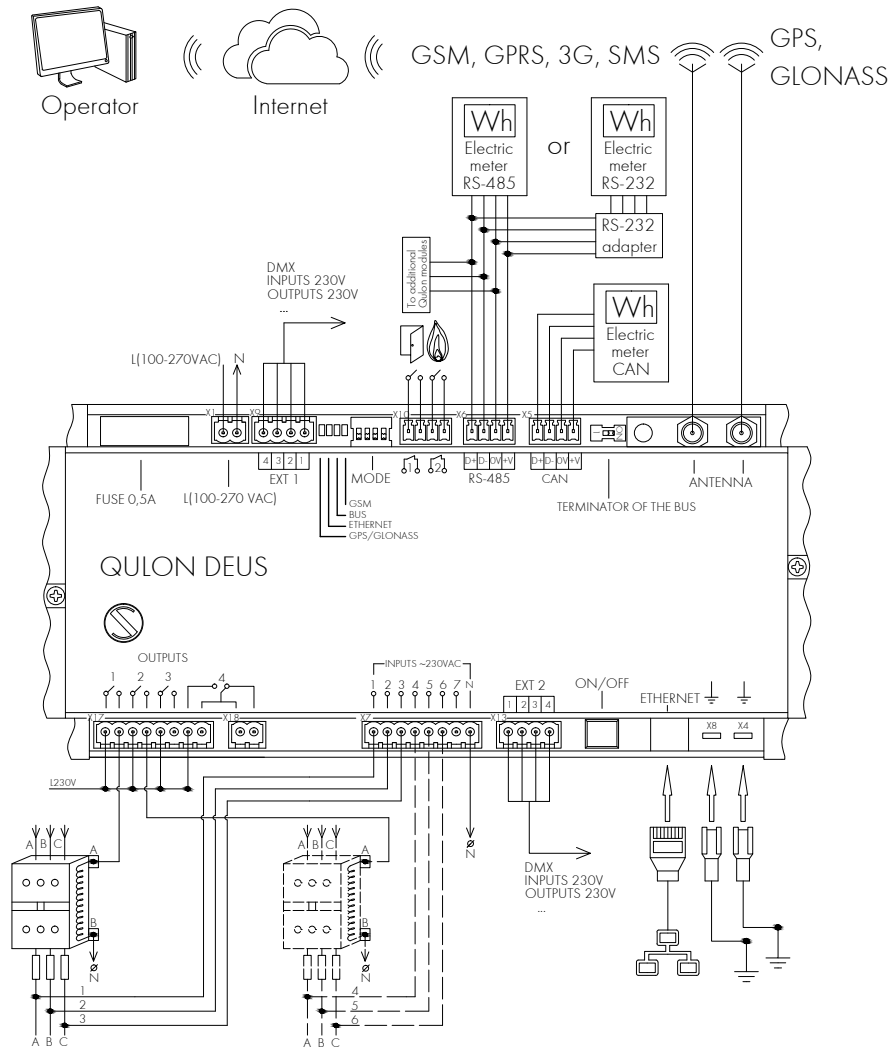


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Connection Scheme



Accessories

Name

Waterproof box
 DIN rail mounting kit
 Enhanced signal quality GSM antenna
 Vandal-proof GSM antenna
 Antenna Cable 5m
 Antenna Cable 10m
 Qulon PLX
 RS-232 adapter

Product code

QUL-C-AC-IP65
 QUL-C-AC-DIN
 QUL-ACC-GSM-401
 QUL-ACC-GSM-402
 QUL-ACC-ANT-0500
 QUL-ACC-ANT-1000
 QUL-PLX-2
 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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