



QULON C

The Heart of Smart Street Lighting Control

QULON C is at the core of our smart street lighting control system, offering precise remote monitoring and management capabilities for all lighting electrical components. Designed for modern urban needs, it facilitates secure two-way communication and integrates effortlessly with smart city infrastructure for enhanced lighting management from anywhere.

QULON C is the central controller of the QULON control system. It is designed to provide remote monitoring and control of all electrical equipment in the lighting control cabinet: magnetic starters, QULON system accessories, etc.

QULON C uses RS-485 or CAN interfaces for two-way communication with other devices and meters. 2G cellular communication is used to communicate with the QULON server.

The unit is powered from 110/220 V AC or 9-36 V DC.

The QULON C is remotely configurable using the QULON control system and DIP switches on the unit.

The unit is designed for DIN rail mounting in a lighting control cabinet.



Original PCB

Using only printed circuit boards of our own design in the devices



Easy installation

Easy installation of devices in any environment



High quality

High quality components and enclosure materials

Advantages

Scenario scheduling and live remote control

Independent control of each phase

Access to electric meter and other sensors via RS-485

Withstand voltage up to 305 V

Built-in AC/DC power supply

Astronomical clock onboard

Full management through built-in GSM/2G modem

Powerline individual control with Qulon Simpline

Identification and immediate alert of electrical faults

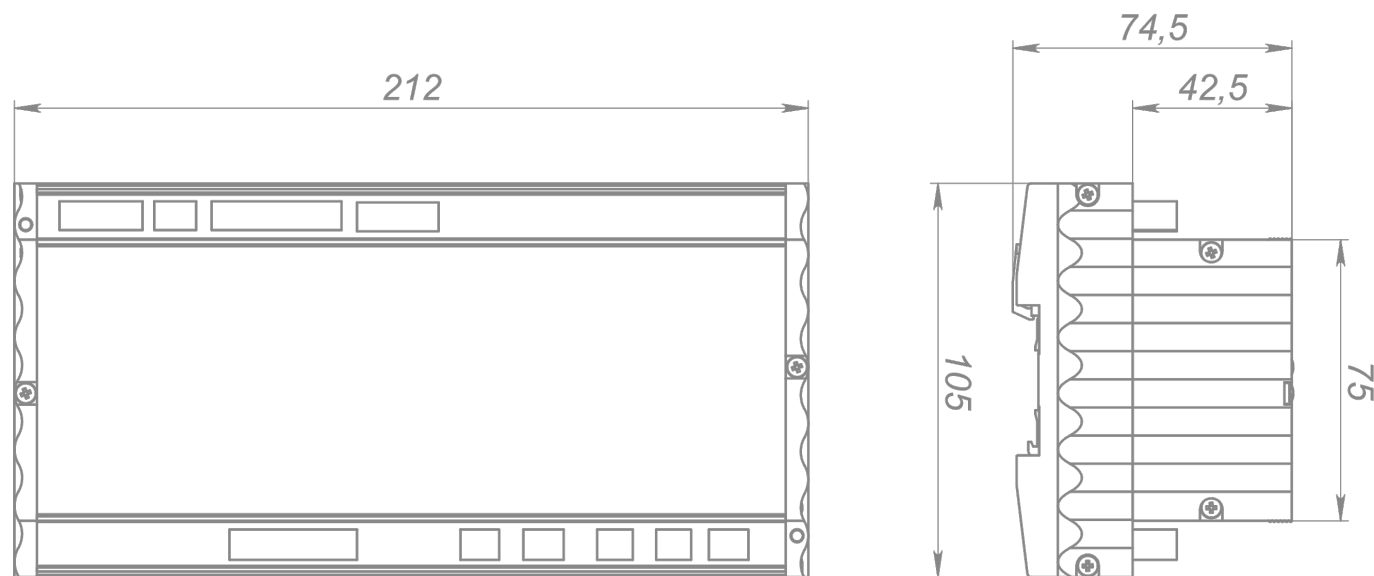
Built-in backup power supply

Non-volatile memory for data storage

Straightforward design for simple installation



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Specifications

Mechanical

Housing: aluminum DIN mounted case
 Material: metal, plastic
 Dimensions, mm: 212(L) x 74,5(H) x 105(W)
 Mass: 0.85 kg
 Mounting: DIN (12 modules) rail

Environment

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

Inputs / Outputs

Relay outputs: 4
 Voltage control inputs: 6
 Max voltage and current at outputs: 240 V, 5 A
 Max voltage at inputs: 240 V
 Number of sensor inputs: 2

Package Contents

QULON C
 Connector set

Power & Electrical

Input Voltage: ~100-240V 50/60 Hz; -9-36V
 Input Power (max): 5 W
 Mains Fuse: 0.5 A

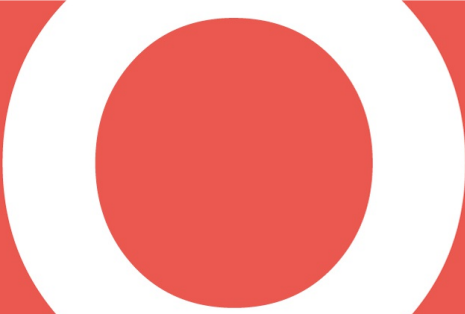
Interfaces and Protocols

Serial interface: RS-485, CAN, 2G
 Radio Channel: GSM 850/900/1800/1900
 Max length of RS-485 line: 1500 m

Configuration / Indication

Setup: remote via GSM/2G
 Indication: LEDs for GSM and RS-485 activity





Modifications

Modification

QULON C, AC, 2G, 4 relays, 7 inputs, RS, CAN
QULON C, DC, 2G, 4 relays, 7 inputs, RS, CAN

Product Code

QUL-C-2G0407X
QUL-C-2G0407X-DC

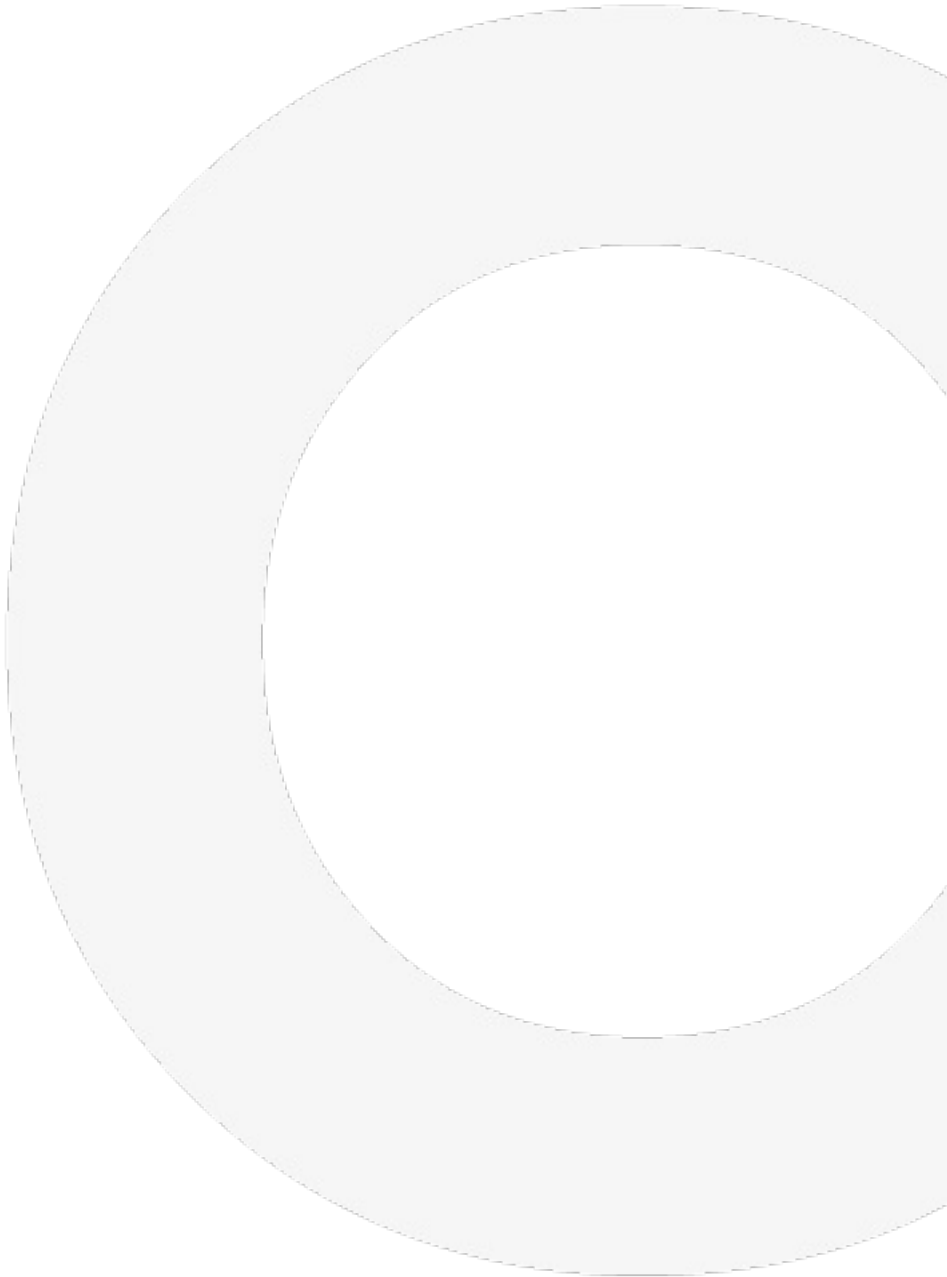
EAN

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Accessories

Name

Cabinet mount GSM antenna
DIN rail
Magnetic GSM antenna
Protective cabinet
RS-485 to RS-232 Converter
Wall mount GSM antenna



Wiring diagram

Specifications are subject to change without notice. Trademarks are the property of Sundrax.

