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

+ 44 (0) 208 991 33 19
salesteam@sundrax.com
support@sundrax.com

streetlighting.sundrax.com
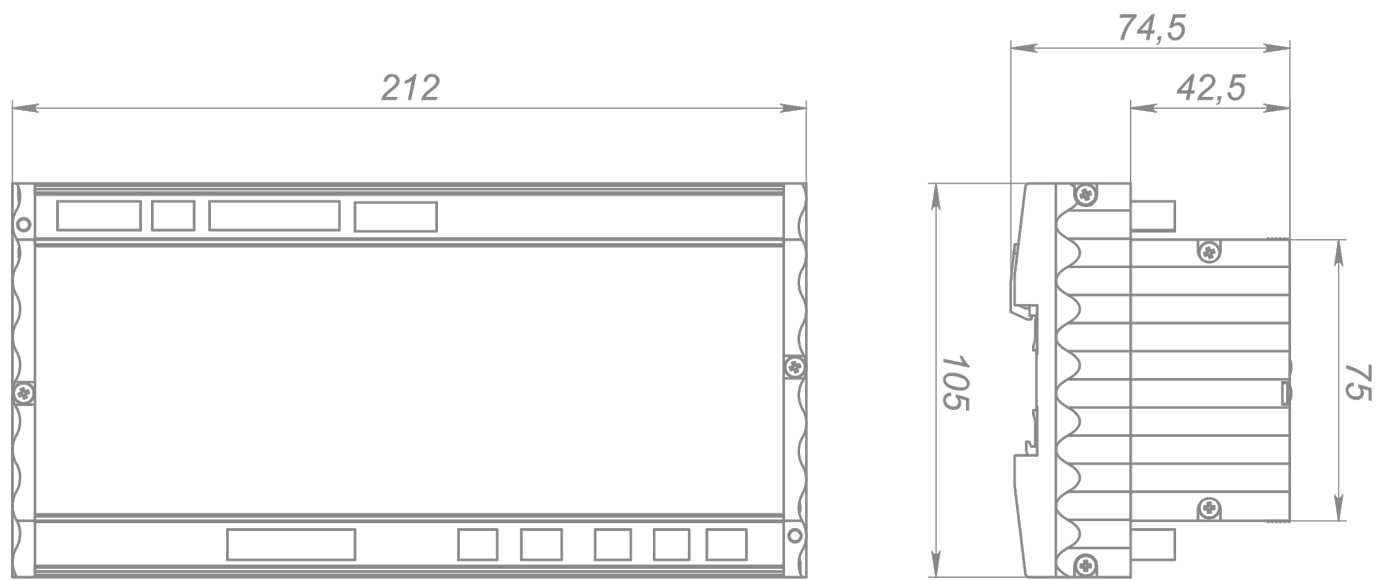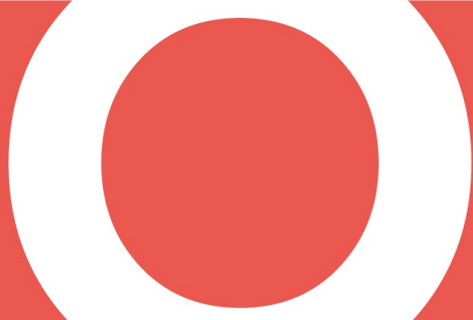
Specifications

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
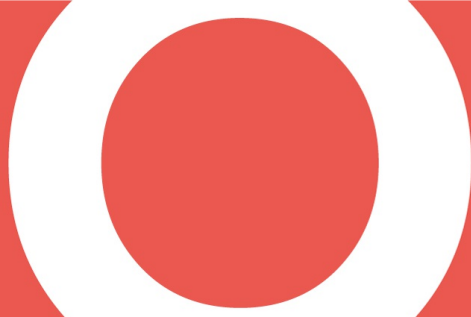
Interfaces and Protocols

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

+ 44 (0) 208 991 33 19
salesteam@sundrax.com
support@sundrax.com

streetlighting.sundrax.com

Modifications

Modification	Product Code	EAN
QULON C, AC, 2G, 4 relays, 7 inputs, RS, CAN	QUL-C-2G0407X	5060452240107
QULON C, DC, 2G, 4 relays, 7 inputs, RS, CAN	QUL-C-2G0407X-DC	5060452240114

Accessories

Name

Cabinet mount GSM antenna

DIN rail

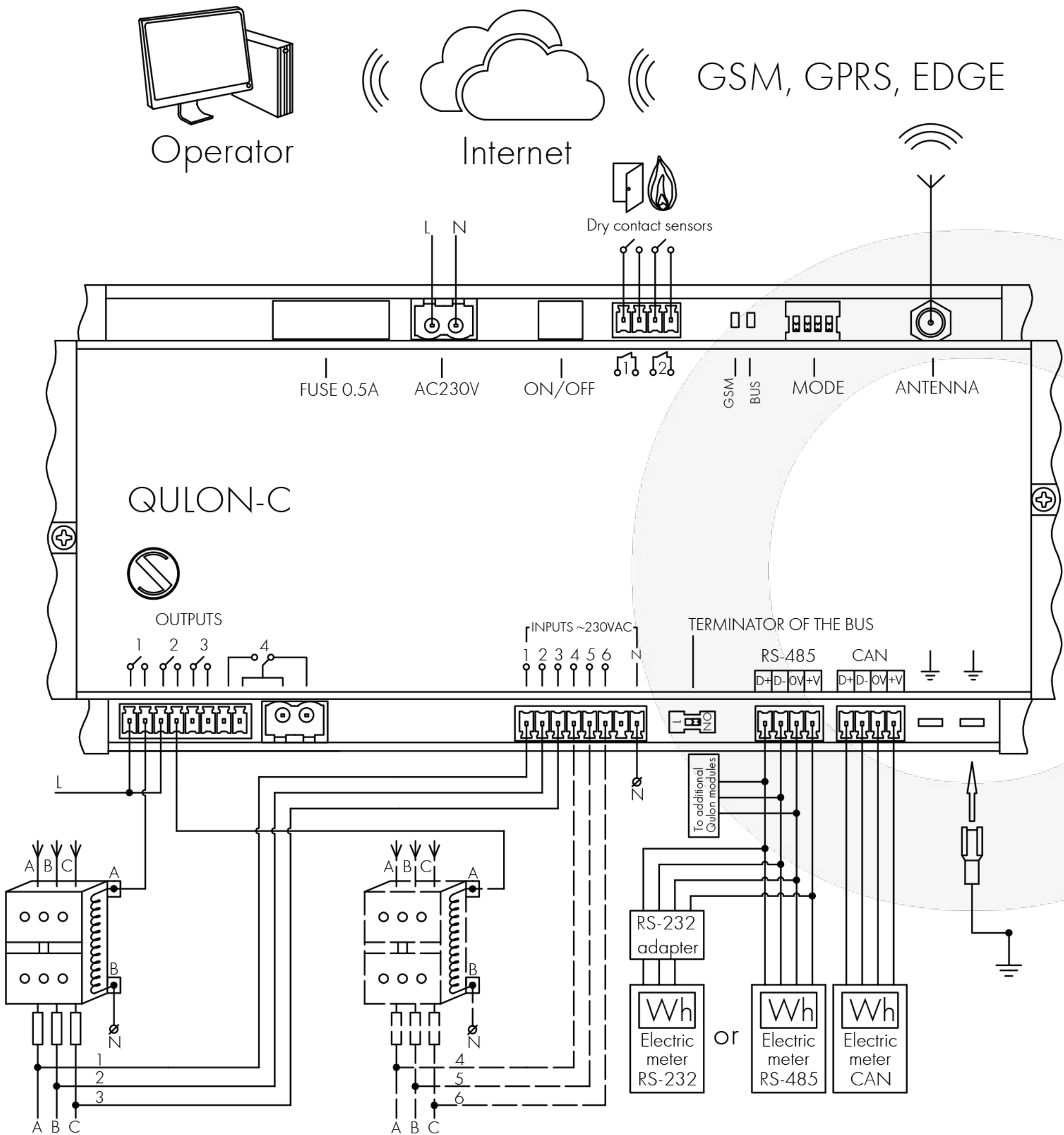Magnetic GSM antenna

Protective cabinet

RS-485 to RS-232 Converter

Wall mount GSM antenna

QULON

Effective Lighting Solutions
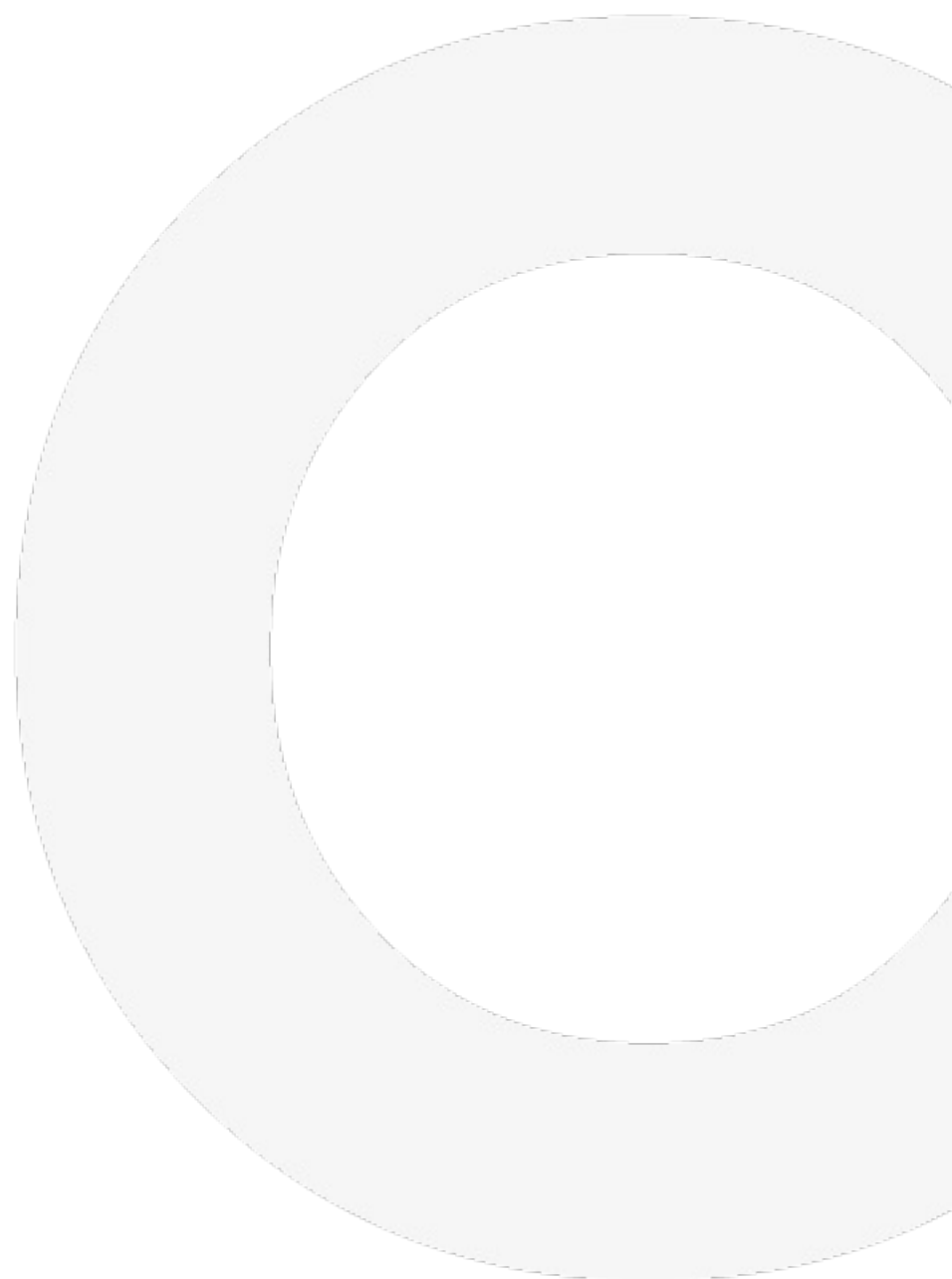
Wiring diagram

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

Operator

Internet

GSM, GPRS, EDGE

Dry contact sensors

L N

FUSE 0.5A   AC230V   ON/OFF   GSM BUS   MODE   ANTENNA

QULON-C

OUTPUTS

1 2 3 4

INPUTS ~230VAC
1 2 3 4 5 6   N

TERMINATOR OF THE BUS

RS-485   CAN
D+ D- 0V +V   D+ D- 0V +V

To additional Qulon modules

RS-232 adapter

Wh Electric meter RS-232   or   Wh Electric meter RS-485   Wh Electric meter CAN