



Qulon MONARQ

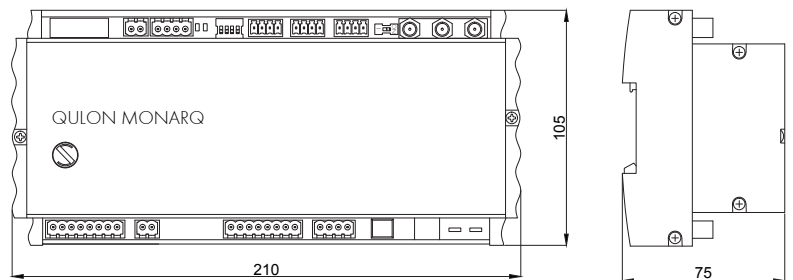
Remote Architectural Lighting Control Processor



QULON MONARQ is DIN-mounted central processor for remote dynamic and static architectural lighting control. Management via GSM adds more flexibility to control installations remotely and simplifies network access. Dynamic architectural lighting control is provided using DMX512, ArtNet/sACN protocols through Ethernet interface and wireless BeDMX interface (2.4 GHz). Any combination of automatic, manual or scheduled control may be used to create complex multi-functional installations. As a member of QULON family, QULON MONARQ is already integrated into QULON Control and Monitoring System and can be easily incorporated into other smart IoT networks.

Key Features

- Scenario scheduling and live remote control
- Full management through built-in GSM/GPRS/3G modem
- DMX, BeDMX and Ethernet interfaces, input/output control for static and dynamic installations
- Access to electric meter and other sensors via RS-485
- Identification 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



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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
- 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 or 7
- 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

- Supported protocols: DMX512, BeDMX, ArtNet/sACN, RDM, Ethernet
- Navigation: GPS/GLONASS
- Serial interface: RS-485, CAN, DMX
- Radio Channel: 1 BeDMX, 1 GSM 850/900/1800/1900
- 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, GPS/GLONASS, Ethernet and RS-485 activity

Package Contents

- Qulon MONARQ controller
- User guide
- Antennas: GSM; GPS/GLONASS; 2.4 GHz BeDMX
- Connectors kit

Product Line

Name	Modification	Product code
QULON MONARQ	1 DMX, 1 BeDMX, 4 relay outputs, 7 voltage control inputs	QUL-MNR-110407
	1 DMX, 4 relay outputs, 7 voltage control inputs	QUL-MNR-100407
	2 DMX, 1 BeDMX, 4 relay outputs, 7 voltage control inputs	QUL-MNR-210407
	2 DMX, 4 relay outputs, 7 voltage control inputs	QUL-MNR-200407
	4 DMX, 4 relay outputs, 7 voltage control inputs	QUL-MNR-400407



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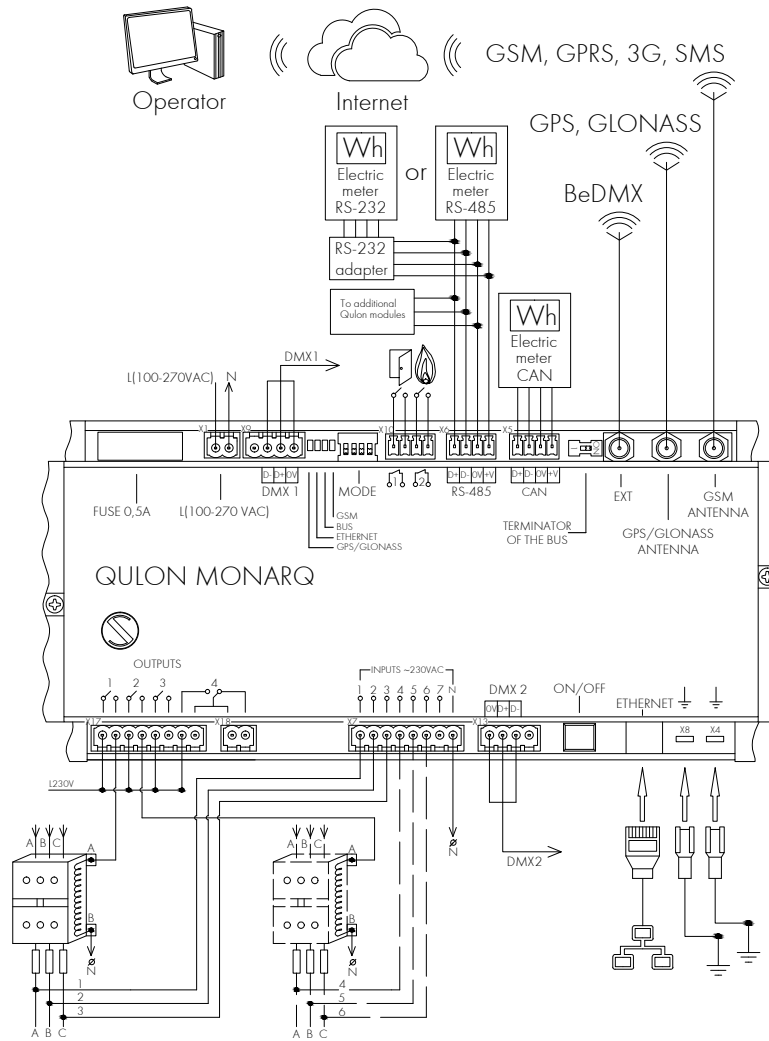
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Connection Scheme



QUL-MNR-110407
QUL-MNR-100407
QUL-MNR-210407
QUL-MNR-200407



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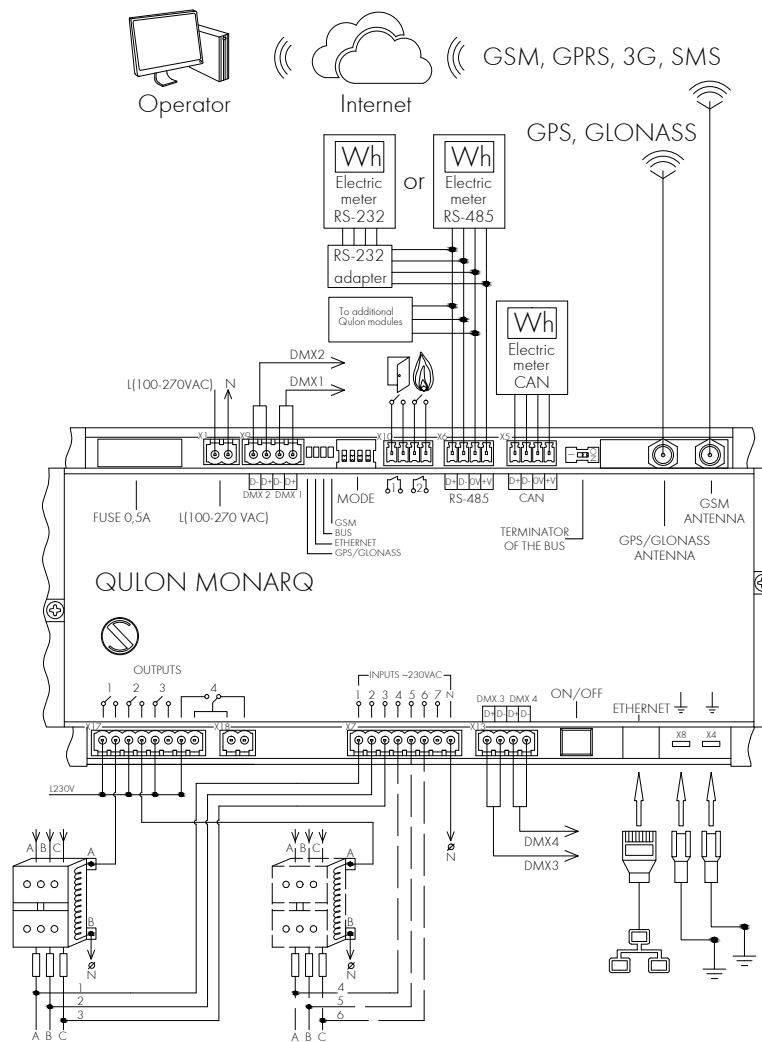
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Connection Scheme

QUL-MNR-400407



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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