



Controller Qulon-D

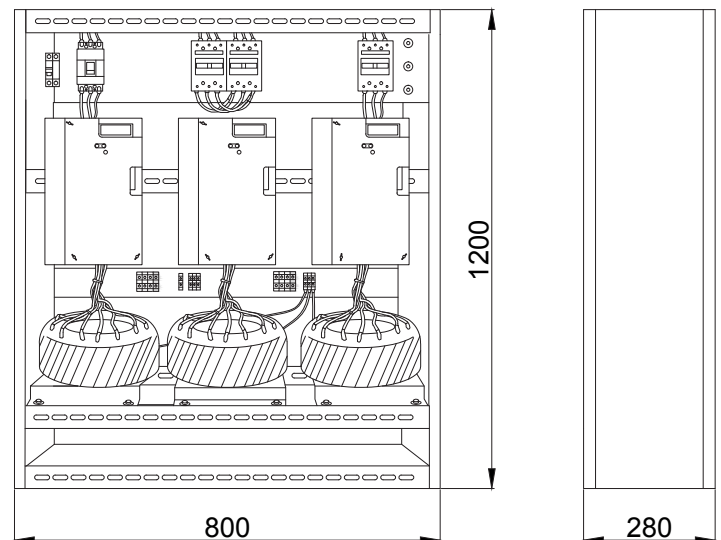
Dimming module



QULON-D is smart supplement solution to stabilize and control voltage in three-phase networks with conventional lamps. Only by providing phase dimming in 180-245V range for 230V networks QULON-D saves up to 40% of energy costs and prolongs lamp lifetime (due to "soft start"). Dimming module provides wide range of diagnostic tools of output power lines as well as incorporates overload protection and short circuit resistance including built-in automatic bypass.

Key Features

- On/off light scheduling
- Controls any kind of discharge lamps with electromagnetic ballast
- Independent dimming of each phase in the range of 180-245V (for 230V networks)
- Powerline voltage stabilization
- "Soft start" (190-210V), prolonging lamp life
- Provides diagnostics of outputting power lines
- Overload protection & short circuit resistance
- Built-in electromechanical bypass
- No need to change old lamp



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.



Controller Qulon-D

Dimming module

Technical Specifications

Mechanical

- Material: Metal, Plastic
- Dimensions, mm: 1200(H) x 800(W) x 280(D)
- Mounting: On pole or wall

Power & Electrical

- Input Voltage: Three-phase AC 230 V, 50 Hz
- Maximum load power: 24, 45, 60 kW
- Adjustment range at rated voltage of 230V: 180-245 V or 185-230 V
- Adjustment step: 5 V
- Mains Fuse: 0.5 A

Environmental

- Operating Temperature: -40...+70°C
- Storage Temperature: -50...+80°C
- Operating Relative Humidity (max): 20-80%
- IP Rating: IP 54
- Certification: CE, RoHS
- Warranty: 36 Month (Return to base)

Inputs / Outputs

- Max voltage at inputs: 265 V
- Controllable output lines: 3 phase
- Connectors: Terminal blocks

Interfaces and Protocols

- Serial interface: RS-485 (MODBUS RTU)
- Max length of RS-485 line: 1500 m

Configuration / Indication

- Setup: remote via QULON-C, buttons on board
- Indication: LCD display, status LED

Package Contents

- Qulon-D module
- User guide
- Connectors kit
- Lighting cabinet key

Product Line

Name	Modification	Product code
QULON-D	24 kW	QUL-DIM-024
	45 kW	QUL-DIM-045
	60 kW	QUL-DIM-060



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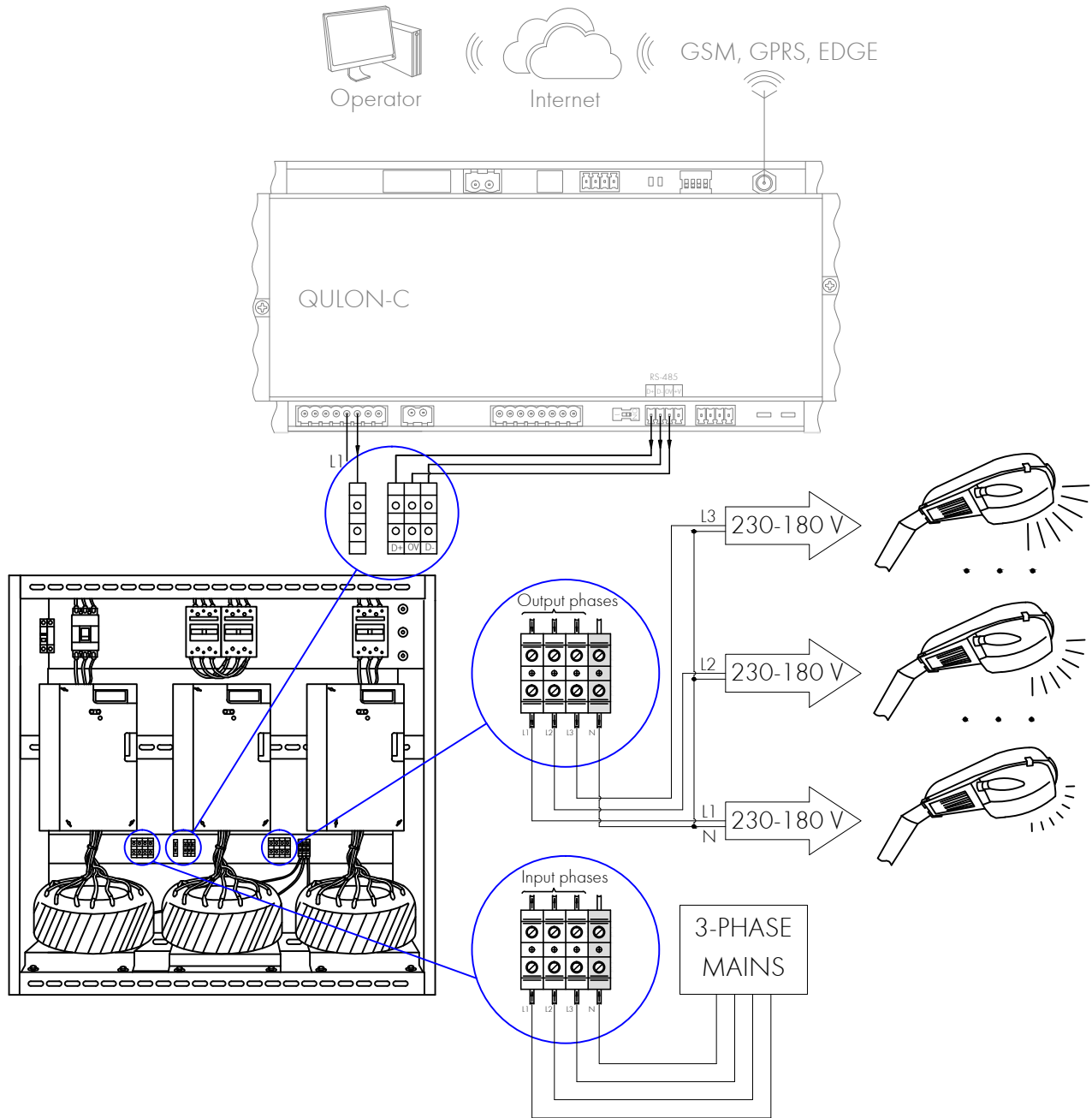


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Dimming module

Connection Scheme



Accessories

Name	Product code
Pole mounting kit	QUL-ACC-DIM-246
Surface mounting kit	QUL-ACC-DIM-247

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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