Street Lighting
Control & Management Software

Version: 2.10
14 Dec 2017

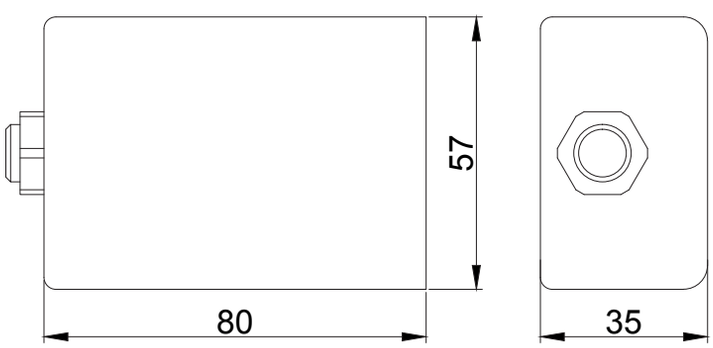
Simpline Node

Power Line Control management module

Powerline control unit. Mounted into luminaire housing or on the pole. Controlled by Central Gateway Qulon-C and Qulon Simpline add-on through power line using Sundrax's proprietary Simpline technology to communicate luminaire node controller with central gateway. Provides dimming functionality via different interfaces (DALI, PWM, 1-10V) as well as individual load control (on/off). Compatible with 3rd party motion sensors. PLC interface operates on CENELEC EN 50065-1 (band-C) standard in 132.5kHz frequency band.

Key Features

- Versions with open wires, terminal blocks and OEM
- Versions with the installation in any case
- Luminaire or pole case mounting
- Individual lighting control without additional wires
- Motion sensor input
- Embedded triac for load switching on/off



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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Simpline Node

Power Line Control management module

Technical Specifications

Mechanical

- Housing: Solid case
- Material: Plastic
- Dimensions, mm: 80(D) x 57(H) x 35(W)
- Mass: 0.3 kg
- Mounting: Luminaire case or Pole mounting

Power & Electrical

- Input Voltage: ~100-270 VAC, 50/60 Hz
- Max current: 1.5 A
- Anti-Jamming Filter: integrated (load power 20-250 W), external (load power 250-800 W)
- Max load Power: 300 W (integrated anti-jamming filter); 850 W (external anti-jamming filter)

Environmental

- Operating Temperature: -40...+70°C
- Storage Temperature: -50...+80°C
- Operating Relative Humidity (max): 100%
- IP Rating: IP 65
- Certification: CE, RoHS
- Warranty: 36 Month (Return to base)

Inputs / Outputs

- Connectors: Leads, Terminal blocks 2EDGVC
- Sensors: Motion sensor input

Interfaces and Protocols

- Control output interface: 1-10V/PWM, DALI
- Communication with controller: CENELEC EN 50065-1 (band C)

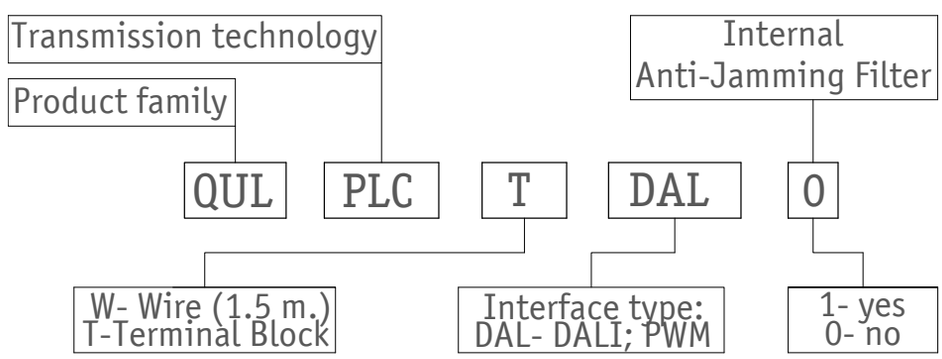
Configuration / Indication

- Setup: Remote via Qulon-C and Qulon Simpline
- Indication: LED (optional)

Package Contents

- Simpline Node
- Connectors kit (optional)

Product Line



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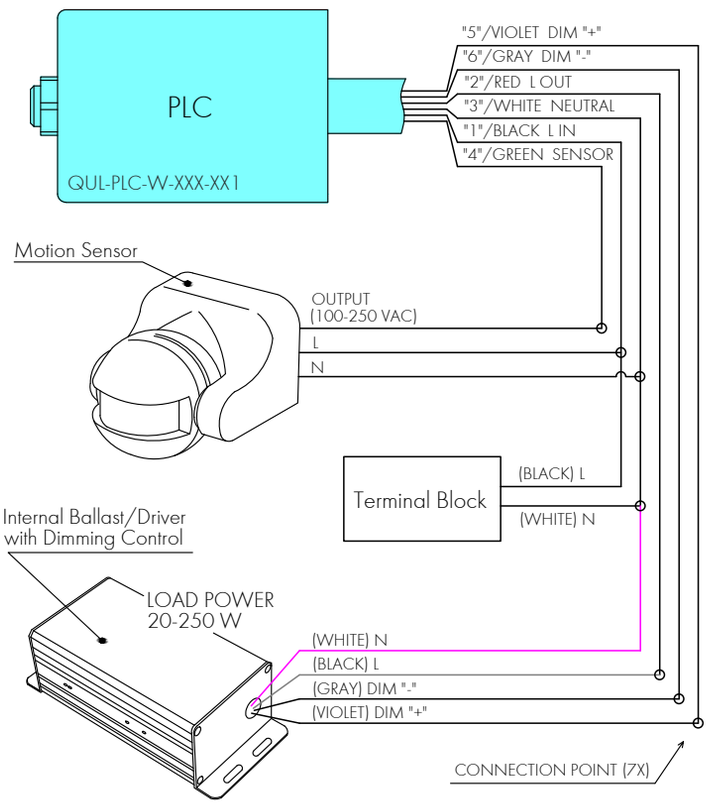
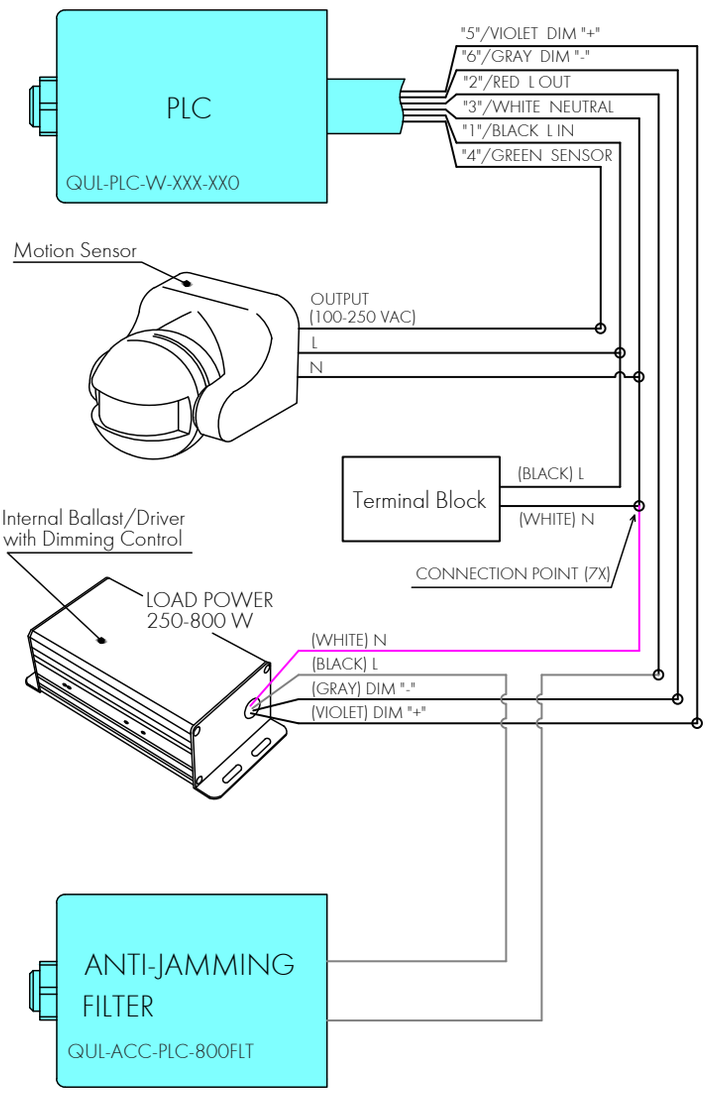
Connection Scheme

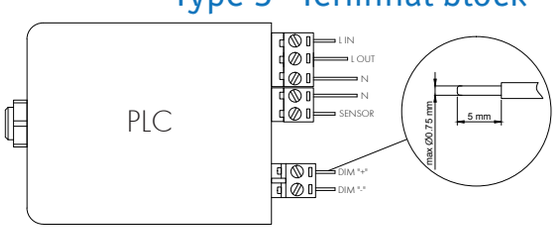
Type 1 “Wires+Integrated Anti-Jamming Filter”



Type 2 “Wires+External Anti-Jamming Filter”



Type 3 “Terminal block”



Accessories

Name	Product code
Motion sensor	QUL-ACC-XXX-112
Pole mounting kit	QUL-ACC-PLC-244
Luminaire mounting kit	QUL-ACC-PLC-245
External Anti-Jamming filter	QUL-ACC-PLC-800FLT

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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