



QULON ECO (Base Station)

Ecomonitoring station with replaceable sensors and GSM connection to server

Ecomonitoring base station is designed to record, collect, process and transmit ecological data. Eco parameters are collected by replaceable QULON Eco sensors which are mounted on Zhaga book 18 connectors and communicate with Base Station through DALI-2 interface. Qulon Server and Software store the monitored data and provide reporting. In cases where parameters go beyond the permissible thresholds, the system records these events and automatically sends out notifications to designated responsible parties.

Key Features

- Custom set of sensors (max 5) to be mounted on Eco base station
- Sensors and controller are connected through standardised Zhaga socket
- Hot swap: Live replacement of sensors at working QULON Eco base station
- Fully integrated into QULON Central Management System for street lighting



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QULON ECO Base station

Ecomonitoring station with replaceable sensors and GSM connection to server

Version: 1.2
20 Jan 2022

Technical Specifications

Mechanical

Housing: protected

Material: Plastic

Dimensions(without sensors), mm:

173(D) x 138(H) x 99(W)

Dimensions(with sensors), mm:

221(D) x 166(H) x 187(W)

Mass: 1 kg

Mass(wich stand): 1.2 kg

Mounting: on a support, a wall, etc

Power & Electrical

Input Voltage: ~100-277 VAC, 50/60 Hz;

Input Power (max): 3 W

Sensor Power

and central controller: 12-24 V

Environmental

Operating Temperature: -40...+75°C

Storage Temperature: -50...+80°C

Operating Relative Humidity (max): 100%

IP Rating: IP 65

Certification: CE, RoHS

Warranty: 36 Month

Interfaces and Protocols

Control output interface: DALI2

Navigation: GPS/GLONASS

Radio Channel: GSM 850/900/1800/1900,
WCDMA 900/2100 (optional)

Inputs/ Outputs

Connectors: Zhaga book 18

Sensors:

Gas Monitor(3 types)

Dust sensor

Noise level sensor

Radiation monitoring sensor

UV level sensor

Configuration / Indication

Setup: Remote via the QULON

Package Contents

Environmental

Monitoring station

Power cable

Password

Product Line

Name

Environmental Monitoring station

Modification

Central controller with GSM channel,
5 environmental monitoring sensors

Product code

QUL-ECO-BU



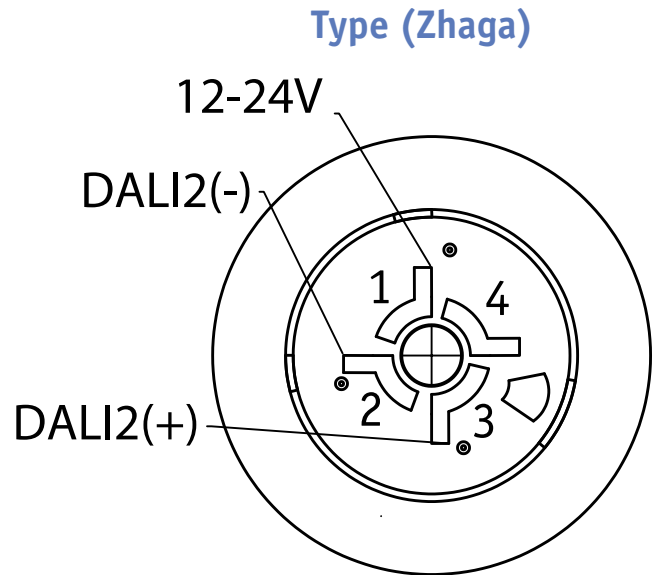
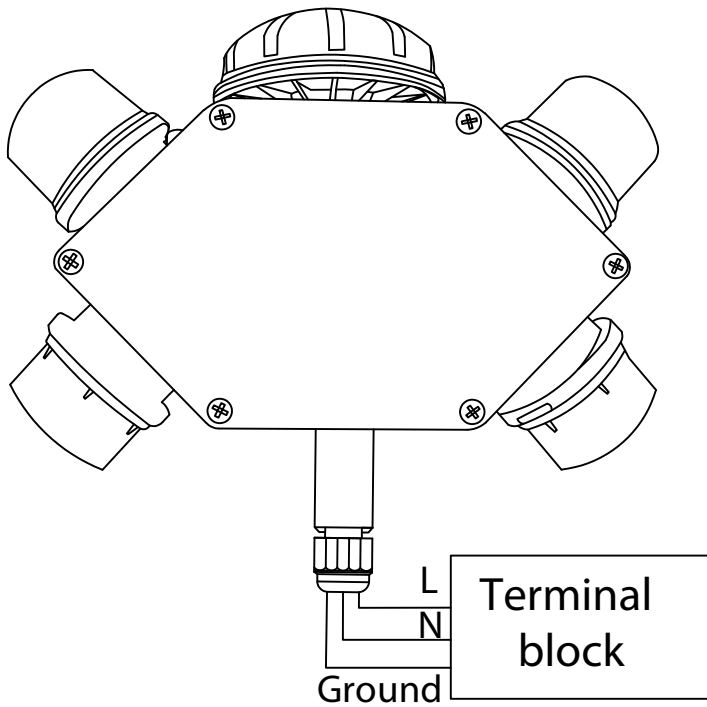
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QULON ECO Base station

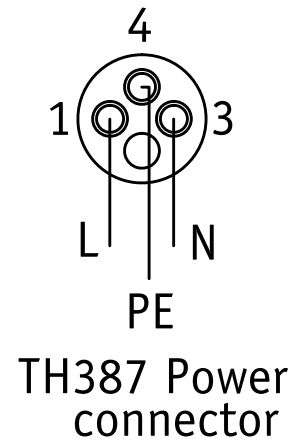
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Connection Scheme



Power connector



Accessories

Name

4-pin socket (Zhaga)
3-pin power connector (THB.387.B3A)

Product code

QUL-ACC-ZHG-139
QUL-ACC-PST-137