



LiTouch Node

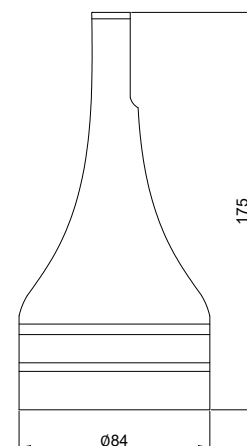
Individual control module for LiTouch wireless lighting management system (868/915 MHz)

LiTouch Node (radio control unit) is installed into the housing of each luminaire, and controlled by LiTouch Base Stations via 800-950 MHz radio channel. Provides dimming and diagnostic functionality via different interfaces (DALI, 1-10V/PWM) as well as individual load control (on/off). Compatible with 3rd party motion sensors.



Advantages

- Versions with open wires, terminal blocks and OEM
- Available for installation into any luminaire case
- Individual lighting control without additional wiring
- Embedded light sensor
- Optional embedded GPS/GLONASS receiver
- Optional triac for on/off load switching
- Motion sensor input
- Automatic node positioning on the map
- Integrated tilt/vibration sensor to diagnose lighting pole state or failure
- Available to connect QULON eco monitoring sensors through DALI 2.0



QULON CMS

The QULON CMS is an extremely powerful yet flexible lighting management system that allows remote control of lighting infrastructures of any size and sort: We successfully deployed this system to control street lighting in entire cities, highways and tunnels but also industrial and warehouse lighting, airports, livestock farms, greenhouses, parking lots, train stations, leisure centres, parks and many more; It is composed of two different interfaces, a PC software featuring the most advanced programming functions and a web version to monitor and control your lighting assets on the go, together they offer a complete suite of tools for any kind of project and any kind of user.

LiTouch Node

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Version: 3.20
30 Apr 2021

Technical Specifications

Mechanical

Housing: solid case

Material: plastic

Dimensions, mm: 84(D) x 175(H) x 84(W)

Mass: 0.3 kg

Mounting: luminaire case

Power & Electrical

Input Voltage: ~100-270 VAC, 50/60 Hz

Input Power (max): 5 W

Max load Power: 1000 W

Environmental

Operating Temperature: -40...+70°C

Storage Temperature: -50...+80°C

Operating Relative Humidity (max): 100%

IP Rating: IP 66

Certification: CE, RoHS

Warranty: 36 month (return to base)

Interfaces and Protocols

Control output interface: 1-10 V/PWM, DALI

Navigation: GPS/GLONASS (optional)

Communication with controller: ISM band 868/915 MHz

Sensitivity: 123 dBm

Output power: +14 dBm

Inputs / Outputs

Connectors: wires, NEMA C136.41 plug

Sensors: motion sensor input, embedded light sensor

Configuration / Indication

Setup: remote via Base station

Indication: LED

Package Contents

LiTouch module

Connectors kit

Product Line

Name	Modification	Product code
LiTouch Node	Wire, 0-10V/1-10V/PWM/DALI/DALI 2.0, GPS/GLONASS, accelerometer	QUL-LT-868-W-A
	NEMA, 0-10V/1-10V/PWM/DALI/DALI 2.0, GPS/GLONASS, accelerometer	QUL-LT-868-N-A
	Wire, 0-10V/1-10V/PWM/DALI/DALI 2.0	QUL-LT-868-W-B
	NEMA, 0-10V/1-10V/PWM/DALI/DALI 2.0	QUL-LT-868-N-B
	Wire, 1-10V	QUL-LT-868-W-C
	NEMA, 1-10V	QUL-LT-868-N-C
	Zhaga, GPS/GLONASS, accelerometer	QUL-LT-868-Z-A
	Zhaga	QUL-LT-868-Z-B

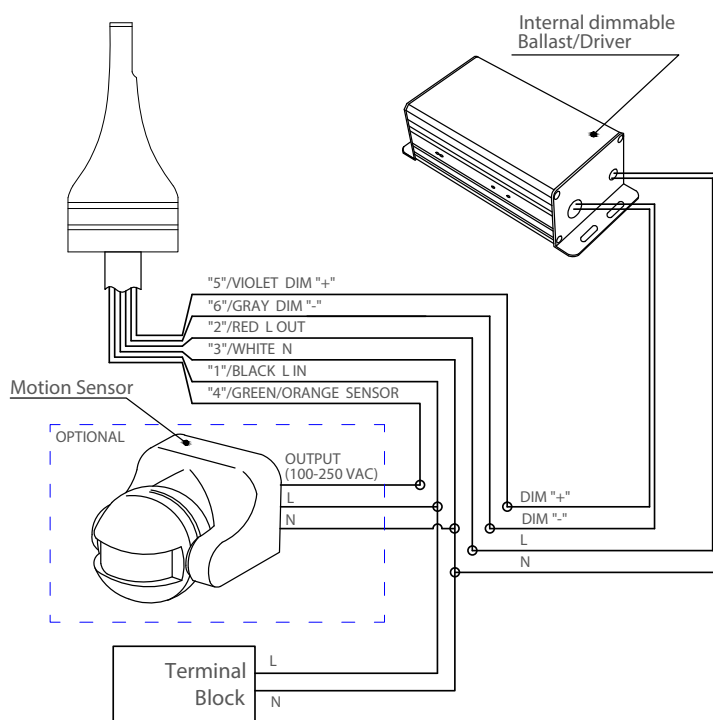
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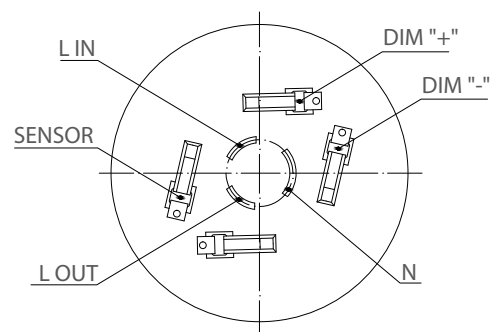
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Connection Scheme

Wired connection



NEMA connection



ANSI C136.41-2013 COMPATIBLE

Alternative wire colors

N	LIN	LOUT	DIM +	DIM -
Blue	Brown	Yellow-green	White	Black



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.

Accessories

Name

5-pin NEMA connector socket
7-pin NEMA connector socket
Microwave Motion Sensor
PIR Motion Sensor
Luminaire Arm Mounting Kit
Pole/Wall Mounting Kit
Lighting Cabinet Mounting Kit
Protective Cap

Product code

ACC-CON-NEMA5
ACC-CON-NEMA7
ACC-OP-SENSM
ACC-OP-SENSI
ACC-MK-CB-LBRA
ACC-MK-CB-LP/W
ACC-MK-CB-ELCAB
ACC-PE-CL-LP/W



+ 44 (0) 208 991 33 19
office@sundrax.com
www.sundrax.com