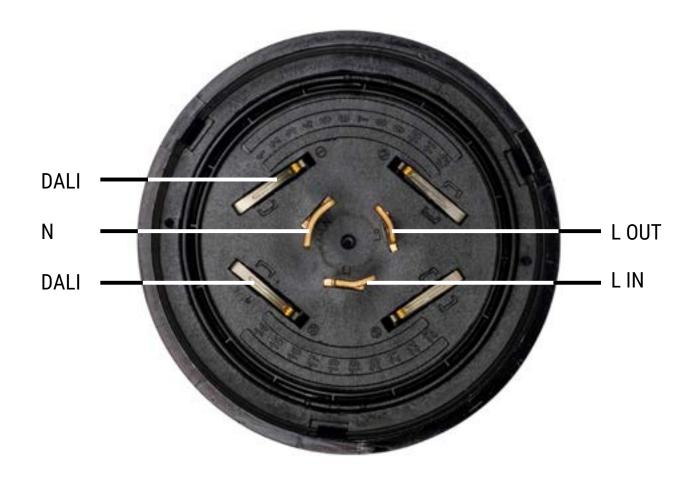
IoT Node PLC NS





With multifunctional outdoor luminaire controller CitySys IoT Node streetlight luminaires gain personality. Great compatibility and easy installation into luminaires with standard 7-pin NEMA socket from different manufacturers make it the perfect choice for remote luminaire control.

Key features

- Great compatibility and easy installation into luminaires or poles from different manufacturers makes the CitySys IoT Node a perfect choice for remote luminaire control.
- Dimming profile upload and energy measurement download from luminaire is enabled through continunuous real time communication over power line or wireless networks.
- Built-in control interface DALI and RELAY enables CitySys IoT Node to save

energy by adjusting luminaire dimming level according to the dimming profile.

- CitySys IoT Node can detect luminaire failures through precise energy measurement with its built-in energy meter.
- Street lights can become even smarter by combining sensor technologies like movement sensors or traffic sensors with CitySys IoT Node outdoor luminaire controller.

Size and Weight

Height 97 mm
Diameter 84 mm
Weight 184 g

Enclosure

IP class 65

Environmental requirements

Operating temperature from -40° to +55° C (Higher ambient

temperature allowed as long as Tcase max

is not exceeded)

T case max 75 °C

Storage temperature from -40° to 85° C Relative humidity < 95%, non-condensing

Communication

PLC HD-PLC technology

Dynamic mesh topology Network size up to 128 nodes

Network depth up to 10 hops

Power

Voltage 90 - 240 VAC Frequency 50/60 Hz Peak over voltage 600V

Input current 15mA for 230VAC Power consumption <2W (Max peak 4W)

Max. output power (relay) 300 W

Wiring NEMA Socket 7-Pin

Inputs and Outputs

Mains power 1x
Relay output 1x
DALI interface with power 1x

(max. 30 mA / non-isolated)

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