

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 continuous 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
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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
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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)

