



EnergyNode Inset

BLUETOOTH | DIN

REMOTICOM | EnergyNode Inset | D4i

EnergyNode Inset.

Remoticom's EnergyNode Inset is an innovative compact device (DIN 2) designed to be built into lighting poles in a DIN rail box. The device brings control from the DALI driver (DALI 2.0 or D4i) located at the top of the pole to the bottom of the lighting column. It allows configuration of the individual pole using an app. The device communicates over Bluetooth with the installer's mobile device. It is a low-cost device that allows lamps to be configured cost-effectively without using cloud-based portals.

The EnergyNode Inset allows setting a 5-step dimming profile. The controller determines the time of day based on an algorithm based on the power cycle. The device is an alternative to solutions based on photocell or mains switching.

The EnergyNode Inset app allows to configure the controller. The app is an easy-to-use tool. Dimming profiles can be saved and rolled out to other lamps with a quick copy-paste.

The controller thus allows cost-efficient and easy energy cost savings. With its low cost and long lifetime, the investment in this device is immediately recouped.

ADVANTAGES.

- ✓ Sustainable, energy- and cost-saving solution
- ✓ Dimming regime up to 5 steps, each level adjustable from 10-100%
- ✓ DIN-rail mountable
- ✓ Lighting control via simple app for access, configuration and control
- ✓ Save configuration profiles in the app. Quickly apply saved configurations to next luminaires
- ✓ Suitable for a switched-mode power supply system
- ✓ Timing based on the on/off cycle of the supply network
- ✓ Works on 230V power supply
- ✓ Works with all DALI drivers
- ✓ Reading out D4i banks e.g. 251 (Asset Data), 252 (Energy Metering), 253 (Diagnostics)
- ✓ Compact size, 4-wire connection.
- ✓ DALI certified

PRODUCT INFORMATION EnergyNode Inset.

Product information	
Supply	Mains 220V-240V/50-60Hz
Driver communication	DALI
User Device Communication	Bluetooth (BLE 5.3)
Application Class	Class II construction (Note: Suitable for both Class I and Class II installations)
Approbation	CE, RED, DALI
Ingress Protection	Housing IP40, Connectors IP20
Programmable Dimming	5-step (light level & duration) via virtual clock
Operating temperature range	-30°C to +75°C
Lifetime	100Khrs operational hours @ 90% survivals
Language options	EN, FR
Data read/export	Easy read & export of lighting point settings and D4i data via app
Dimming Regime	5 step dimming regime customization and stored via app
Settings replication	Settings can be replicated via copy paste in the app
Security	Key protected
Supported Operating Systems	Android
Surge protection level	6KV
Dimensions (wxhxl)	35mmx40.2mmx89.5mm
User distance-to-device recommendation	For optimal communication distance should be 5m or less when mounted in a metal enclosure
Maximum number of drivers able to be controlled by one device	1
Wire interface	• Wire gauge: 30 - 14 AWG / 0,05 - 2,08 mm² • Strip length: 6 mm
Commisioning	LED indicator confirming proper connection of controller to luminaire and for workshop programming

Commercial	
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