

DALI Bluetooth Interface

The PL171 is a luminaire mounted BLE to DALI interface, built to achieve wireless controls to a luminaire fitting. The PL171 is designed to complement the PS58x sensor range, receiving commands on the BLE mesh, which are then relayed over DALI to the LED driver in the fitting. The Bluetooth mesh also interfaces with the GN100 GO™ Edge Gateway to collect and export data to the cloud.

Other variants available on request:

PL170 – DALI (open PCB)



Key Features

- Live and Neutral through-wire terminal (In-Out)
- Bluetooth mesh networking
- Low profile form-factor
- Automatic device discovery
- DALI-2 Compliant

Accessories

- PS580 BLE Track Sensor
- GN100 BLE Edge Gateway

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DALI Bluetooth Interface

Specification

Wireless Specification

Bluetooth®:	V4.2 Single Mode
Frequency:	2.402 - 2.480GHz
Max transmit Power:	4dBm
Receive Sensitivity:	-91dBm (typical)
Whisper mode:	Down to -55dBm (transmit)
Link Budget:	95dB (@1Mbps)
Raw Data Rates:	1Mbps (over the air)

Approvals

Bluetooth ®:	End Product Listing (EPL)
Conformance FCC/IC/CE/MIC	

Connections

6-way push-fit input 1.5mm (16AWG) recommended

Mains Input

Mains Supply: 230Vac +/- 10%; 50Hz

DALI Supply

20mA DALI current output
DALI-2 Compliant

Dimensions

110.5mm x 31.5mm x 25.8mm (L x W x H)

Safety

EN 62368-1
Isolation: 4kV between mains & network

Conformity & Standards

EMC emissions: EN 61000-6-3
EMC immunity: EN 61000-6-1
Housing material flame-proof ABS
ARCOM MasterSpec 2013 Classification 29 09 23

Environment

Storage
Temperature: -10°C – +60°C
Humidity: 0% - 90% non-condensing

In Use

Temperature: 0°C – +56°C
Humidity: 10% – 90% non-condensing

Technical Data

