



Order Code White: DGOZ-SEN-LL65

Overview Light Level Sensor with IP65 enclosure suitable for DALI outdoor light level measurement.
Also includes DALI-2 Application Controller to allow advanced control functions.
Suitable for DALI and DALI-2 systems.

- Features**
- Light level (lux) sensor.
 - IP65 rated with multiple conduit entries.
 - Connects directly to a DALI line and powered from the line.
 - DALI-2 Certified, multi-master.
 - Very low current draw from a DALI line.
 - DALI-2 light level measurement instance type supported; with both low range (0 - 1023 lux) and high range (0 – 65535 lux) available.
 - The internal Application Controller is optional, and if used:
 - Supports small systems with no additional Application Controllers needed;
 - Supports additional resilience when used in a RAPIX Lighting Control System;
 - Actions for the light sensor are configurable, with typical examples being sunset switch, or dusk switch with timer;
 - Powerful enable/disable rules;
 - Support for multiple Zones - being collections of DALI Groups and/or DALI Short Addresses;
 - Supports DALI and RAPIX Scenes.
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Typical Applications Commercial buildings, Hotels, Retail, Education facilities.

DALI System Commissioning

This product is set up using any DALI-2 commissioning software that supports DALI-2 Control Device instance type 4. For the higher resilience of RAPIX and to use the built-in Application Controller, the free *RAPIX Addressing* or *RAPIX Integrator* software should be used.

DALI-2 Instances

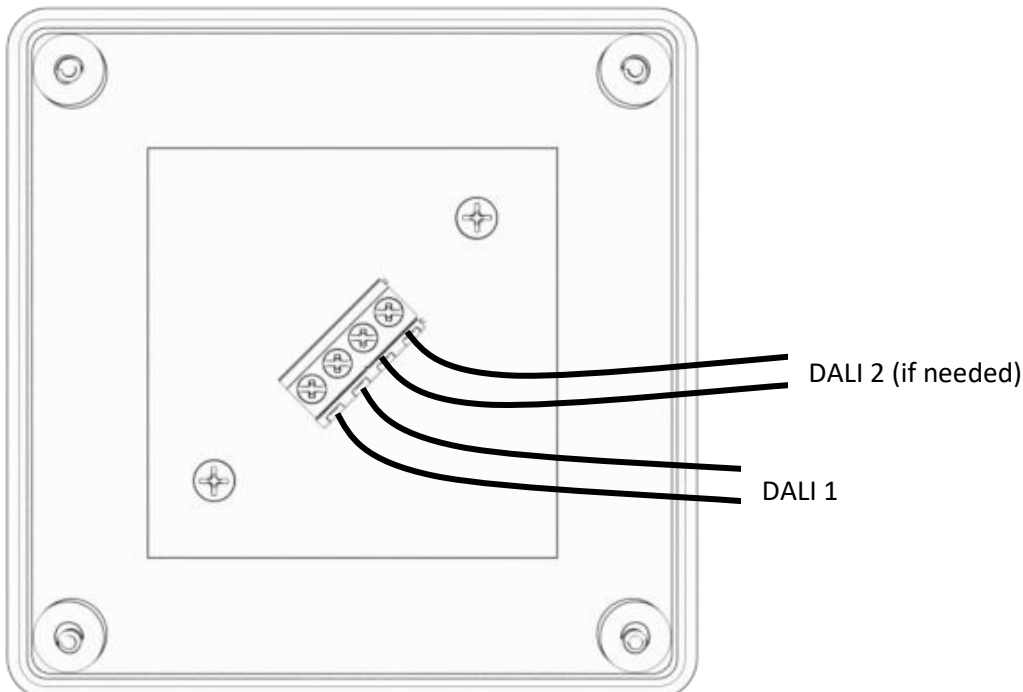
This product has 1 instance:

Instance 0 Type 4 Light Level






Sealing and IP Rating

This product includes conduit entry holes and glands. Maintaining the IP65 rating relies on:

- **Front cover being properly fitted with gasket in place and properly tightened;**
- and**
- **All entry to the enclosure being properly sealed. This includes any additional screw holes, cable glands and conduit entries. Silicon sealer or similar must be used to seal all entry points.**

Connections

Specifications: RAPIX DALI-2 IP65 Outdoor Light Level Sensor

Parameter	Specification
Light Level Measurement range	0 – 1023 lux (default) DALI Operating Mode allows optional high range: 0 – 65000 lux
Power source	DALI Line
Compatibility	DALI and DALI-2
DALI Line operating voltage	16 V dc (nominal), operation from 9.5 V – 22.5 V
DALI Line current draw	2 mA
Start up time	< 1.2 seconds
Mains tolerance	DALI input is mains voltage tolerant
DALI connection	4 Tunnel Terminal block Each tunnel suitable for 1 x 2.5 mm ² or 2 x 1.5 mm ² wires
Ambient operating temperature	0 to 70° C
Ambient storage temperature	-10 to 90° C
Humidity	0% to 95% RH non-condensing
Ingress protection	IP65
Materials	Polycarbonate
Weight	210 g
DALI addresses used	One DALI-2 Control Device Short Address, no Control Gear Short Addresses
DALI Addressing types supported	Short Addresses, Group Addresses, Scenes, Broadcast
RAPIX Application Controller DALI addressing types supported	Control Gear Short Addresses, Group Addresses, Scenes, Broadcast
Additional addressing types	RAPIX Zones, RAPIX Flags, RAPIX Operating Properties
Approvals	    

Standards & Compliance
EMC and Electrical Safety Frameworks and Standards

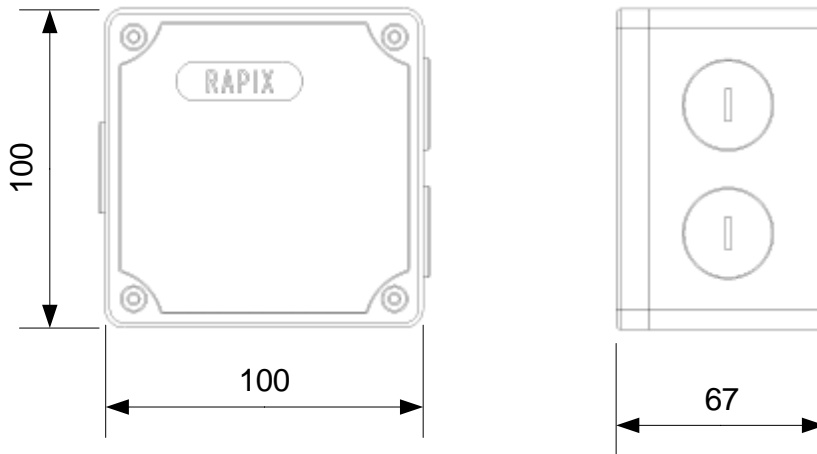
IEC/EN 55015, AS/NZS CISPR 15, AS CISPR 15
 EN 55032, AS/NZS CISPR32
 EN 55035
 EN 61547
 EN 61347-2-11, AS/NZS 61347.2.11
 EN 61347-1, AS/NZS 61347.1
 EN 62368-1

DALI Standards and Compliance

IEC 62386-101 Ed 2 (DALI-2)
 IEC 62386-103 (DALI-2 Control Devices)
 IEC 62386-304 (DALI-2 Instance Type Light Level Sensor)

EC Council Directives

2014/35/EU Low Voltage
 2014/30/EU Electromagnetic Compatibility (EMC)
 2015/863 Restriction of Hazardous Substances (RoHS) in Electrical and Electronic Equipment

Dimensions**Contact Information**

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This product includes a **TWO-YEAR WARRANTY** against manufacturing defects.

RAPIX is a trademark of Ozuno Holdings Pty Ltd.

DALI and **DALI-2** are trademarks of the Digital Illumination Interface Alliance.

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