INSTALLATION INSTRUCTION: Luminext Outdoor Lamp Controller OLC150

The Luminext OLC150 is a product in the Luminext program for dynamic dimmable street lighting and is suitable for most EVSA's and LED drivers with DALI and 1-10V interface. The OLC150 communicates with the Segment Controller (SC1) over the existing electricity network via LonWorks® technology. The OLC's are therefor one of the most reliable controllers which uses open technology.

Safety

- Installation and maintenance should be performed by qualified personnel only.
- Adhere strictly to this installation instruction to avoid danger and damage to the OLC150.
- Disconnect power at the source before installation, inspection or removal. The voltages at the primary and secondary side of the OLC150 are not touch proof.
- Do not use the OLC150 if it is damaged.
- The electrical installation must be in conformance with the national legislation and relevant standards.
- The mains connection of the OLC150 must be provided with a 2A fuse and a possibility to disconnect the mains.
- The OLC150 must be mounted in an IP65 classified housing.

Application

Refer to the OLC150 data sheet (see luminext.eu) for the maximum ratings of to be connected output power and the environmental conditions.

Contact information: for more info please contact the product supplier

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Installation

1. Check if the Driver is prepared for dimming and set correctly.
2. Disconnect the power to the fixture and read the safety instructions above
3. Check if the fixture and/or housing is suitable for mounting the OLC150: pay special attention to if the fixture is IP65 and if the driver is suitable.
4. Check the OLC: make sure the OLC150 is not damaged.
5. An extra barcode sticker is attached to the OLC150. Remove the barcode sticker and stick it clearly visible to the outside of the fixture. The installer will register this barcode information during the installation process.
6. There is a third sticker with barcode present. This should be attached at 50 cm from the bottom of the pole wire.
7. Mount the OLC150 sturdily to the fixture with double side tape. In doubt please contact Luminext.
8. De OLC150 can be wired in four configurations: DALI driver or 1-10V driver. See wiring diagrams below. There can be two drivers connected on DALI and individually controlled. DALI addresses must be set to short address 1 and 2 via IR remote control, or external DALI tool like Philips MultiOne.
9. When a SR-Driver or D4i driver is used you have to switch OFF the DALI PSU of the driver.
10. Use 1.0 mm^2 wiring for all connections. Push the wires completely into the terminal block. Use wire end sleeves when using flexible wires.
11. Connect a 230V AC power cable to the OLC according to the wiring schedule below (page 3).
12. Close the fixture. Take care that no wires of objects get in between the seals.
13. Connect the power cable to 230 V AC power and test the correct functioning of the fixture and OLC150. In case of malfunctioning check the wiring.
    o When connected to power the lamp will start burning. This might take up to 20 seconds.
    o Check with a test segment controller if the controls work correctly.

Wiring diagrams

OLC150 + DALI driver:

Connect the power input of a DALI driver to the 230V output of the OLC150.

OLC150 + 1-10V driver:

Connect the power input of a 1-10V driver to the 230V output of the OLC150.

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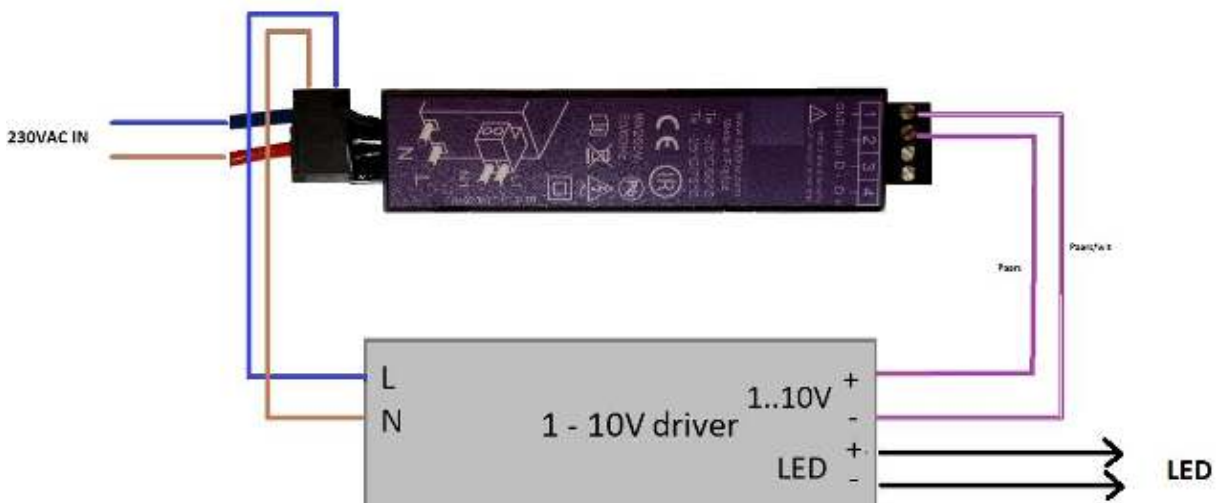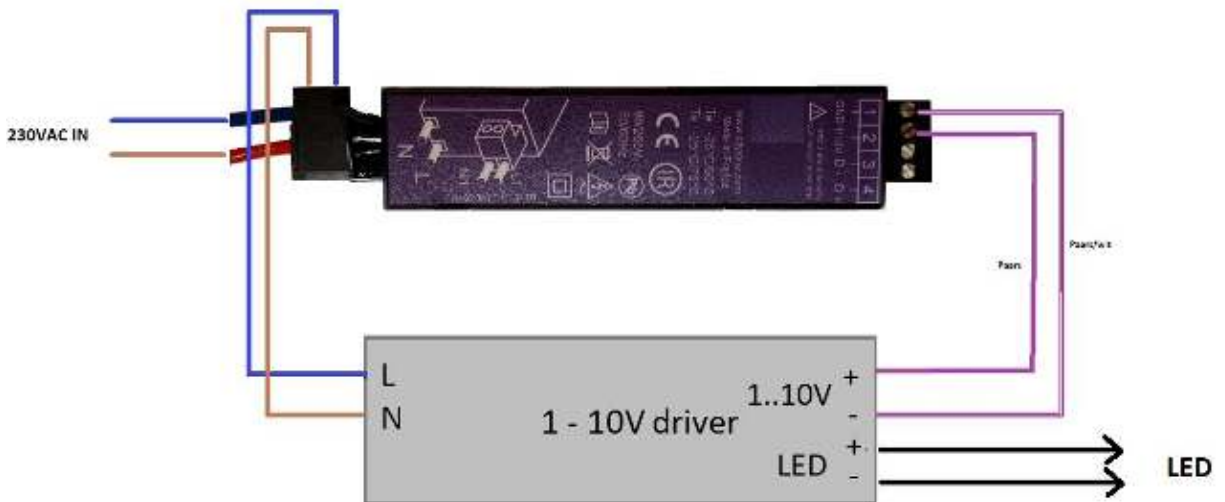www.luminext.eu

OLC150-DI-D:

Connect the power input of a DALI driver to the 230V output of the OLC150. Contacts 1 and 2 can be used to connect a potential free contact from a motion sensor, PIR or Radar.

OLC150-DI-A:

Connect the power input of a 1-10V driver to the 230V output of the OLC150. Contacts 3 and 4 can be used to connect a potential free contact from a motion sensor, PIR or Radar.

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Configuration

When the OLC150 is powered, the connected lamp should be on. Use the Luminizer management software for configuration of the OLC150.

Usage

The OLC150 will control the connected driver and lamp.

Compliance

This product complies with the European directives and relevant standards for 2006/95/CE low voltage, 2002/95/CE ROHS and 2004/108/CE EMC.

 For the OLC150 product datasheet see luminext.eu

Repair

Do not open this product. In case of failure the OLC150 must be replaced.

Recycling

Do not dispose this product as household waste, but bring it to an appropriate collection point for recycling.

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