



Smart city & smart lighting

Lighting controllers from range SL31 has been renewed !

New version of SL31, **SL31+** can manage drivers for public lighting but also ensures protection of electronical equipments of the luminaire against voltage failures.



SL31+

Smart Lighting controller
with voltage failure protection

SL31+ allows to



reduce energy consumptions (thanks to dimming, extinction...) and make **savings**



adapt lighting to city usages (presence detection, time schedules...)



ensure protection of luminaire equipments in case of **voltage failure or wiring error** (thanks to relay wiring)



protect biodiversity thanks to lighting time schedules



detect failures and **follow consumptions** (for connected solution)



anticipate public lighting network as **the smart city basis** (switching the lighting off during the day on a network powered 24/7 to be used by other urban elements)



enhance city attractiveness thanks to enhancements made by public lighting

USE CASES

- *Independant management of light sources with a pedestrian luminaire and a road luminaire*
- *Luminaire protection against voltage failure from the network or neutral loss*
- *Management of luminaires up to 600W*
- *Switching off of additional equipments powered by public lighting network : festive lighting or other urban elements (such as bus shelters lighting) thanks to relay*
- *Management of projectors for statics colored lighting (RGBW)*

TECHNICAL FOCUS

- LonWorks® powerline communication protocol
- Local or connected mode
- Installation in luminaire or in the pole
- Management of electronic DALI drivers (switching on/off, dimming)
- Permanent 400V overvoltages withstand: protection of downstream equipments by power cut (according to relay wiring) and sending of alarm in connected mode
- Management up to 4 lighting sources independently or RGBW management (with an iLon smart server in the cabinet)
- Measurement of instantaneous parameters (voltage, current, power factor, energy and time functioning)
- ON/OFF relay to manage:
 - powering of festive lightings or other urban elements
 - or on/off switching of 1/10V or magnetic ballasts,
 - or switch off of luminaires during the day with a 24/7 powering,
 - or power cut on downstream equipment in case of overvoltage
- Detection management (Citylone' sensor powered by DALI or market sensor with Dry entry contact)

NORMS / WARRANTY

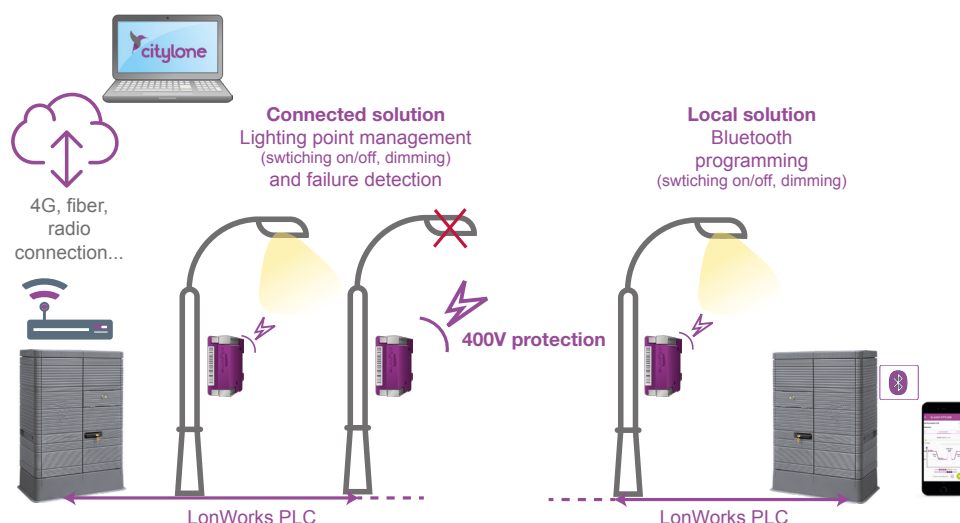
2014/35/UE « LOW VOLTAGE » DIRECTIVE

2011/65/UE « ROHS » DIRECTIVE

2014/30/UE « ELECTROMAGNETIC COMPATIBILITY » DIRECTIVE

All our products come with a 5-year warranty for standard exchange (see T&C for details).

RANGE



RÉFÉRENCES	DESCRIPTION
Local solution SL31+ EDA-L	1 power supply output (600W -3A) 2 control connectors to control up to 4 DALI drivers 1 NO/NC relay: dry entry contact or protection over 400V
Connected solution SL31+ EDA4-T SL31+ EDA4-TTL	1 power supply output (600W -3A) 2 control connectors to control up to 4 DALI drivers 1 NO/NC relay: protection over 400V
Connected solution SL31+ EDA-ECS-T	1 power supply output (600W -3A) 1 control connectors to control up to 2 DALI drivers 1 NO/NC relay: dry entry contact or protection over 400V

For more information,
please refer to technical guide



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