



# SLaM-BiLevel

Lamp controller for two level outdoor lighting ballasts  
**ON/OFF/BiLevel light control device with alarms management**

**SLaM-BiLevel is an electronic device for streetlight point to point energy saving applications with relay for switching a luminaire and an extra relay to control a two level ballast.**

**The device provides the flexibility to convert any conventional installation onto a two level ballast controlled without adding any new wire.**

**The product includes an electronic circuit to detect blown lamps and send an alarm to a maintenance company.**

SLaM-BiLevel is a device that includes an electronic circuit to remote control any light, with the ability to individually switch or dim to a second light level any luminaire equipped with a two level ballast, providing a cost effective solution for outdoor lighting

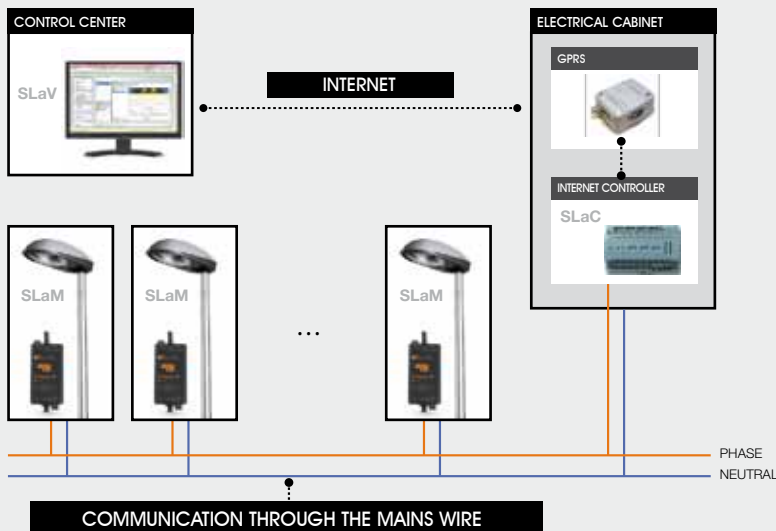
installations. The device includes a data transmission system complying with the EN14908 standard (LonWorks®) which is used to send and receive information to/from a control cabinet. The system takes the advantage of using the existing mains wiring of the installation as a communications channel between the cabinet and the SLaM-BiLevel devices.

The second light level can be achieved sending a specific message over the mains wire up to any luminaire that the installer wants to reduce the energy consumption. At this time, the SLaM-BiLevel changes the status of the second relay to provide the corresponding signal to the two level ballast.

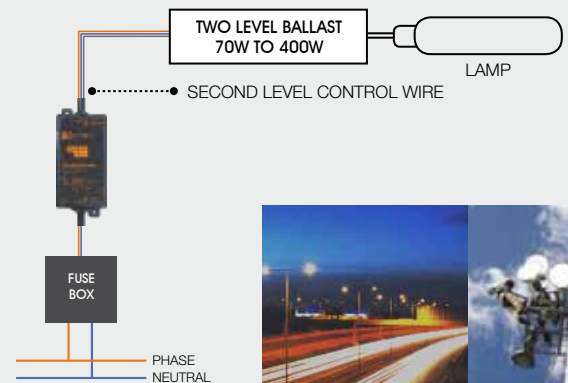
With this functions the installer can convert any existing installation into a energy saving site, without adding or changing any new control wire between the cabinet and the luminaires.

- TWO LIGHT LEVEL POINT TO POINT CONTROL
- INSTALLABLE WITH NO CONTROL WIRE
- INDEPENDENT CONTROL OF GROUP LIGHTS
- ALARM REPPORT FOR EVERY LIGHT POINT
- USES EXISTING MAINS WIRE TO TRANSMIT DATA
- STANDARD OPEN SYSTEM EN14908

## INSTALLATION EXAMPLE FOR REMOTE CONTROL



The *SLaM-BiLevel* device uses the existing mains wire to communicate up to the control cabinet. The cabinet includes the SLaC Internet Controller and a GPRS modem to communicate up to the maintenance center, where the SLaV software application informs about the luminaires status and alarms. No control wire is needed to manage the second level ballasts.



## PRINCIPAL FUNCTIONS

- > ON/OFF switching remote control of every lamp
- > Second light level control with no control wire from the cabinet
- > Alarm failure of every lamp

## ENERGY EFFICIENCY

- > Second light level independent control on every lamp
- > Individual remote control of every luminaire
- > ON/OFF selective zone control
- > Independent scheduling control for each defined zone

## REMOTE CONTROL

- > ON/OFF/BILEVEL remote control and by scheduler in cabinet
- > Status monitoring of every light point
- > Alarm monitoring of the luminaires

## ALARMS

- > Blown lamp: The lamp has blown and must be changed
- > Lamp flickering: The lamp begins to fail
- > Capacitor failure: The capacitor must be changed (in electromagnetic)
- > Internal device failure: The device must be replaced

## INTEGRATION

- > Open interoperable system
- > LonMark® compatible

## PRODUCT REFERENCE

- 01-0202101 SLaM-BiLevel, Smart Lamp Manager with BiLevel control output and alarms
- 01-0202102 SLaM-BiLevel, Smart Lamp Manager with BiLevel control output

## MAIN FEATURES

- > Power supply 95 to 250Vac
- > Max. Power 1,5W
- > Working temperature -20°C (-4°F) to 70°C (158°F)
- > Electromagnetic or electronic ballast control
- > Can control any type of discharge lamps from 70W to 400W
- > Automatic load detection
- > Automatic disconnection when lamp failure detected
- > Extra relay to control second light level ballast input
- > Provides a preventive maintenance of the installation
- > Alarm detection by cos phi, voltage and current measurement
- > Installable in pole, inside light point or waterproof enclosure
- > Open communications protocol EN14908 (LonWorks®)
- > Transmission media using mains wiring (PowerLine)
- > Retransmission data algorithm increases communications reliability
- > Standard PowerLine communication CENELEC 50065-1
- > Dimensions 63x118x40mm (2.45x4.6x1.56 inch) (x-y-z, without fasteners)

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