MULTILAMP

Remote Control of Street Lighting

SLaM-ON

Lamp controller for outdoor lighting applications

ON/OFF light control device with alarms management

***SLaM-ON* is an electronic device for streetlight point to point control which includes a relay contact for switching on and off a luminaire.**

The device includes an electronic circuit to detect blown lamps and send the corresponding alarm to a maintenance company.

SLaM-ON is a low cost device designed to do point to point light control, to save energy in 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-ON** devices.

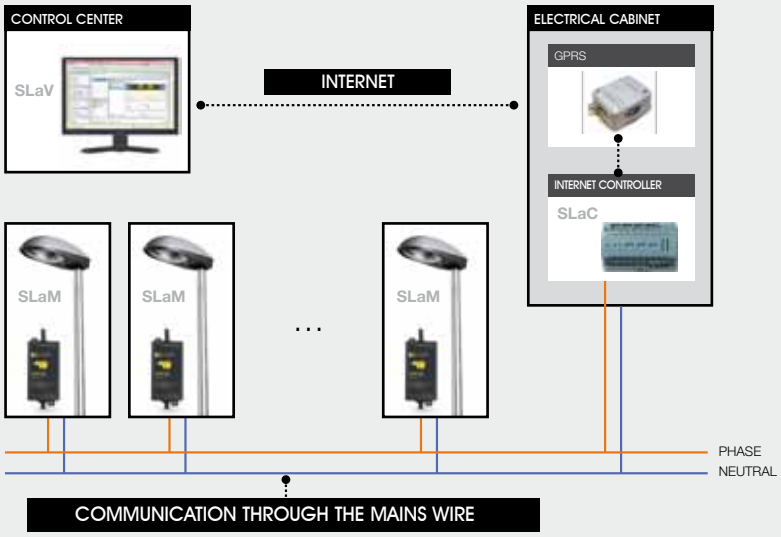
The device handles messages sent from the cabinet, to control the status of every light, with the ability to switch them on and off independently. At the same time the device informs the cabinet about the status of every lamp and sends alarm messages when the lamp blows or the capacitor breaks.

The advantage of installing one **SLaM-ON** device per luminaire is the possibility to do an independent on/off control of lights or groups of them without modifying the status of the other ones, adapting the light level of the installations to the real level needed at any time.

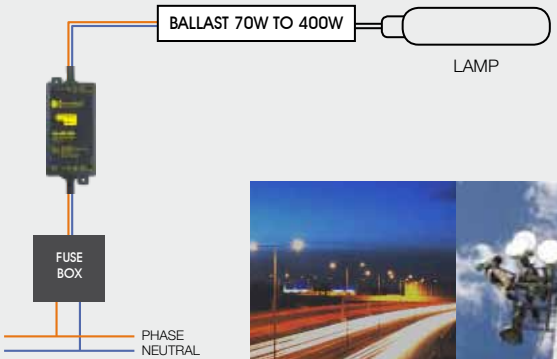
This solution allows the specifiers to define multiple configurations that brings real energy saving installations.

- **INDIVIDUAL ON/OFF** LIGHT SWITCHING
- **INDEPENDENT CONTROL** OF GROUP LIGHTS
- **ALARM REPPORT OF EVERY** LIGHT POINT
- **ELECTROMAGNETIC AND** ELECTRONIC BALLAST CONTROL
- **USES EXISTING MAINS WIRE** TO TRANSMIT DATA
- **STANDARD OPEN SYSTEM** EN14908

INSTALLATION EXAMPLE FOR REMOTE CONTROL



The *SLaM-ON* 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.



PRINCIPAL FUNCTIONS

> ON/OFF switching remote control of every lamp
> Alarm failure of every lamp

ENERGY EFFICIENCY

> Independent remote control of every luminaire
> ON/OFF selective zone control
> Independent scheduling control for each defined zone

REMOTE CONTROL

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

ALARMS

> Lamp blown
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

01-0101101 SLaM-ON, Smart Lamp Manager with ON/OFF output and alarms
01-0101102 SLaM-ON, Smart Lamp Manager with ON/OFF output

MAIN FEATURES

> Power supply 95 to 250Vac
> Max. power 1,5W
> Working temperature -20ºC (-4ºF) to 70ºC (158ºF)
> 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
> Provides a preventive maintenance of the installation
> Alarm detection by cos phi, voltage and current measurement
> Installable in pole, inside light point or water proof enclosure
> Open communications protocol EN14908 (LonWorks®)
> Transmission media using existing 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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