citylone

Smart city & smart lighting

Citylone offers a simple and innovating alternative to preprogrammed ballasts.
Citylone's Bluetooth programming solution combines strengths of Power Line Carrier (PLC) based on LonWorks® protocol, open and interoperable, with the intuitiveness of Bluetooth. This solution is easily adaptable to the evolutions of the installation.

LOCAL SOLUTION
programmable in Bluetooth
SL-Easy

I need

- To drive easily my installation
- To consult and change my programming easily
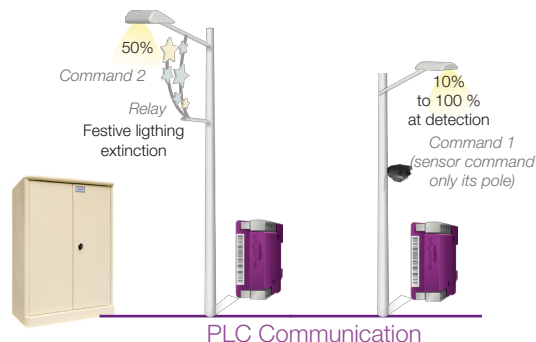- To have an economical solution
- To be autonomous on my solution

Installation example

At the beginning of the night...

During the night...

Programming
in Bluetooth
by smartphone

SL-Easy

100%
Command 2
Relay

10%
Command 1

PLC Communication

50%
Command 2

Relay
Festive ligthing extinction

10%
to 100 %
at detection
*Command 1
(sensor command only its pole)*

PLC Communication

Energy savings with a simple and local solution

Management up to 2 groups in dimming and on in ON/OFF

Fixed schedule management and hourly schedules (week / week-end)

FREE

Smartphone application to view and modify the programming

APPLICATIONS

Solution allows to:

- 💡 **reduce energy consumption** thanks to **two-level dimming control** and **optimized integrated time management**
- 💡 **manage and consult the programming** from a centralized point **with a free smartphone application**
- 💡 **easily modify** the dimming parameters to simulate and define the best levels of illumination
- 💡 **guarantee the expected results** by an automated programming of the equipment during maintenance
- 💡 **manage presence detection** for the entire installation.

This solution can evolve to a connected solution (Please consult us).

Applications Cases

• ALLOW A COLLECTIVITY TO MANAGE ITS LIGHTING ON HER OWN:

Thanks to smartphone and Bluetooth, community can change lighting for one-time needs

• IMPROVE MIDDLE OF NIGHT EXTINCTION:

The solution allows to make dimming at the beginning and end of the night on a site working in nocturnal extinction

• VALIDATE LEVELS OF ILLUMINATION IN AN AUTONOMOUS WAY:

The smartphone application allows to test different levels to validate your needs

PRINCIPLE OF OPERATION

Outdoor Lighting Controlers (SL11, SL21, SL31) are placed at each lighting point.
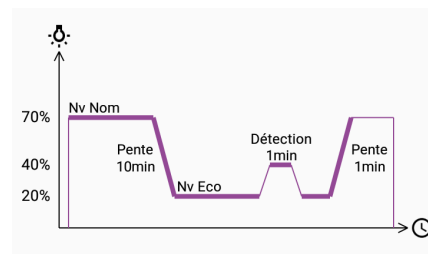
With its integrated time management, the **SL-EASY** (SL-EASY-BLE + SL-EASY- Prog) controls the dimming on all the points (up to 3 independent programs: command 1, command 2, relay). It can control up to 2 lighting groups in dimming and 1 group in ON/OFF.

The system allows a **dimming management at defined hours** and also to create **2 different hourly programs in the week** (ex : week/week-end).

The system is secured by an email account as well as validation and PIN (user can change it) on the products.

The **robustness of the LonWorks PLC** allows to ensure the good transmission of the parameters thanks to the repetition function between the controlers..

Programming via smartphone in **Bluetooth brings agility and flexibility.**

Example of SL-EASY programming curve

FUNCTIONNALITIES

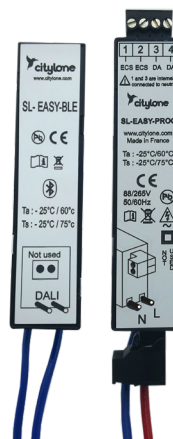| SL-EASY FUNCTIONNALITIES	
Programmation	By free Smartphone application Smartphone Available on iOs (from v10.0) and Android (from v 5.0) Program consultancy Programming from 1 to 3 groups (depending on controlers
Hourly operation	Integrated time management Fixed scheduled programming 2 types of schedule programs possible (ex: week/week-end) Automatic synchronization of date and time (resistant to power outages)
Levels / Slopes	Management of 2 levels (nominal/economic) + 1 detection level + 24/24 Power supply management with extinction of lighting points during the day Ignition/Extinction slopes (same in dimming and detection)
Type of ballasts	DALI - 1/10V in dimming Magnetics in ON/OFF*
Detection	Citylone Sensor (powered by DALI) or sensor of the market (by Dry Contact Input)

Magnetic ballasts : please consult us

SL-EASY CHARACTERISTICS

SL-EASY = SL-EASY-BLE + SL-EASY-PROG (2 modules)

Material	PC V0
Dimensions	L 84.1 x w 20.1 x h 36.6 mm (excl. connectors) x 2
Mechanical protection	IP2X
Powering	88 à 265 VAC / 50 à 60Hz
Installation	On DIN rail in Class II junction box

Outdoor Lighting controlers : refer to the specific documentation SL11/SL21/SL31.

Other modules (sensors...) : Please consult us

ENVIRONMENT

Storage temperature...................-25°C to +75°C
Use temperature........................-25°C to +60°C
Humidity .... 95 %

NORMS / WARRANTY

DIRECTIVE 2014/35/UE «LOW TENSION»
DIRECTIVE 2011/65/UE «ROHS DIRECTIVE»
DIRECTIVE 2014/30/UE «ELECTROMAGNETIC COMPATIBILITY »

All or products have a 5 year warranty by standard exchange (see our General Terms of Sales).

The products of this range are manufactured exclusively with > 100 000h MTBF components.

REFERENCES

	SL-EASY-BLE + SL-EASY-PROG + Smartphone application
CENTRALIZED MANAGEMENT : SL-EASY	
	• Programming by Smartphone • 2 levels of dimming for each group • 24/24 Power supply management with extinction of lighting points during the day • Detection management

Download for free
my Citylone

Play store
Android V5.0 or above

App store
iOS 12 or above

NEW

	SL11 (DALI)	**SL21**	**SL31**
INSIDE THE POLE (controllers)			
Dimming (0 to 100%)	🐦	🐦	🐦
Groups operating	1	1	up to 3
Integrated measure		🐦	🐦
Detection	1 lighting point or all lighting points	1 lighting point or all lighting points	1 lighting point or all lighting points
Can evolve to connected solution	Cabinet management	Lighting point management	Lighting point management

	SL-DP001-EDA	**SL-DP002-EDA**	**Market sensor**
ON THE POLE (sensors)			
Detection	Fixed sensor Powered by controller	Rotating sensor Powered by controller	With Dry output contac Please consult us

For more information regarding controllers and sensors, please refer to specific documentation of the products.

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