citylone
Smart city & smart lighting

SL32-LR
Connected lighting controller
Pole installation
LoRaWAN radio protocol

SL-Connect antenna   Controller

Key strengths

- 1 single equipment for 4 DALI luminaires
- Management of one ON/OFF equipment
- Simplified maintenance at the pole
- Easy configuration by smartphone
- Protection against 400V over-voltage

FRENCH DESIGN
FRENCH MANUFACTURING

WHAT ?

Management of 4 DALI drivers or one 1/10V driver.

Fixed time management thanks to LoRaWAN network; integrated astronomical clock; time programs management: week/week-end, seasonal programs, exceptions.

Lighting point detection management (DALI or dry entry contact)

ON/OFF management (dry output contact)

Electrical measures, functioning times, lamp status feedback, failure feedback, number of detections.

Local configuration through free application under Android and iOs

Remote configuration through supervision.

WHEN ?

Simple to quadruple pole

Adapted to **multiple pole** (till 4 luminaires)

Integration adapted to **6 meters minimum pole**

Adapted to **renovated installations**

Management of **additionnal ON/OFF equipment** (ex: festive)

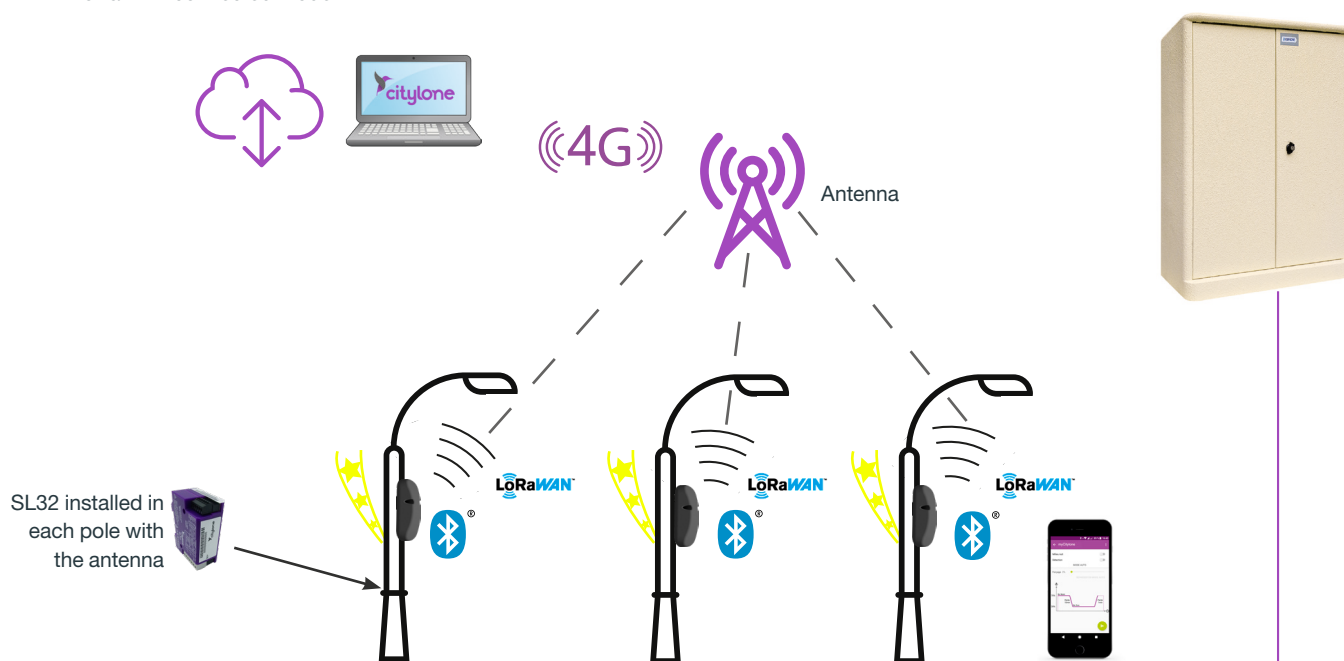Security by **400V protection**

Powering till 600W maximum

PRE-REQUISITES

Permanent network 24/24

LoRaWAN Architecture with **V1.03 minimum network core**

HOW ?

LoRaWAN connected mode

((4G))

Antenna

SL32 installed in each pole with the antenna

LoRaWAN · LoRaWAN · LoRaWAN

MECHANICAL SPECIFICATIONS

ANTENNA

Material. . . . . V0 Polycarbonate

Dimensions . . . . H. 124 x l. 58 x D. 72.7 mm

Dimensions visible part . . H. 124 x l. 58 x D. 33 mm

Weight. 280gr with cable (6m)

Mechanical protection . . . IP44

CONTROLLER

Material. . . . . V0 Polycarbonate

Dimensions . . . . H.91.6 x l. 36 x D. 65 mm

Weight. 190gr

Mechanical protection . . . IP2X

RADIO

LoRaWAN

Range . . . . 15km free field / 2km urban

Security . . . . AES128 double encryption

Network . . . . private/operated

Communication . . . . . . two-way

Bluetooth

Range 10m

Bluetooth Low Energy V4.2

Smartphone connectivity: Android : version 5 minimum

iOs : version 10 minimum

Citylone disclaims responsability in case of incompatible smartphone

ENVIRONMENT

Storage temperature . . . . . -25°C to +75°C

Operating temperature . . . -25°C to +60°C

Humidity . . . . 95 %

ELECTRICAL CHARACTERISTICS

Power supply . . . . 88 to 265 VAC / 50 Hz

Power output . . . . 3A Max

Relay 3A

Information. . . . . Lamp + driver status (on/off, dimming, faulty), lighting hours, number of detections

Measurements. . . . . Current, Voltage, Power, Power factor, Temperature, Instantaneous and cumulative consumption (energy consumed)

CONNECTORS - INSTALLATION

ANTENNA

Installation . . . . by drilling on the pole - 26mm hole

Cable (powering) 6m

CONTROLLER

Connectors. . . . . 7 pts pluggable (5.08mm max)

Cables section 0.2 to 3 mm² max single wire, 2.5 mm² max multi wire

6 pts pluggable (3.5 mm max)

Cables section 1.5mm² max single wire, 2.5 mm² max multi wire

Installation on DIN rail in the Class II connection box

NORMES / GARANTIES

2014/35/EU "LOW VOLTAGE" DIRECTIVE

2011/65/EU "ROHS DIRECTIVE"

2014/30/EU "ELECTROMAGNETIC COMPATIBILITY" DIRECTIVE

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

REFERENCE

REFERENCES	DESCRIPTION
SL32-LR SL32 controller + SL-Connect antenna Connected mode	**Lighting controller for DALI or 1/10V drivers - LoRaWAN communication** Either 1 DALI output for up to 4 DALI drivers Or 1 1/10V OUTPUT 1 relaY (festive lighting, external power supply...) Measure Current, Voltage, Power,Power factor, Temperature, Energy Compatible with Citylone sensor - wiring in DALI or any sensor of the market (dry entry contact) 600W - 3A

SL32-LR must imperatively be integrated in a LoRaWAN architecture with a core network version minimum 1.03 and a supervisor.

Please consult us for more information.

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