citylone
Smart city & smart lighting

SL32-WP
Lighting controller
Pole installation
Wirepas radio protocol

SL-Connect antenna   Controller

Key strengths

- 1 single equipment for up to 4 DALI luminaires
- Management of one ON/OFF equipment
- Easy configuration by smartphone
- Protection against 400V over-voltage
- Additional relay (festive lighting, external equipment powering...)

FRENCH DESIGN — FRENCH MANUFACTURING

WHAT?

Management up to 4 DALI luminaires or one 1/10V driver in local or connected mode

Detection management (DALI or dry entry contact) including dynamic detection

Time programs management (integrated astronomical clock), lamp management

Additional relay for festive lighting, external equipment powering...

In connected mode : electrical measures, functioning times, lamp status feedback, failure feedback, number of detections

Luminaire switch off during the day on a permanent network to avoid drivers consumptions

Local configuration in Bluetooth® through free application under Android and iOs

Remote configuration through CMS in connected mode

WHEN?

Simple to quadruple pole

Adapted to **multiple pole** (up to 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**

Power supply up to 600W

Local ou connnected mode

PRE-REQUISITES

In connected mode: Wirepas ecosystem with Wirepas gateway, router and server

HOW?

In connected mode

Lighting point remote control
Programming
Alarms
Data collect...

Optional
Can add
Counter management
Line supervision..

On field

Wirepas centralized gateway

Wirepas centralized gateway

SL32 installed in each pole with the antenna

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

Wirepas (Mesh network)

Range . . . . free field: 300m

optimum spacing: 40m

Security . . . . AES128 encryption

Network . . . . private

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,

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

NORMS / WARRANTIES

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).

RANGE

REFERENCES	DESCRIPTION
SL32-WP SL32 controller + SL-Connect antenna Connected mode	**Lighting controller for DALI or 1/10V drivers - Wirepas communication** Either 1 DALI output for up to 4 DALI drivers Or 1 1/10V output 1 relay (festive lighting, external power supply...) Protection against 400V over-voltage 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

In connected mode, SL32-WP must imperatively be integrated in a Wirepas ecosystem with a Wirepas gateway (ref TL-WP, please refer to technical documentation for more details), a router and supervision.

Please consult us for more information

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