

LoRaWAN® LUMINAIRE CONTROLLER IP68 UL2014



LoRaWAN® Luminaire Controller is a remote controlling device for LED and HID luminaires using 0...10V analog or DALI control signal.

Control commands from/to dedicated application are to be sent/received using LoRaWAN® network.



OVERVIEW

Universal

Supports LED and HID luminaires.

APPLICATIONS

Luminaires control

Supports customisable dimming profiles together with various configurable inputs (light intensity, movement etc.).

Array control

Allows to control an array of 32 luminaires over the DALI interface

Auxiliary light control (optional)

Relay for auxiliary light control (decorative lighting etc.).

Power monitoring

Monitor used power and luminaire burn time

FEATURES

- DALI interface
- Relay control
- Luminaire intensity control
- Thermistor input
- Digital input (e.g. movement sensor)
- Analog input (e.g. reflected light level)
- Sensor power supply
- IP68
- Surge protection
- Power metering

SPECIFICATIONS

Length:	134.0 mm
Width:	54.0 mm
Depth:	33.0 mm
Weight:	ca 260 g
Operating temperature:	-30°C ... +60°C
Power consumption:	230V -15% .. +10% <1V A
Communication range:	up to 15 km* LoRaWAN®
Tx power:	up to +20 dBm
Rx Sensitivity:	-140 dBm
MAC Layer:	LoRaWAN®
Physical Layer:	LoRa®
Body material:	ABS
IP Rating:	IP68
Communication:	LoRaWAN®, Bluetooth LE (for configuration)

* Communication range is dependent on the location of the sensor and nearest base station.

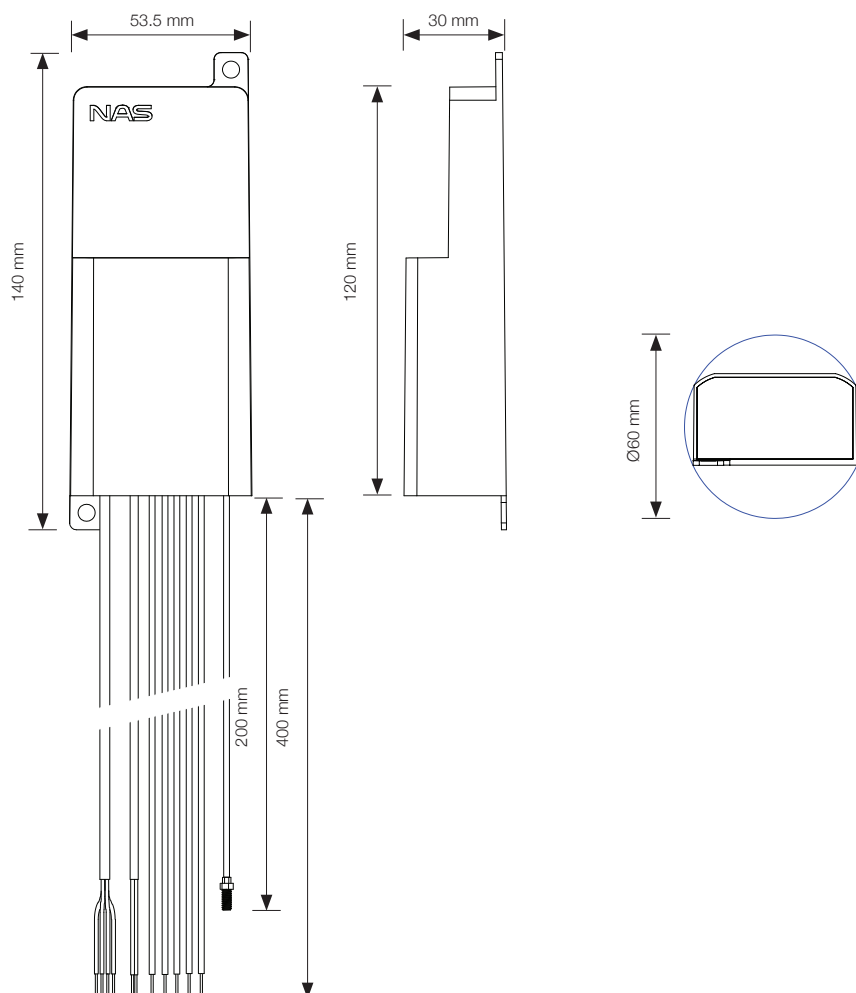
INTERFACE SPECIFICATIONS

Relay max current:	6A
Surge protection:	IEC 61000-4-5 Class 4 (4kV)
Intensity control output voltage:	0V .. 10V
DALI Interface max number of slaves on (int. power supply):	32
Thermistor input:	12V tolerant
Digital input:	12V tolerant
Analog input:	12V tolerant*
AUX relay max current:	2A (optional)
External Sensor Power supply:	Output voltage: 12V Max output current: 50mA

* Not used together with optional AUX relay.

DIMENSIONS / PACKAGING

Dimensions

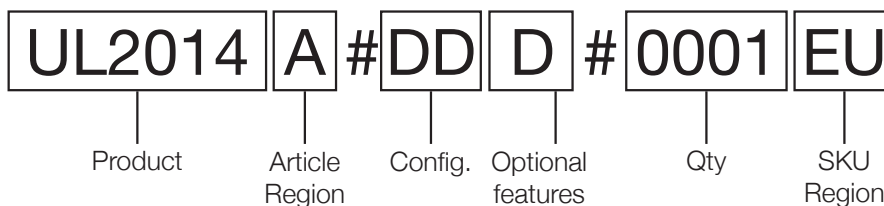


ACCESSORIES

Description	
W1 - Wire 1:	
Brown	Normally closed or open AC 230V relay output to driver
Blue	230V AC neutral output to driver
Grey	DALI- control signal to driver
Black	DALI+ control signal to driver
W2 - Wire 3:	
Brown	AC 230V input
Blue	230V AC neutral input
G3 - Group 3	
Purple	0..10V+ control signal to driver*
White	0..10V- control signal to driver*
Red	+12V output for sensor powering
Pink	THR in
Yellow	LDR in
Green	DIG in
Red/Grey	Ground for DIG sensor

* Manufactured after 05.04.2019

ORDERING INFORMATION



Product/SKU	Package qty	IP Rating
UL2014x#xx#0001xx	1	IP68

Article region	SKU region	Frequency
A	EU	868 MHz
B	AU	922 MHz
C	US	915 MHz
D	AS	923 MHz
F	KR	922 MHz
I	IN	866 MHz

Model	Description	Optional features (Choose only 1 from each column)			
		UL2014	DD - DALI only DC - DALI & NC relay AC - 0..10V & NC relay UC - DALI & 0..10V & NC relay	T - THR	D - DIG

* Custom request must be verified with sales before ordering. On order X must be accompanied with the description of agreed functionality.

CONTACT INFORMATION

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