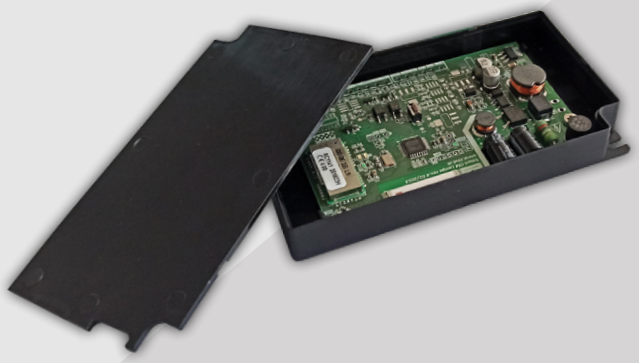
SOL end-point lamp unit v. 4.0

DESCRIPTION

A slave SOL unit provides a lighting control via standards such as voltage control 0 – 10VDC, DALI or control using PWM input.

In addition, the unit further monitors the temperature of a lamp ballast. This information is very important for modern LED lamps. The unit also monitors the light intensity of the lamp using an external light sentsor. The unit is independent from an external power source, it is equipped with own batteries.



SPECIFICATION - SIMPLE VERSION (0-10V/PWM)

Power supply	240 VAC
Consumption	<0,5 W
Frequency of RF communication	868 MHz (or 434MHz)
Max. RF communication performance	9 dBm
Line-of-sight distance	50 m (internal antenna) 300 m (external antenna)
Coverage	IP 30 IP68 (encapsulated box)
Dimensions	123.5x70x17 mm
PWM Output (PWM version)	1 x (option 2x)
Type	open-drain
Max. voltage	70 VDC
Nominal frequency	1 kHz
0-10V Output (0-10V version)	1 x (option 2x)
Max. output current	5 mA
Min. output voltage	0,02 VDC

SPECIFICATION - DALI VERSION

Power supply	240 VAC
Consumption	<0,5 W
Frequency of RF communication	868 MHz (or 434MHz)
Max. RF communication performance	9 dBm
Line-of-sight distance	50 m (internal antenna) 300 m (external antenna)
DALI powered output	1
Coverage	IP 30 IP68 (encapsulated box)
Dimensions	123.5x70x17 mm

SPECIFICATION - ADVANCED VERSION (0-10V/PWM)

Power supply	240 VAC
Consumption	<0,5 W
Frequency of RF communication	868 MHz (or 434MHz)
Max. RF communication performance	9 dBm
Line-of-sight distance	50 m (internal antenna) 300 m (external antenna)
Temperature sensor (recommended)	LMT84
Temperature / voltage ratio	-5.5 xT +1035 mV/°C
Light intensity sensor (recommended)	BPW21R
Conversion ratio	9 nA/lux
Coverage	IP 30 IP68 (encapsulated box)
Dimensions	123.5x70x17 mm
PWM Output (PWM version)	1 x (option 2x)
Type	open-drain
Max. voltage	70 VDC
Output	2x Open collector (option) max 70VDC
Communication	1x RS232 or RS485 (option)
Nominal frequency	1 kHz
0-10V Output (0-10V version)	1 x (option 2x)
Max. output current	5 mA
Min. output voltage	0,02 VDC
Output	2x Open collector (option) max 70VDC
Communication	1x RS232 or RS485 (option)