

## SOL end-point lamp unit - installation versions



SOL end-points differ from each other in design, way of installation, supply voltage or features. Variants are designed to take into account different customer requirements and optional functions.

In the offer are:

- II. SOL modules in a retrofit version that is mounted directly on the pole
- II. NEMA socket version
- III. OEM version for installation directly in to the lamp

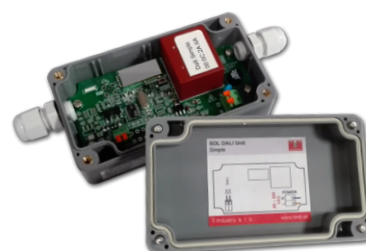
On request, it is possible to deliver a version directly for specific requirements. All of SOL end point versions offer various extensions and options such as the possibility of switching an external load, Christmas lights, siren, etc.

An overview of the individual versions (their parameters) is presented in the overview table.

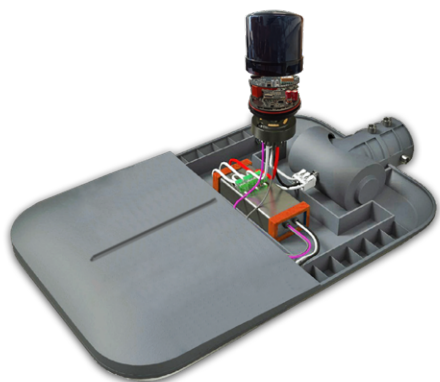
### I. Retrofit module



The retrofit module is designed for external mounting on a pole or on the lamp body. Assembly accessories are not part of the SOL module.



### II. Plug-in NEMA socket



SOL in the NEMA version is equipped with a special connector, enabling its easy installation on a lamp fitted with a NEMA socket without the use of any tools. With this solution, there is no need for a special external holder as with the retrofit version.





### III. OEM (built-in) - Embedded



Possibility to integrate the SOL OEM module directly into the lamp body. Suitable for projects with a large number of identical lamps.



	SOL end-point lamp unit v. 3.0	SOL end-point lamp unit v. 4.0	SOL end-point lamp unit v. 5.0	SOL end- point lamp unit v. NEMA	Industrial light controller v.1.0
					
Power supply	240 VAC	240 VAC	12 - 24 VDC	240 VAC	12-24 VDC
Consumption	<0,8 W	<0,8 W	<0,8 W	<0,8 W	<2 W
Frequency of RF communication	868 MHz (or 434MHz)	868 MHz (or 434MHz)	868 MHz (or 434MHz)	868 MHz (or 434MHz)	868 MHz (or 434MHz)
Line-of-sight distance	50 m (internal antenna) 300 m (external antenna)	50 m (internal antenna) 300 m (external antenna)	50 m (internal antenna) 300 m (external antenna)	300 m	500 m (internal antenna) 2000 m (external antenna)
Coverage	IP 67	IP 30 (IP68* encapsulated box)	IP 30 (IP67-PG9 cable glands* )	IP 67	IP 67
Max Ballast / Light	1 x DALI (broadcast) or PWM or 1-10V	2 x DALI (broadcast) or PWM or 1-10V	1 x DALI (adr. 1 - white light, adr. 2 - RGB light)	1 x DALI (broadcast) or PWM or 1-10V	2 x ON/OFF or 2x PWM
PWM Output (PWM version)	1 x (option 2 x)	1 x (option 2 x)	✗	1 x	2 x
Type	Open-drain	Open-drain	✗	Open-drain	High side switch, Ground common with power input
Max. voltage	70 VDC	70 VDC	✗	70 VDC	12/24 VDC
Nominal frequency	1 kHz	1 kHz	✗	1 kHz	1 kHz
0-10V Output (0-10V version)	1 x (option 2 x)	1 x (option 2 x)	✗	1 x	✗
Max. output current	5 mA	5 mA	✗	5 mA	✗
Min. output voltage	20 mV DC	20 mV DC	✗	20 mV DC	✗
DALI	According to DALI standard	According to DALI standard	According to DALI standard	According to DALI standard	✗
Relay output	✗	✗	1 x relé max 230 VAC/ 5 A	✗	✗
Digital input	✗	✗	1 x AC (240 VAC)	✗	✗
Temperature sensor Recommended	1 x external * LMT84	1 x external* LMT84	✗	1 x internal	1 x internal*
Light intensity sensor recommended	1 x external* BPW21R	1 x external* BPW21R	✗	1 x internal	✗
Other functions*	✗	1x RS482/RS232	✗	1x internal power meter for lamp 1x GPS receiver for positioning 1x Bi-stable relay for disconnecting DALI ballast	Voltage and current monitoring of each output and power input (for remote battery operation)
Dimensions	115 x 65 x 40 mm	123.5 x 70 x 17 mm	115 x 65 x 40 mm	84 x 84 x 80 mm (NEMA/ANSI base)	115 x 65 x 55 mm

\*optional accessories