



*Electronics for Mobile & Marine*

## LED-PIR

Bevægelsesføler



English manual  
for  
LED-PIR, bevægelsesføler

BEMÆRK: Gennemlæs betjeningsvejledningen og dens sikkerheds information grundigt, inden installation og brug af afspilleren.

## PIR DC-SWITCH (LED-PIR)

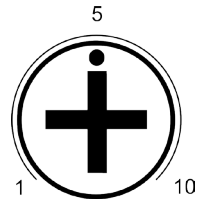
The LED-PIR is a motion activated switch for 12 and 24 Volt systems for which a Passive Infra-red Detector is used. On the LOAD output of the LED-PIR a light bulb, or other load, of 12 or 24 Volt can be connected. The maximum load is 10 Amps continues.

The LED-PIR is designed for indoor use only. This could be for example cargo space of a truck, a bus or inside a ship. To prevent over-voltage, under-voltage and overload the LED-PIR possesses, besides the basic functionality, also some protection functions.

### OPERATION

The LED-PIR switches the load as soon as motion is detected. If no motion is detected any more the LED-PIR switches off with a delay. The delay time can be set by way of an internal potentiometer. This is done in steps of one minute. The minimum delay time is one minute and the maximum delay time is ten minutes.

Default is a delay time of about five minutes. The load will be disconnected five minutes after the last motion is detected.



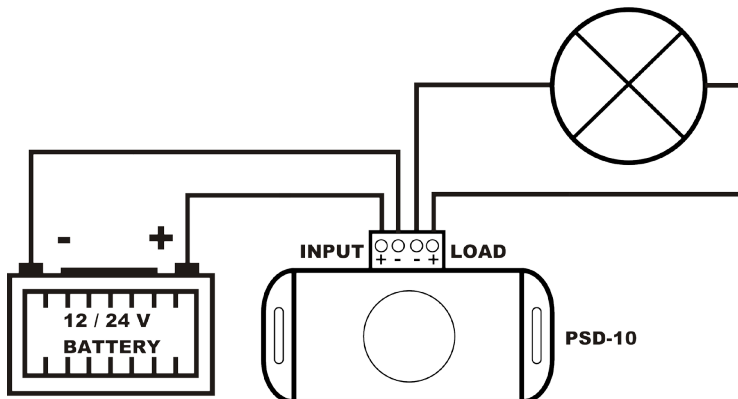
1: potentiometer.

### CONNECTING

1. Connect the minus (-) of the load to the (-) LOAD output 1: potentiometer.
2. Connect the plus (+) of the load to the (+) LOAD output
3. Connect the minus (-) of the battery to the (-) INPUT
4. Connect the plus (+) of the battery to the (+) INPUT

Should the lamp switch on after finishing the connection then probably the INPUT and LOAD are interchanged or the plus and minus connection of the INPUT are interchanged.

**ATTENTION!** Do not open the LED-PIR when the input voltage is connected.



2: Connection schematic.

## SPECIFICATIONS

Autodetect	12VDC / 24VDC
Switch time adjustable	Between 1 Min. and 10 Min.
Power up delay	+/- 30 sec.
Detection angle	60° H – 60° V
Detection range	5 meter
Connector type	Screw
Dimensions	L 76.5 * W 48.5 * H 30.0 (mm)
Weight	30 g

<b>Description</b>	<b>12V</b>	<b>24V</b>
Output current (continues)		10A
Output current (peak)	± 70A (max 170 µs) @ 12V	
Over current shut down	± 14A (after 5 sec.)	
Turn on time, after over current	30 sec	
Low Voltage disconnect	10.5 V	21 V
Low Voltage disconnect delay	5 sec	
Turn on Voltage, after low Voltage disconnect	12.6 V	25.2 V
Current consumption (idle state)	2mA	
Over Voltage turn off	16.0 V	32.0 V

