

MOTION ACTIVATED SWITCH INSTALLATION GUIDE - EN-DCMOTION

Read the owners manual carefully before installing the EN-DCMOTION.

Description

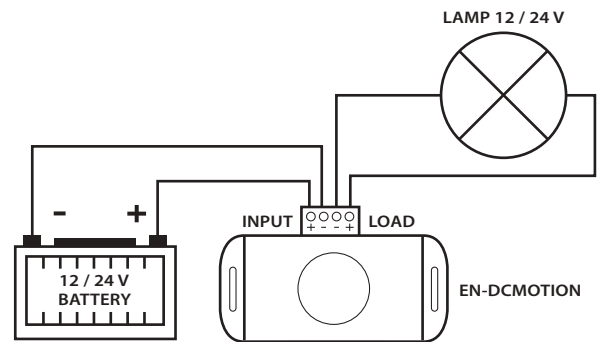
The EN-DCMOTION is a motion activated switch for 12 and 24 Volt systems for which a Passive Infra-red Detector is used. On the LOAD output of the EN-DCMOTION a light bulb, or other load, of 12 or 24 Volt can be connected. The maximum load is 10 Amps continues.

The EN-DCMOTION 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 EN-DCMOTION possesses some protection functions.

Installation

1. Connect the minus (-) of the load to the (-) LOAD output.
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 the probability is the INPUT and LOAD are interchanged or the plus and minus connection of the INPUT are interchanged.

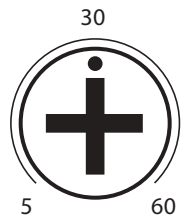


Warnings:

- The product should only be connected by skilled fitters / mechanics, which are aware of the regulations for working with high battery voltages.
- Use of bad material and / or too thin wires can damage the EN-DCMOTION.
- Live parts must not come into contact with the housing of the EN-DCMOTION.
- Do not open the EN-DCMOTION when the input voltage is connected.
- Always use fuses (of the correct value).

Operation

The EN-DCMOTION switches the load as soon as motion is detected. If no motion is detected any more the EN-DCMOTION switches off with a delay. The delay time can be set by way of an internal potentiometer. This is done in steps of 5 seconds. The minimum delay time is 5 seconds and the maximum delay time is 60 seconds. Default is a delay time of about 30 seconds. The load will be disconnected 30 seconds after the last motion is detected.



Electrical Data

Description	12 V	24V
Output current (continuously)	10A	
Output current (peak)	± 70 A (max. 170 μs) @ 12 V	
Over current (shut down)	± 14 A (after 5 seconds)	
Low Voltage threshold	10.5 V	21 V
Boot Voltage after low Voltage	12.6 V	25.2 V
Current consumption (idle stage)	2 mA	
Over Voltage dimming state threshold	16.0 V	32.0 V

Other technical details

Description	Value
Auto 12 V / 24 V detection	
Adjustable switch time	5 seconds to 60 seconds
Boot time, after overload	30 sec
Low Voltage delay	5 sec
Boot 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 grams