

DC-PASSIVE INFRA-RED DETECTOR

The PDS-10 is a motion activated switch for 12 and 24 Volt DC systems for which a Passive Infra-red Detector is required.

On the LOAD output of the PDS-10 a light bulb, or other load, of 12 or 24 Volt can be connected.

The maximum load is 10 Amps.



The PDS-10 is designed for indoor use only. This could be for example cargo space of a truck, a bus or inside a welfare cabin.

The PDS-10 has added features to prevent over-voltage, under-voltage and overload.

The PDS-10 switches the load as soon as motion is detected. If no motion is detected any more the PDS-10 switches off with a delay.

The delay time can be set by way of an internal potentiometer. This is done in steps of seconds or minutes depending on the unit (PDS-10-S or PDS-10-M).

The minimum delay time is 5 seconds (PDS-10-S) or one minute (PDS-10-M)

The maximum delay time is 60 seconds or ten minutes.

Default setting is a delay time of about 30 seconds or five minutes. The load will be disconnected 30 seconds or 5 minutes after the last motion is detected.

Description	12 V	24 V
Output current (continuously)	10 A	
Output current (peak)	± 70 A (max. 170 μ s) @ 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	16.0V	32.0 V

Description PDS-10-S	Value
Auto 12 V / 24 V detection	
Adjustable switch time	5 seconds to 60 seconds
Boot time, after overload	30 sec
Low Voltage delay	60 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

Description PDS-10-M	Value
Auto 12 V / 24 V detection	
Adjustable switch time	1 min t/m 10 min
Boot time, after overload	30 sec
Low Voltage delay	60 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