

Microwave radar motion sensor TLD-2022WB (5-24 V DC)

Product codes:

Reference: AM3258

EAN13: -

UPC: 85365080

Product features:

Current: 5 A

Voltage: 5-24 V DC

Waterproof grade: IP20

Product attributes:

Product description:

The TDL-2022WB microwave radar sensor is a compact contactless switching module designed for 360° motion detection. Thanks to microwave technology, it offers stable and reliable operation even in environments where conventional PIR sensors fail (glass covers, plastic boxes, thin walls). The module is suitable for switching LED lighting, power circuits and other DC devices in a wide voltage range.

Technical specifications

- Sensor type: microwave radar motion switch
- Model: TDL-2022WB
- Operating voltage: 5-24 V DC
- Output current: 5 A
- Load: 25W (5V DC) / 60W (12V DC) / 80W (24V DC)
- Detection distance: 8-10 m
- Scanning angle: 360°
- Switching time: 30 s
- Light sensor: no
- Control element: MOSFET
- Case dimensions: 50 × 18 × 13 mm
- PCB dimensions: 47 × 15 × 7 mm



- Protection: IP20
- Weight: 12g

Functions and features

- Microwave motion detection with full 360° coverage
- Stable output current of 5 A while maintaining input voltage
- Ability to switch higher loads without a mechanical relay
- Compact dimensions suitable for concealed installation
- Reliable operation even when covered with plastic or thin non-metallic material

Ideal for

- Automatic switching of LED lighting
- Industrial and technical applications
- Concealed installation in plastic covers
- Control of power circuits in DC systems
- Corridors, warehouses, display cases and technical spaces

Package contents

- 1× microwave radar motion sensor TDL-2022WB

Why choose this product?

- Wide power supply range 5-24 V DC
- Higher reliability compared to PIR sensors
- 360° detection without blind spots
- High load capacity up to 80 W at 24 V DC
- Compact dimensions and easy installation

Product gallery:

