



Motion Sensor Switch Head, 5.8 GHz Radar, 5 VDC, 120-Degree Detection, 52 mm White

- 5.8 GHz radar module senses through wood, acrylic and plastic
- Detection distance 0.5 - 5 m across a 120-degree field
- Five light-off delay settings: 10, 30, 60, 180 and 300 seconds
- 5 VDC supply with high/low level output and 1 m lead
- Ultra-thin 52 × 7 mm white plastic body for adhesive mounting
- IP20 rated with CE and RoHS compliance

OVERVIEW

The E-W-SEN-SS-5V is a paste-anywhere human motion sensor switch head with a built-in 5.8 GHz radar module. The 52 × 7 mm plastic body mounts with 3M adhesive to non-metallic surfaces such as wood, plastic, glass or acrylic, allowing concealed placement behind cabinet panels, stair risers and closet trim without cutting an opening.

Operating on a 5 VDC supply, the head provides a high/low level output that turns connected lighting on when movement is detected and off after the selected delay. Detection covers 0.5 - 5 m across a 120-degree field. Five light-off delay steps (10 s, 30 s, 60 s, 180 s, 300 s) and four sensing distance steps (5 m, 3 m, 1.5 m, 0.5 m) are set with the pin-operated key, and settings are retained after a power interruption.

Rated IP20 for non-waterproof interior use. CE and RoHS. One-year warranty.

SPECIFICATIONS

OPTICAL

Beam Angle	120°
LED Lifetime	50,000 h

MECHANICAL

Product Dimensions	52×7 mm
Finish	White
Material	Plastic
Mounting	Wall/Pole Mount

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	24 V
Wire Length	39.4 in

ENVIRONMENTAL

IP Rating	IP20
Environmental Rating	Non-Waterproof

DIMENSIONS & DIAGRAMS

the corresponding number of times according to the current light off delay time setting value.

Set the sensor distance:
Long press the set key for 5-20s to set 4 levels of sensing distance in sequence:
Long press for 5s, set the sensor distance to 5m, the LED indicator blinks 1 time;
Long press for 10s, set the sensor distance to 3m, the LED indicator blinks 2 times;
Long press for 15s, set the sensor distance to 1m, the LED indicator blinks 3 times;
Long press for 20s, set the sensor distance to 0.5m, the LED indicator blinks 4 times;
Note: When long press, the LED indicator is off and will blink the corresponding number of times at 5s, 10s, 15s, and 20s moments.

Memory function:
After power failure and turn on again, the device automatically restores the setting parameters before power failure.

User Manual Ver 1.0.0



1. Please use 3M adhesive to install the sensor switch anywhere or on the back of non-metallic materials such as wood, plastic, glass, acrylic, etc.
2. The sensor switch is not affected by ambient temperature, humidity, light, etc., and has strong anti-interference capability.
3. The sensor head should be installed in the correct direction and angle.
When installing on the wall, it is recommended to install horizontally with a height of about 1.2-1.8m;
When installing on the ceiling, it is recommended to install vertically with a height of about 3m.
4. When installing multiple sensor switches, try to keep each sensor switch placed parallel to each other.
5. When installing, try to avoid facing large metal equipment or pipes to avoid signal interference.
6. Ensure that the sensor switch is not near or obstructed by high density materials (e.g., metal, concrete walls, etc.).
These materials can degrade or block the microwave signal and cause false triggering.

INSTALLATION

CERTIFICATIONS & COMPLIANCE

CE

CE

RoHS

RoHS Compliant

APPLICATIONS

Under-cabinet and closet lighting

Staircase and stair-riser lighting

Corridor and hallway fixtures

Bedroom and wardrobe accent lighting

Display case and millwork lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
beam_angle_deg	120°	both	high
led_lifetime_h	50,000 h	db	high
operating_voltage	24 V	pdf	high
wire_length	39.4 in	pdf	medium
product_dimensions	52×7 mm	db	high
finish	White	db	high
material	Plastic	db	high
mount_type	Wall/Pole Mount	db	high
ip_rating	IP20	db	high
environmental_rating	Non-Waterproof	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.