

# SLIM-S-DUAL-AC

**SLIM-S-DUAL-AC** is a standalone indoor ceiling-mounted motion detector designed to control 230 V AC lighting.

This device detects movement within the protected area and activates the connected lighting, fully automating its operation. The detector is powered directly by 230 V AC, eliminating the need for additional power supplies, and simplifying installation. Thanks to the built-in dusk sensor, the light is switched on only when the ambient light level is low.

SLIM-S-DUAL-AC uses dual detection technology – passive infrared (PIR) and microwave (MW) – providing increased immunity to interference caused by challenging environmental conditions such as drafts, airflows, or sudden temperature changes.

The device is also available in versions with a **single detection path (SLIM-S-PIR-AC)** as well as in variants designed for **recessed installation (SLIM-R-PIR-AC and SLIM-R-DUAL-AC)**.

*Note: SLIM-S-DUAL-AC is intended for home automation and should not be used as a motion detector in an intruder alarm system.*

- activates connected lighting upon motion detection
- two detection paths: PIR and MW
- standalone device
- NO control output
- digital motion detection algorithm for both sensors
- digital temperature compensation
- built-in ambient dusk sensor
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- maximum detection area:
  - 12 m × 5 m (56 m<sup>2</sup>) – mounting height 2,4 m
  - 14 m × 6 m (80 m<sup>2</sup>) – mounting height 3 m
- built-in potentiometers for adjustment:
  - SENS – motion detection sensitivity
  - TIME – lighting activation time (2–180 s)
  - LUX – ambient light threshold (2–200 lx)
- 230 V AC power supply
- ceiling surface mounting



|                                            |                 |
|--------------------------------------------|-----------------|
| Detected target velocity                   | 0,3...3 m/s     |
| Operating temperature range                | -10°C...+55°C   |
| Recommended mounting height                | 2,4...3,5 m     |
| Weight                                     | 121 g           |
| Maximum humidity                           | 93±3%           |
| Dimensions                                 | ø 120 x 37 mm   |
| Environmental class according to EN50130-5 | II              |
| Microwave frequency                        | 24,125 GHz      |
| Maximum power consumption                  | 500 mW          |
| Contacts resistance                        | ≤ 100 mΩ        |
| Standby power consumption                  | 200 mW          |
| Supply voltage                             | 230 V AC, 50 Hz |