

SLIM-R-DUAL-AC

CEILING DUAL-TECH MOTION DETECTOR FOR LIGHTING CONTROL (RECESSED)

SLIM-R-DUAL-AC is a standalone indoor ceiling motion detector with a built-in relay output, designed for controlling lighting and other devices. It is an ideal solution for rooms where automatic light control is required without the need for an alarm or building automation system.

This device detects movement within the protected area and activates the connected lighting, fully automating its operation and helping to save energy. 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-R-DUAL-AC uses two detection paths – 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-R-PIR-AC)** as well as in variants designed for **surface-mounted installation (SLIM-S-PIR-AC and SLIM-S-DUAL-AC)**.

Note: SLIM-R-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
- maximum detection area:
 - 12 m × 5 m (56 m²) – mounting height 2.4 m
 - 14 m × 6 m (80 m²) – mounting height 4 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
- installation in suspended ceiling

TECHNICAL DATA

Detected target velocity	0,3...3 m/s
Operating temperature range	-10°C...+55°C
Recommended mounting height	2,4...3,5 m
Weight	141 g
Maximum humidity	93±3%
Dimensions	ø 130 x 42 mm
Environmental class according to EN50130-5	II
Microwave frequency	24,125 GHz
Maximum power consumption	0,5 W
Contacts resistance	≤ 100 mΩ
Standby power consumption	0,2 W
Supply voltage	230 V AC, 50 Hz