

# SLIM-R-DUAL

## DUAL-TECH CEILING MOTION DETECTOR (RECESSED)

**SLIM-R-DUAL** is an indoor motion detector from the SLIM LINE series, designed for recessed ceiling mounting. Is it an excellent solution for rooms with suspended ceilings. With its 360 ° detection coverage, it is well suited for monitoring shops, warehouses, and other spaces where a ceiling-mounted detector facing downward provides more effective area coverage than a wall-mounted detector.

This model is also available for surface mounting (**SLIM-S-DUAL**).

- compliant with the **EN 50131 Grade 2** requirements
- motion detection using two sensors: passive infrared (PIR) and microwave (MW)
- maximum detection area:
  - $\varnothing$  6 m / 28 m<sup>2</sup> – mounting height 2,4 m
  - $\varnothing$  10 m / 79 m<sup>2</sup> – mounting height 3,5 m
- detector operating parameter configuration: on-board buttons
- digital motion detection algorithm for both sensors
- digital temperature compensation
- adjustable detection sensitivity for both sensors
- separate sensor testing feature
- digital filtering of signals received by the microwave sensor, ensuring immunity to interference caused by the power grid and discharge lamps
- built-in EOL resistors: 1,1 k $\Omega$
- LED indicator:
  - selectable alarm indication color (7 colors available)
  - remote on/off control
- remote enable/disable of configuration mode
- supervision of the motion detection circuit
- 12 V DC power supply ( $\pm 15\%$ )
- power supply monitoring
- tamper protection against enclosure opening
- installation in suspended ceiling

## TECHNICAL DATA

|                                            |                                                  |
|--------------------------------------------|--------------------------------------------------|
| Supply voltage                             | 12 V DC                                          |
| Detected target velocity                   | 0,3...3 m/s                                      |
| Operating temperature range                | -10°C...+55°C                                    |
| Recommended mounting height                | 2,4...3,5 m                                      |
| Standby mode current consumption           | 12 mA                                            |
| Max. current consumption                   | 43 mA                                            |
| Weight                                     | 141 g                                            |
| Maximum humidity                           | 93 $\pm$ 3%                                      |
| Dimensions                                 | $\varnothing$ 130 x 42 mm                        |
| Environmental class according to EN50130-5 | II                                               |
| Alarm signaling time                       | 2 s                                              |
| Complied with standards                    | EN 50131-1, EN 50131-2-4, EN 50130-4, EN 50130-5 |
| Microwave frequency                        | 24,125 GHz                                       |
| Security grade according to EN50131-2-4    | Grade 2                                          |
| Warm-up period                             | 30 s                                             |
| Alarm outputs (NC relay, resistive load)   | 40 mA / 24 V DC                                  |
| Tamper outputs (NC)                        | 100 mA / 30 V DC                                 |
| Relay contact resistance (alarm output)    | 26 $\Omega$                                      |
| EOL resistors                              | 2 x 1,1 k $\Omega$                               |