

SLIM-R-DUAL-PRO

CEILING DUAL-TECH MOTION DETECTOR WITH IR ANTI-MASKING (RECESSED)

SLIM-R-DUAL-PRO 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-PRO**).

- compliant with the **EN 50131 Grade 3** requirements
- motion detection using two sensors: passive infrared (PIR) and microwave (MW)
- active IR anti-masking compliant with EN 50131-2-4 for Grade 3 (delay: 1 s / 60 s)
- maximum detection area:
 - $\varnothing$ 8 m / 50 m² – mounting height 2,4 m
 - $\varnothing$ 9.3 m / 79 m² – mounting height 3,5 m
- 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
- selectable operating modes: basic, advanced, PIR, or MW
- detector operating parameter configuration:
 - on-board buttons
 - **OPT-1** remote keyfob
- built-in EOL resistors: 1,1 k Ω , 4,7 k Ω , 5,6 k Ω
- LED indicator:
 - selectable colour
 - 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 and detector tilt (optional, when tilt detection is enabled)
- installation in suspended ceiling

TECHNICAL DATA

Supply voltage	12 V DC
Detected target velocity	0,2...3 m/s
Operating temperature range	-10°C...+55°C
Recommended mounting height	2,4...3,5 m
Standby mode current consumption	18 mA
Max. current consumption	50 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 3
Warm-up period	30 s
Alarm outputs (NC relay, resistive load)	40 mA / 24 V DC
Tamper outputs (NC relay, resistive load)	40 mA / 24 V DC
Anti-masking outputs (NC relay, resistive load)	40 mA / 24 V DC
Relay contact resistance (alarm output)	26 Ω
Relay contact resistance (tamper output)	26 Ω
Relay contact resistance (anti-masking output)	26 Ω
EOL resistors	2 x 1,1 / 2 x 4,7 / 2 x 5,6 k Ω