

# SLIM-DUAL-PRO

## DUAL-TECH PIR+MW MOTION DETECTOR WITH IR ANTI-MASKING FUNCTION

**SLIM-DUAL-PRO** detects motion in the protected area.

- certificate of compliance with the EN 50131 requirements for Grade 3
- motion detection using two sensors: a passive infrared (PIR) sensor and a microwave (MW) sensor
- adjustable detection sensitivity of both sensors
- option to test the sensors separately
- digital motion detection algorithm
- digital temperature compensation
- digital filter of signals received by the microwave sensor to ensure immunity to false alarms caused by the power network and discharge lamps
- operating mode selection: basic or advanced
- option to enable/disable the creep zone protection
- wide-angle lens, designed specifically for **SLIM LINE** detectors
- option to replace the wide-angle lens with a curtain (**CT-CL**) or long-range (**LR-CL**) one
- active IR anti-masking, compliant with EN 50131-2-4 for Grade 3
- ability to configure detector operating parameters using the **OPT-1** keyfob
- built-in end-of-line resistors (2EOL: 2 x 1,1 k $\Omega$  / 2 x 4,7 k $\Omega$  / 2 x 5,6 k $\Omega$ )
- LED indicator
- selectable color of LED indicator (7 colors available)
- LED indicator remote enable/disable
- configuration mode remote enable/disable
- supervision of motion detection and supply voltage circuit
- tamper protection against opening of enclosure and removal from mounting
- adjustable mounting holder (**BRACKET D**) included, provided with tamper switch



### 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 m
Max. current consumption	85 mA
Weight	144 g
Maximum humidity	93 $\pm$ 3%
Dimensions	62 x 137 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
EOL resistors	2 x 1,1 k $\Omega$ / 2 x 4,7 k $\Omega$ / 2 x 5,6 k $\Omega$
Warm-up period	30 s
Detection area	20 m x 24 m, 90°
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 $\Omega$
Permissible installation height	up to 4 m
Relay contact resistance (tamper output)	26 $\Omega$
Relay contact resistance (anti-masking output)	26 $\Omega$