

SLIM-R-DUAL-PRO BUS

BUS DUAL-TECHNOLOGY CEILING MOTION DETECTOR WITH ANTI-MASKING (RECESSED-MOUNTED)

SLIM-R-DUAL-PRO BUS is an indoor ceiling motion detector from the SLIM LINE series, designed for **recessed ceiling mounting**. The detector can be connected to the RS communication bus of a SATEL alarm control panel supporting bus-connected devices.

This model is also available for recessed-mounting (**SLIM-S-DUAL-PRO BUS**).

- compliant with the **EN 50131 Grade 3** requirements
- active IR anti-masking compliant with **EN 50131-2-4 for Grade 3**
- motion detection using a passive infrared (PIR) sensor and a microwave (MW) sensor
- maximum detection area:
 - $\varnothing 6\text{ m} / 28\text{ m}^2$ – mounting height 2,4 m
 - $\varnothing 10\text{ m} / 79\text{ m}^2$ – mounting height 3,5 m
- adjustable detection sensitivity for both sensors
- independent sensor testing capability
- digital motion detection algorithm for both sensors
- digital temperature compensation
- digital filtering of signals received by the microwave sensor for immunity to interference caused by the power grid and discharge lamps
- RS communication bus
- settings configuration via the RS bus
- firmware update via the RS bus
- built-in temperature sensor (measurement range: -10°C to $+55^{\circ}\text{C}$)
- lighting function implemented using LEDs
- remote lighting control
- LED indicator
- supervision of the motion detection circuit
- 12 V DC power supply ($\pm 15\%$)
- power supply monitoring
- tamper protection against enclosure opening and detector displacement
- installation in suspended ceilings

TECHNICAL DATA

Supply voltage	12 V DC
Detected target velocity	0,2...3 m/s
Operating temperature range	-10°C ... $+55^{\circ}\text{C}$
Recommended mounting height	2,4...3,5 m
Standby mode current consumption	16 mA
Max. current consumption	45 mA
Weight	146 g
Maximum humidity	93 $\pm$ 3%
Dimensions	$\varnothing 130 \times 42\text{ mm}$
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
Security grade according to EN50131-2-4	Grade 3
Warm-up period	30 s