

SLIM-DUAL-LUNA-PET BUS

BUS DUAL-TECHNOLOGY MOTION DETECTOR WITH LIGHTING FUNCTION AND PET IMMUNITY

The **SLIM-DUAL-LUNA-PET BUS** detector senses motion within the protected area using infrared and microwave technology. The device ignores the movement of animals weighing up to 20 kg moving on the floor. Additionally, the detector is equipped with a set of LEDs providing a lighting function. The detector can be connected to the RS communication bus of a SATEL alarm control panel supporting bus-connected devices.

Note: the detector is immune to pet movement up to a height of 1 meter above the floor.

- compliant with the EN 50131 Grade 2 requirements
- motion detection using a passive infrared (PIR) sensor and a microwave (MW) sensor
- maximum detection area: 12 m x 13 m, 90°
- adjustable detection sensitivity for both sensors
- independent sensor testing capability
- digital motion detection algorithm
- digital temperature compensation
- digital filtering of signals received by the microwave sensor for immunity to interference caused by the power grid and discharge lamps
- wide-angle lens specially designed for detectors from the SLIM LINE series
- 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°C)
- lighting function implemented using LEDs
- remote lighting control
- LED indicators
- supervision of the motion detection circuit
- 12 V DC power supply ($\pm 15\%$)
- power supply monitoring
- tamper protection against enclosure opening and removal from the mounting surface

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...2,4 m
Standby mode current consumption	11 mA
Max. current consumption	88 mA
Weight	143 g
Maximum humidity	93 $\pm$ 3%
Dimensions	62 x 137 x 42 mm
Environmental class according to EN50130-5	II
Alarm signalling 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
Maximum detection area	12 m x 13 m, 90°