

# SLIM-S-DUAL-LUNA BUS

## BUS DUAL-TECHNOLOGY CEILING MOTION DETECTOR WITH LIGHTING FUNCTION (SURFACE-MOUNTED)

**SLIM-S-DUAL-LUNA BUS** is an indoor ceiling motion detector from the SLIM LINE series, designed for **surface-mounted ceiling installation**. The detector can be connected to the RS communication bus of a SATEL alarm control panel supporting bus-connected devices.

The device is also available in a version designed for recessed ceiling mounting (**SLIM-R-DUAL-LUNA BUS**).

- compliant with the **EN 50131 Grade 2 requirements**
- 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
  - $10\text{ m} / 79\text{ m}^2$  – mounting height 3,5 m
- adjustable detection sensitivity for both sensors
- digital motion detection algorithm for both sensors
- digital temperature compensation
- RS communication bus
- settings configuration via the RS bus
- firmware update via the RS bus
- built-in temperature sensor (measurement range:  $-10^\circ\text{C}$  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 removal from the mounting surface
- surface-mounted ceiling installation

## TECHNICAL DATA

|                                            |                                                  |
|--------------------------------------------|--------------------------------------------------|
| Supply voltage                             | 12 V DC                                          |
| Detected target velocity                   | 0,3...3 m/s                                      |
| Operating temperature range                | $-10^\circ\text{C}$ ... $+55^\circ\text{C}$      |
| Recommended mounting height                | 2,4...3,5 m                                      |
| Standby mode current consumption           | 12 mA                                            |
| Max. current consumption                   | 65 mA                                            |
| Weight                                     | 116 g                                            |
| Maximum humidity                           | 93 $\pm$ 3%                                      |
| Dimensions                                 | $\varnothing 120 \times 37\text{ mm}$            |
| 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 |
| Microwave frequency                        | 24,125 GHz                                       |
| Security grade according to EN50131-2-4    | Grade 2                                          |
| Warm-up period                             | 30 s                                             |