

# Infrared/microwave motion detector comstar DUAL B10 BUS



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VdS-Class B (G 105517)

suitable for intruder alarm systems in accordance with DIN EN 50131-1

The comstar DUAL infrared microwave motion detector is used to monitor indoor areas with critical environmental conditions. It detects infrared heat rays such as those emitted by the human body via its optical mirrors. The additional built-in detector detects motion according to the Doppler principle. The microcontroller links both systems, which work according to completely different physical properties. The microprocessor controlled signal processing offers excellent protection against false alarms and outstanding detection properties. Alarm criteria can be distinguished very effectively from interference signals. At the same time, the energy consumption is reduced to a minimum. The lower housing is compatible with PIR motion detector family comstar B/C.

### Features

- Connection using BUS-1 technology
- Detection range 10 m
- Dual technology (PIR / Microwave)
- Microwave frequency (ETSI EN 300440) 2450 MHz
- Microwave power (E.I.R.P.) <0.5 mW
- Extreme low power consumption
- Sensitivity setting in 4 stages via DIP-switches
- alarm memory
- Two-coloured control LED
- self test
- Walk test function
- Assembly height 2.5 m
- Operating temperature -10 °C to +50 °C
- Environmental class compliant with VdS 2110 class II
- Protection type IP 30
- Dimensions (W x H x D) 66 x 140 x 55 mm

The comstar DUAL B10 BUS is designed for connection to detector BUS-1.

- Creep zone

- RAL 9016 traffic white
- Standby power consumption approx.  
2.9 mA
- Power consumption with LEDs lit  
approx. 5.9 mA
- Supply voltage 9 - 15 V DC



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