

DS 935 LSN Infrared Motion Detector



- ▶ **Wide-angle version (standard) up to 11 m**
- ▶ **Long-range version (optional) up to 21 m**
- ▶ **Remote-controlled alarm/walk test display**
- ▶ **Tamper contact**
- ▶ **Programming of the detector is carried out by configuration software in the corresponding LSN control panel.**
- ▶ **Alarm, tampering and faults are evaluated via the LSN bus**
- ▶ **2-wire connection to LSN**

The DS 935 LSN infrared motion detector is used to monitor rooms for unauthorized entry.

PIR detector 11 m wide-angle version. 21 m long-range version with long-range mirror (optional).

Functions

The detector uses the temperature of surrounding surfaces, such as floors and walls, as the standby value. High temperature fluctuations on the reference surfaces should be avoided.

Sensitivity is programmed using the LSN control panel.

Standard:

- Protection against false alarm
- Higher tolerance to environmental conditions
- Not suitable for the long-range version

High sensitivity:

- Protection against intruders
- With normal environmental conditions
- Higher response sensitivity

Note The detector is not equipped with an alarm log display. Due to the individual detector identification by the LSN control panel, this is no longer necessary.

Certifications and Approvals

Region	Certification
Germany	VdS G 101552, B DS 935 LSN (W) G 101553, B DS 935 LSN (V)
Europe	CE DS 935 LSN

Installation/Configuration Notes

DS 935 LSN detectors do not mutually influence each other.

The detection zones may overlap.

Fixed objects represent surfaces that reduce the detection zone.

Outside the monitoring area, ceilings and walls should be mechanically stable.

In order to ensure the intrusion security of ceilings that are not mechanically stable, detectors should monitor each other.

Moving objects within the detection zone are not permitted.

If placed above a heating radiator, a minimum distance of 1.5 m to the radiator is necessary.

Heat sources and cold air currents within the detection zone lead to faults.

Installation

Shielded installation cable must be used to connect the detector.

The detector reacts best to movement at right angles to the detection zones.

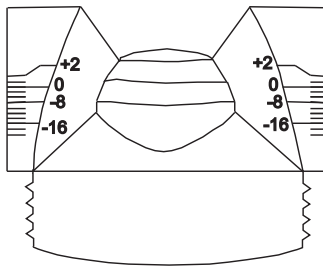
The installation bracket B338 (optional) can be used to swivel the detector around by +/-45° and to tilt it by +7°/-16°.

In interior areas, the detector can be installed 2 m to 2.6 m above floor-level on vertical, stable surfaces.

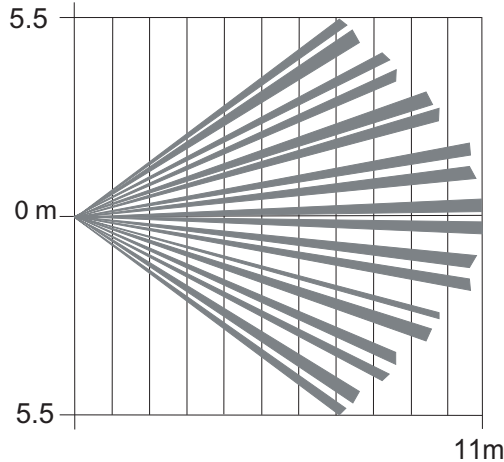
Wide-angle version

- Use of several detectors, also with overlapping detection zones
- Monitoring area 11 m x 11 m
- Vertical swivel range of the mirror: +2° to -16°

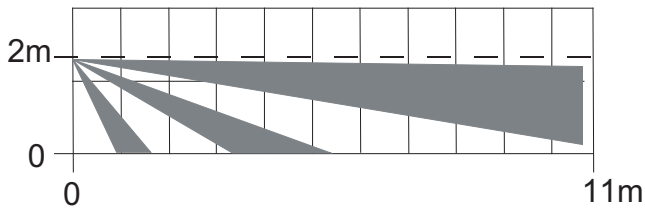
Swiveling mirror



Plan view



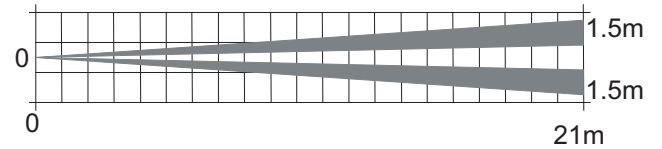
Side view



Long-range version

- Long-range version by changing the OMLR93-3 long-range mirror
- Monitoring area 3 m x 21 m
- Vertical swivel range of the mirror: +7° to -16°

Top view



Side view



Parts Included

Type	Qty.	Component
DS 935 LSN	1	Infrared motion detector

Technical Specifications

LSN operating voltage	Max. 33 V
LSN current consumption	0.8 mA
Monitoring area	
• Wide-angle mirror	11 m x 11 m
• Long-range mirror	21 m x 3 m
Installation height	2 m to 2.6 m
Rates of movement	
• Wide-angle mirror	0.2 to 3.0 m/s
• Long-range mirror	0.2 to 4.0 m/s
Sensitivity setting	Default or high sensitivity
Environmental conditions	
• Operating temperature	-20 °C to +55 °C
• Storage temperature	-20 °C to +60 °C
• Humidity (EN60721)	< 95% relative humidity, no dew point
• VdS environmental class	II
• Housing protection category (EN60529, EN50102)	IP41/IK02
Dimensions (H x W x D)	110 x 69 x 45 mm

Ordering Information**DS 935 LSN Infrared Motion Detector** **4998110393**

For monitoring rooms for unauthorized entry, 11 m wide-angle version, 21 m long-range version with long-range mirror (optional)

Accessories**OMLR93-3 long-range mirror** **OMLR93-3**

For converting to 21 m long-range version, VPE 3 units

B338 swivel ceiling mount bracket **B338**

For ceiling mounting, vertical swivel range +7° to -16°, horizontal swivel range +/-45°, using the swiveling ceiling mount bracket causes the detector to lose its VdS certification

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