

DS935 LSN Infrared Motion Detector

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Invented for life



- ▶ 11 m wide-angle version and 21 m curtain version with curtain mirror
- ▶ Remote-controlled alarm/walk test display
- ▶ Programming via the corresponding LSN control panel
- ▶ Alarm, tampering and faults are evaluated via the 2-wire connection to LSN
- ▶ Tamper contact

This detector is used for monitoring rooms for unauthorized entry.
11 m wide-angle version, 21 m curtain version with curtain 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 set using the LSN control panel.

Standard sensitivity (default)

- Protection against false alarms
- Tolerance to extreme environmental conditions
- Not recommended for curtain mirror version

High sensitivity

- Recommended setting for any location where an intruder is expected to cover only a small portion of the monitoring area or when quick catch performance is desired
- Tolerance to normal environmental conditions
- High response sensitivity



Notice

The detector is not equipped with an alarm log display. Due to the individual detector identification by the LSN control panel, this not necessary.

Certifications and approvals

Region	Certification	
Austria	VSOE	W 160215/64 E, VSOE Class GS-N
	VSOE	W 160215/65 E, VSOE Class GS-N
Germany	VdS	G 101552 DS 935 LSN wide-angle G 101552, B
	VdS	G 101553 DS 935 LSN long-range G 101553, B
	VdS	G 101545, B DS 935 VdS (V)
Europe	CE	EMC, LVD, RoHS DS 935 LSN

Installation/configuration notes

- Avoid the following inside the monitoring area:
 - direct hot or cold drafts and air conditioning outlets
 - heat sources (a minimum distance of 1.5 m to a radiator is necessary)

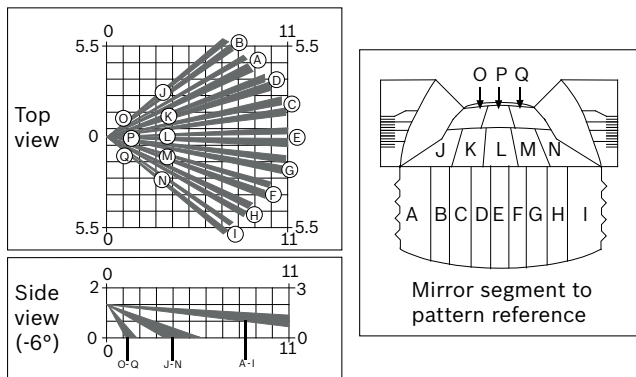
- windows
- small animals
- direct sunlight
- The detector cannot detect through glass.
- When using two or more detectors, the best coverage is achieved by overlapping the monitoring areas. The detectors do not affect each other.

Mounting

- The detector reacts best to movement at right angles to the monitoring areas.
- The installation bracket B338 (optional) can be used to swivel the detector around by +/-45° and to tilt it by +7°/-16°.
- Shielded installation cable must be used to connect the detector.

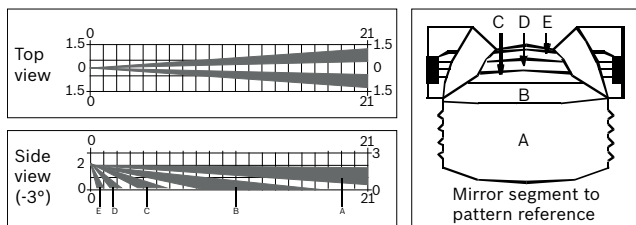
Wide-angle monitoring

- Use wide-angle monitoring to overlap monitoring areas when using more than one detector
- Vertical swivel range of the mirror: +2° to -16°



Curtain Monitoring

- Use curtain monitoring by installing the OMLR93-3 long-range mirror in the detector
- Vertical swivel range of the mirror: +7° to -16°



Parts included

Quantity	Component
1	DS 935 LSN Infrared motion detector
2	Hardware pack
1	Installation note

Technical specifications

Electrical

Maximum operating voltage in VDC	33
Maximum current consumption in mA	0.8

Mechanical

Dimension in cm (H x W x D)	11 x 6.9 x 4.5
Monitoring area in m	<ul style="list-style-type: none"> • Wide-angle mirror 11 x 11 • Curtain mirror 21 x 3
Minimum installation height in m	2
Maximum installation height in m	2.6
Rates of movement in m/s	<ul style="list-style-type: none"> • Wide-angle mirror 0.2 - 3.0 • Curtain mirror 0.2 - 4.0
Sensitivity setting	Standard or high sensitivity

Environmental

Minimum operating temperature in °C	-10
Maximum operating temperature in °C	55
Minimum storage temperature in °C	-20
Maximum storage temperature in °C	60
Maximum relative humidity in %	95; no dew point
Protection class	IP41 / IK02
Environmental class	II

Ordering information

DS935 LSN Infrared Motion Detector

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

Order number **DS935LSN@01**

Accessories

OMLR93-3 long-range mirror

For converting to 21 m long-range version, VPE 3 units
Order number **OMLR93-3**

B338 Universal Ceiling-mount Bracket

Swiveling universal bracket for ceiling mounting. The vertical swivel range is +7° to -16°, while the horizontal swivel range is ±45°.

Order number **B338**

Represented by:

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: + 31 40 2577 284
emea.securitysystems@bosch.com
emea.boschsecurity.com

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany
www.boschsecurity.com

North America:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
onlinehelp@us.bosch.com
www.boschsecurity.us

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia