



BOSCH
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KD 55/1 LSN 2 Zone Expander Modules



- ▶ 2 primary lines for connecting contact detectors, magnetic contacts or bolt contacts
- ▶ The analysis of a message can be programmed in the control panel
- ▶ Existing monitoring function of all LSN elements in the event of line interruption
- ▶ The circuit board is equipped with a tamper contact

The KD 55/1 LSN 2 zone expander module integrates manual conventional sensor technology (e.g. conventional magnet contacts) into the local security network (LSN).

Functions

The connection is 2-wire. The address assignment may be freely chosen. Tamper, hold-up, closure or intrusion messages and alarms are transmitted and analyzed. The power supply supplies the address unit via the two wires. A second wire pair can be looped through to provide a separate power supply for any subsequent address units. Should wire interruptions or short-circuits occur, all LSN elements continue to be monitored. In this case, the system automatically creates two stub lines that continue to monitor from both sides up to the location of the fault. The address unit has a tamper contact. If the tamper contact is triggered, it sends a signal that is transmitted and evaluated as a unique message.

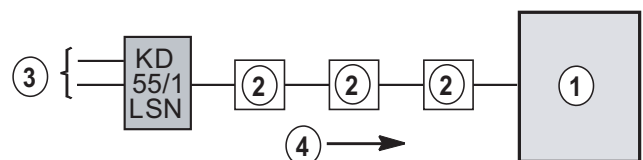
Certifications and Approvals

Region	Certification	
Germany	VdS	G 101038, C KD 55/1 LSN
Europe	CE	KD 55/1 LSN

Installation/Configuration Notes

Connecting conventional detectors

KD 55/1 LSN 2 zone expander module with 2 DC primary lines. Up to 20 conventional detectors can be connected per primary line. In this case, the reports are transmitted from the conventional detector to the LSN coupler in analog mode. This means existing equipment can be extended with ease.



- 1 Control panel
- 2 LSN element
- 3 1-2 DC primary line
- 4 Stub

Cable lengths

Cable length per primary line (PL)

- Maximum length unshielded cable - 10 m
- Maximum length shielded cable - 500 m

The primary lines, control lines, and contact lines for all expansion modules may not exceed 500 m per network processing implementer (NVU) in total. The total length of 500 m refers to the sum of shielded and unshielded cable.

The specified length relates to interference-free LSN data transmission. In practice, interference factors that can lead to alarm or tampering in the primary line need to be taken into account. Depending on the environmental influences, experience values must be applied when determining length.

Installation

The circuit board can be installed in a 55 flush-mounted junction box and 55 surface-mounted junction box (flush-mounted junction box in accordance with DIN 49073).

Parts Included

Type	Qty.	Component
KD 55/1 LSN surface-mounted	1	KD 55/1 LSN 2 zone expander module, surface-mounted, Housing for surface mounting incl. mount, circuit board and cover
KD 55/1 LSN flush-mounted	1	KD 55/1 LSN 2 zone expander module, flush-mounted, incl. mount, circuit board and cover

Technical Specifications

Operating voltage	+10 V to +33 V
Current consumption (line supplied)	Approx. 0.6 mA
Ambient temperature	0 °C to +50 °C
Housing	
• Material	ABS
• Color	RAL 9002
• Weight	60 g
• Dimensions, surface-mounting (Ø x D)	76 x 38 mm
• Dimensions, recessed mounting (Ø x D)	76 x 25 mm
Primary lines	2
Protection type	IP 40
Environmental class	II (VdS 2110)

Ordering Information

KD 55/1 LSN 2 Zone Expander Module, Surface-Mounted

4998117579

For monitored connection of conventional detectors (2 primary lines) on the local security network LSN, surface-mounted

KD 55/1 LSN 2 Zone Expander Module, Flush-Mounted

4998117576

For monitored connection of conventional detectors (2 primary lines) on the local security network LSN, flush-mounted

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