



Application

The reed contact and magnet are used to monitor locks on windows and doors.

Mode of operation

The reed contact is magnetically operated via a separate permanent magnet. The two units are mounted end to end at a maximum distance of 16 mm apart. If the distance between them is increased, the reed contact opens a detector zone or the door lock zone.

Design

The set consists of 1 magnet, 1 reed contact, 4.0 m connection cable LIYY 4 x 0.14 mm² and accessories. The reed contact is encased in a circular housing and is thus protected against dust and damp.

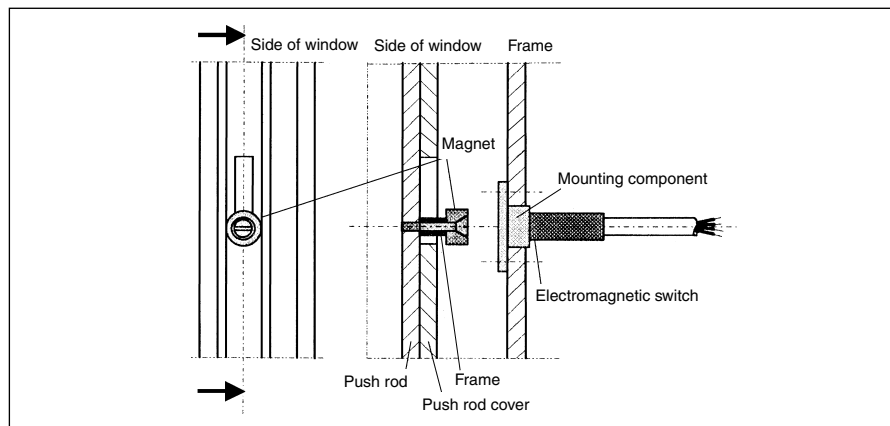
Installation

The installation must be carried out within the monitored area. The magnet is mounted on the push rod of the window sash while the reed contact is mounted in the frame. As the reed contact is encased in a thin section of glass tubing, force should not be applied during the installation.

Technical data

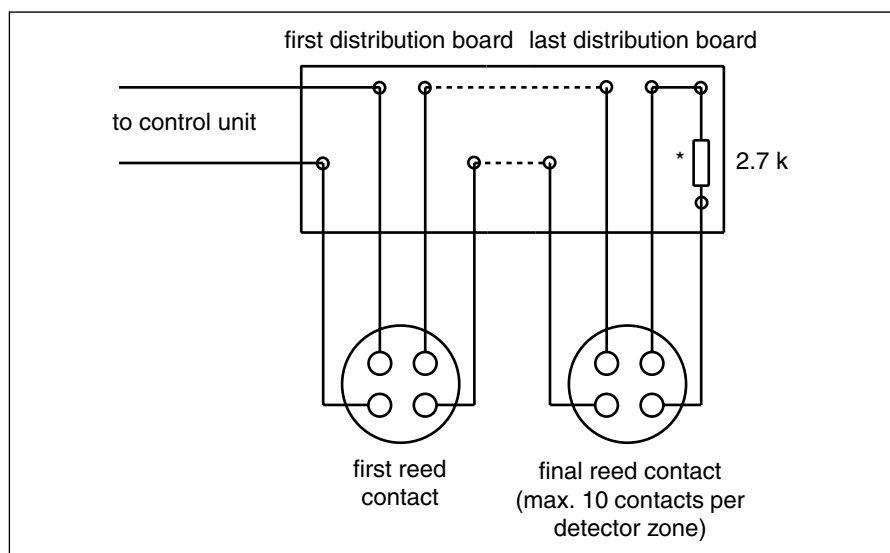
Reed contact:	
Connection cable	4.0 m, 4 x 0.14 mm²
Max. volume resistance	150 mΩ
Max. switching voltage	30 V AC
Max. switching current	0.3 A
Max. switching capacity	5 VA
Contact material	Rhodium
Number of ampere turns	10 ... 15 Aw
Temperature range	-20°C to +75°C
Effective distance	
sideways:	max. 24 mm
end to end:	max. 16 mm
Magnet:	
Material	DYM
Dimensions	10 x 5 mm Ø
Housing:	
Material	Polyamide
Resistant to temperature	up to 100°C
Colour	white RAL 9016

Montagebeispiel



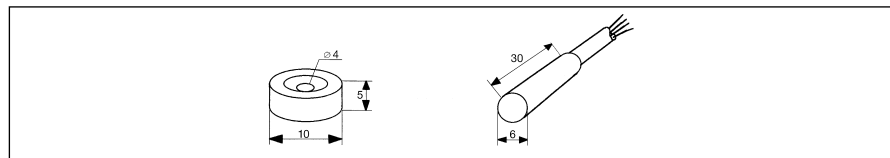
Wiring diagram

The configuration of the wires in the contact always guarantees that 2 adjacent wires can be connected to the control unit and the other two wires can be connected to the next detector or the EOL resistor. It is not necessary to measure the diameter of the cores.



* A terminal resistance must be used when connecting the contact to the aperture monitoring function on (sensor group for burglar detection systems) primary wires. When connecting the contact to the lock monitoring function, a bridge should be inserted instead of the resistance.

Dimensions (in mm)



VdS-No. G 19007 4 for lock monitoring class „C“.
VdS-No. G 19151 8 for lock monitoring class „B“.