



DasKlug

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DKSM01DCDCNN

Door Sensor

Data Sheet



Technical specification

General Specification

Characteristics	Details
Alarm Type	Wired signal
Feature	Sensor Switch
Detection Range	20-30mm
Sensor Type	reed switch
alarm sound	other
Size	19* 25 mm
Alarm output	Normally open or closed optional
Current/Voltage	0.5A/100V/10W
Network	wire
Color	White/brown/black
Sensing gap	20-40 mm
Material	ABS(anti-fire available)
App Support	no

Product information

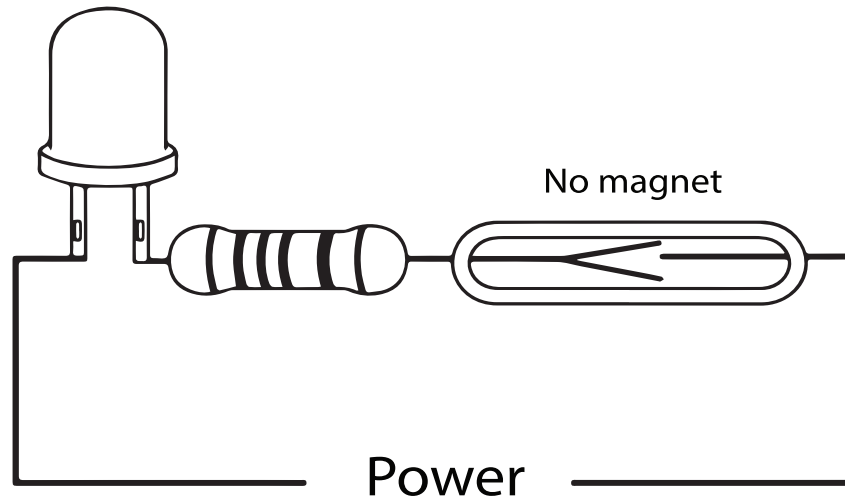
Door Sensor is a low-power security device used to detect the opening of a door or window, operating on the principle of a reed switch and a separate magnet. It works with very little power (low voltage) and has a maximum distance (the Operating Gap) that the magnet can move before the alarm is triggered.

How it Works?

Door Closed: When the door is closed, the magnet is right next to the reed switch. The magnetic field pulls the internal metal contacts of the switch together, either closing or opening the electrical circuit, depending on the sensor design.

Door Opened: When the door opens, the magnet moves away. The magnetic field is removed, the contacts spring apart, and the switch's state changes (from closed to open, or vice versa). This change is what the connected alarm control panel detects to trigger an alert.

Circuit diagram



a low maximum Switching Voltage (often 30 VDC to 100 VDC/VAC) and Current (0.2A to 0.5A), a Contact Rating of around 3W to 10W, and a critical Operating Gap (Actuation Distance) that ranges from approximately 10mm to 33mm,

Product Image





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All performance values are based on internal testing under standard conditions. Actual results may vary depending on installation environment, integration methods, firmware versions, third-party systems, and user configurations.

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