

Magnetic Proximity Switches

The Tempatron Solid State Magnetic Proximity Switches and Actuator Magnets are designed to be an ideal replacement for magnetic reed switches. The switches use the latest fully encapsulated surface mount technology to provide stable 'bounce free' direct switching.

The NPN sink and PNP source outputs can switch up to 250mA to relays, programmable logic controllers, TTL, CMOS and microprocessor systems.

The magnetic proximity switch and actuator magnet can be mounted up to 15mm apart and both are sealed to IP65, making them ideal for operation in harsh environments. The sensors are powered from 7.5 to 24Vdc and have an LED to indicate output status.

Models Available

SMX1-D Magnetic Proximity Switch

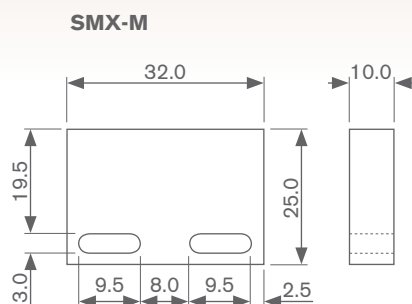
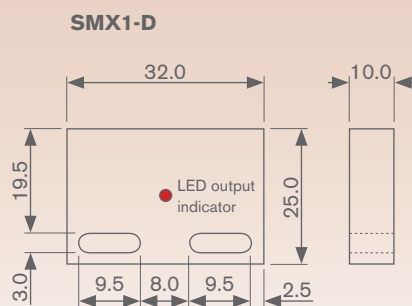
SMX-M Actuator Magnet

Product Features

- Alternative to magnetic reed switches
- Solid state technology
- Small enclosure protected to IP65
- NPN sink and PNP source outputs
- 250mA rated outputs
- 7.5 to 24Vdc powered

A cost effective alternative to magnetic reed limit switches

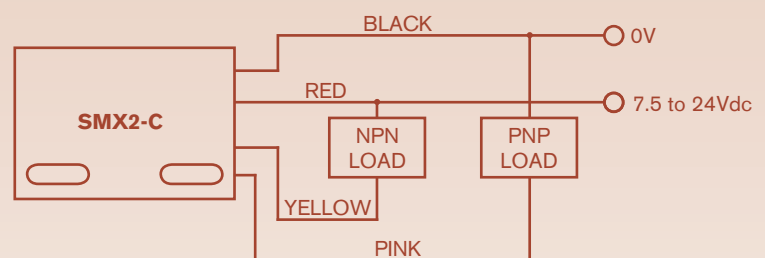
Dimensions



All dimensions in mm

Connections

SMX1-D Solid State Magnetic Switch



Ordering information

Model	Code	Description
	SMX1-D	Magnetic Proximity Switch
	SMX-M	Actuator Magnet

Example	SMX1-D	
----------------	---------------	--

Specification**Power Supply Voltage:**

- 7.5 to 24Vdc

Burden:

- 15mA nominal

Outputs:

- 1 x 250mA NPN current sink and
1 x 250mA PNP current source
- both active when magnet present
- 30Vdc maximum off voltage

Current Rating:

- 250mA

Leads:

- 150mm PTFE insulated wires

Sensing Range:

- Up to 15mm

Operating Temperature:

- -10°C to 60°C

Storage Temperature:

- -10°C to 70°C

Enclosure:

- Crastin® PBT SK643 enclosure material
- Flame retardant to UL94-V0

Enclosure Code:

- Case IP65

Weight:

- 25g

Specification subject to change without notice.

Tempatron: Eltime House, Hall Road, Maldon, Essex, CM9 4NF UK.

TEMPATRON

Tempatron Industrial Controls is a division of Eltime Ltd.

© Eltime Ltd. Tempatron Magnetic Proximity Switches 10/2012