

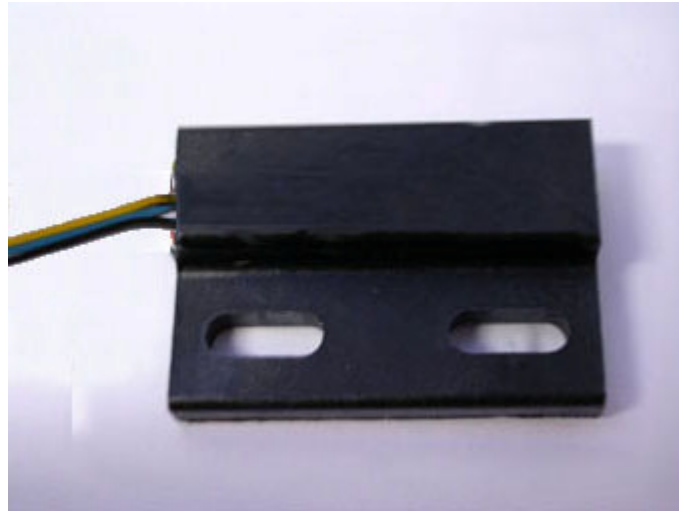
## POSITION SENSOR

### PS1 Series – Surface Mount Fitting

## PS1031

### Design Features

- Adjustable with XY axis using the PM101/102 magnets
- Cable wiring from the Left of the package
- Repeatability of operation
- Shunt or direct magnet operation
- Multiple Mode of Operation



### Product Comments

- Robust Nylon Housing
- Changeover Switch
- Surface Mounted by fixing screws
- Fully encapsulated
- Matching Package Operating Magnet PM101 or PM102

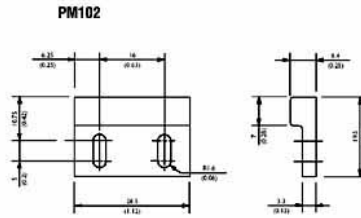
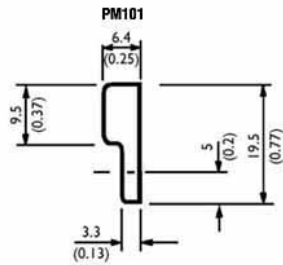
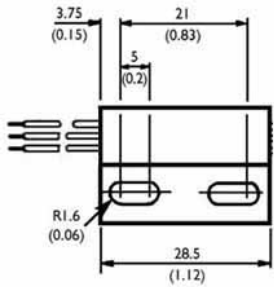
### Typical Applications

- Door Interlocks
- Hook Switches
- Security Systems
- Safety Interlocks
- Position Indication

### Material, Design and Operation

Mounting	Surface
Material:	Nylon 6.6
Contact Form:	Form B - SPST
Contact Material:	Ruthenium
Maximum Switching Volts:	100 VAC
Maximum Switching Current:	0.3A
Switching Action:	SPST Normally Closed
Maximum Power:	3 Watts
Housing Temperature Range °C:	100
Connection Type:	Stripped Cables
Cable Type:	2 x 24AWG, 7/0.2mm PVC Insulated 0.5M long
Operating Temperature Range °C:	70
Actuation Method:	Magnetic
Mounting Shock:	50g for 11ms duration
Mounting Vibration:	35g up to 500Hz
Magnetic Approach:	Direct Axis , Parallel Axis

## Line Drawing

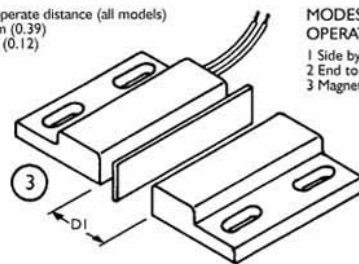
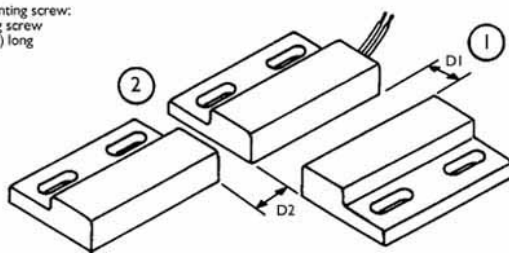


Recommended mounting screw:  
Pan head self tapping screw  
No.4 x 9.5mm (0.37) long

Maximum operate distance (all models)  
D1 = 10mm (0.39)  
D2 = 3mm (0.12)

**MODES OF OPERATION**

- 1 Side by side
- 2 End to end
- 3 Magnetic shunt



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