

GENTECH INTERNATIONAL LTD

Grangestone Industrial Estate
Girvan, Ayrshire KA26 9PS
United Kingdom

Telephone: +44 1465 713581

Fax: +44 1465 714974

E-Mail: info@gentechsensors.com

Web Site www.gentechsensors.com

POSITION SENSOR

PS1 Series – Surface Mount Fitting

PS1011

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
- Normally Open
- Surface Mounted by fixing screws
- Fully encapsulated
- Matching Package Operating Magnet PM101 or PM102

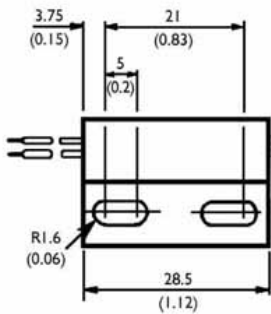
Typical Applications

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

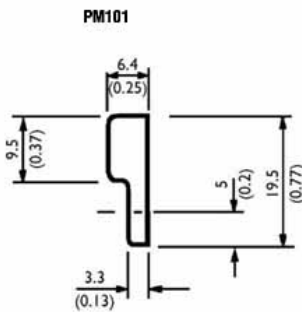
Material, Design and Operation

Mounting	Surface
Material:	Nylon 6.6
Contact Form:	Form A - SPST
Contact Material:	Ruthenium
Maximum Switching Volts:	250 VAC
Maximum Switching Current:	1.0 A
Switching Action:	SPST
Maximum Power:	15 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

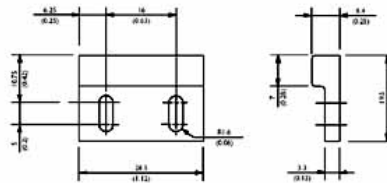
Line Drawing



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



PM102



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

