



730841

FPM8

POSITION SENSORS

PS8 SPECIFICATION NO. PS812/97

19716

The Gentech PS Series of magnetic reed switch position sensors provides proven reliability and a robust Stainless Steel housing totally encapsulated construction suitable for use even in dirty, oily, greasy, wet and similarly harsh environments. Operated by a similarly packaged (PM Series) magnet. The combination is suitable for direct magnet or shunt operation. PS Series position sensors meet a wide variety of application needs in security and safety systems, office equipment, fluid level sensing and management, construction plant, the automotive and many other industries

DESIGN FEATURES

- Normally Open
- IP67 rated
- 316 Stainless Steel construction
- Adjustable internal fit
- M10 x 1.5 threaded housing
- Robust with high chemical resistance
- Reed switch reliability
- Temperature range up to 120°C
- Adjustable to suit varying wall thickness and protrusions
- PM8 Actuation magnet available

TYPICAL APPLICATIONS

- Security switches
- Interlocked switches
- Pulse generation
- Position indicators
- Materials handling

OPERATIONAL CHARACTERISTICS

Switch Option		01
Contact Configuration		SPST(NO)
Contact ratings Maximum (resistive loads)	Volts DC	100
	Volts AC	250
	Amps	1.0
	Watts	15
	Volts	800
Minimum withstand across open contacts		
Initial Contact resistance	Ohms	0.25

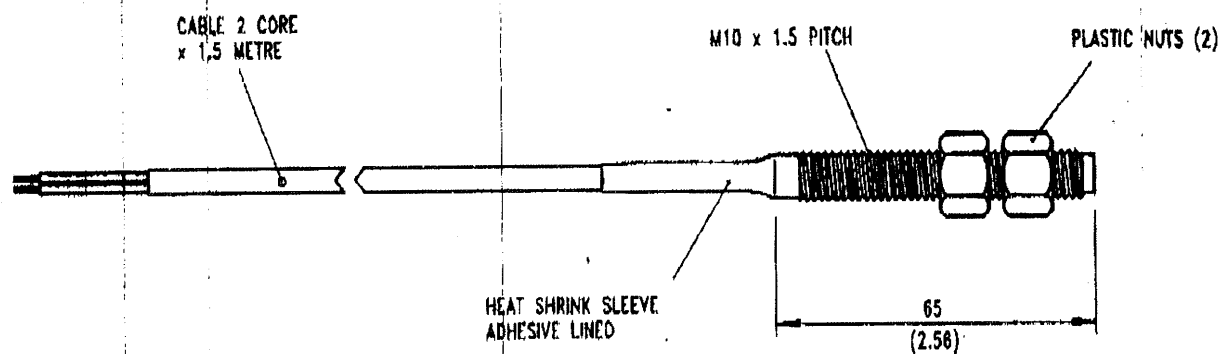
The above contact ratings are for resistive loads. For inductive, capacitive and tungsten filament lamp loads refer to the circuit protection notebook number 8/93/28/3343.

TEMPERATURE RANGE (Operate and Storage)

Sensor	-30° TO +120°C
Cable insulation	-30° TO +70°C

ELECTRICAL CONNECTIONS

Fitted with 1.5 metre of 0.5mm² double insulated cable 16/0.2mm stranded PVC insulated cable.

PS801**PM8**

Cylindrical magnet typically 45mm long by 10mm diameter.

Operate and release distances when actuated end to end:

- Operate by 12mm
- Release by 30mm

PART NUMBERING SYSTEM**SENSOR UNITS**

8 THREADED STAINLESS STEEL

SWITCH OPTION

0 | 1 SPST NORMALLY OPEN

MAGNET UNITS**RANGE**

8 UNPROTECTED

PS 8 0 1

PM 8