



## Switching, Sensing and Control Solutions

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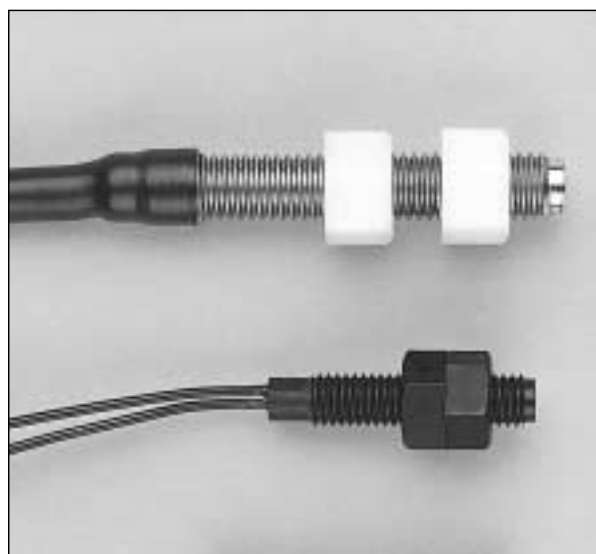
# PS8 SERIES

## POSITION SENSOR

### DESIGN FEATURES

- Normally open switching
- Sealed to IP67 (PS801)
- 316 Stainless Steel or Nylon 6.6 construction
- Adjustable internal fit
- M10 x 1.5 threaded and M8 x 1.25 housings
- 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

Gentech PS8 Series sensors are cylindrical threaded devices available in two package styles - stainless steel and Nylon 6.6. The twin locknut allows for both field adjustment to the target magnet and through-panel mounting. Compatible PM8 magnets are available.



### Operational Characteristics

Contact Configuration		SPST(NO)*
Contact ratings		
Maximum (resistive loads)	Volts DC	100
	Volts AC	250
	Amps	1.0
	Watts	15
Minimum withstand across open contacts		
	Volts	800
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.

\*Other switch options available

### TYPICAL APPLICATIONS

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

### Environmental Specifications

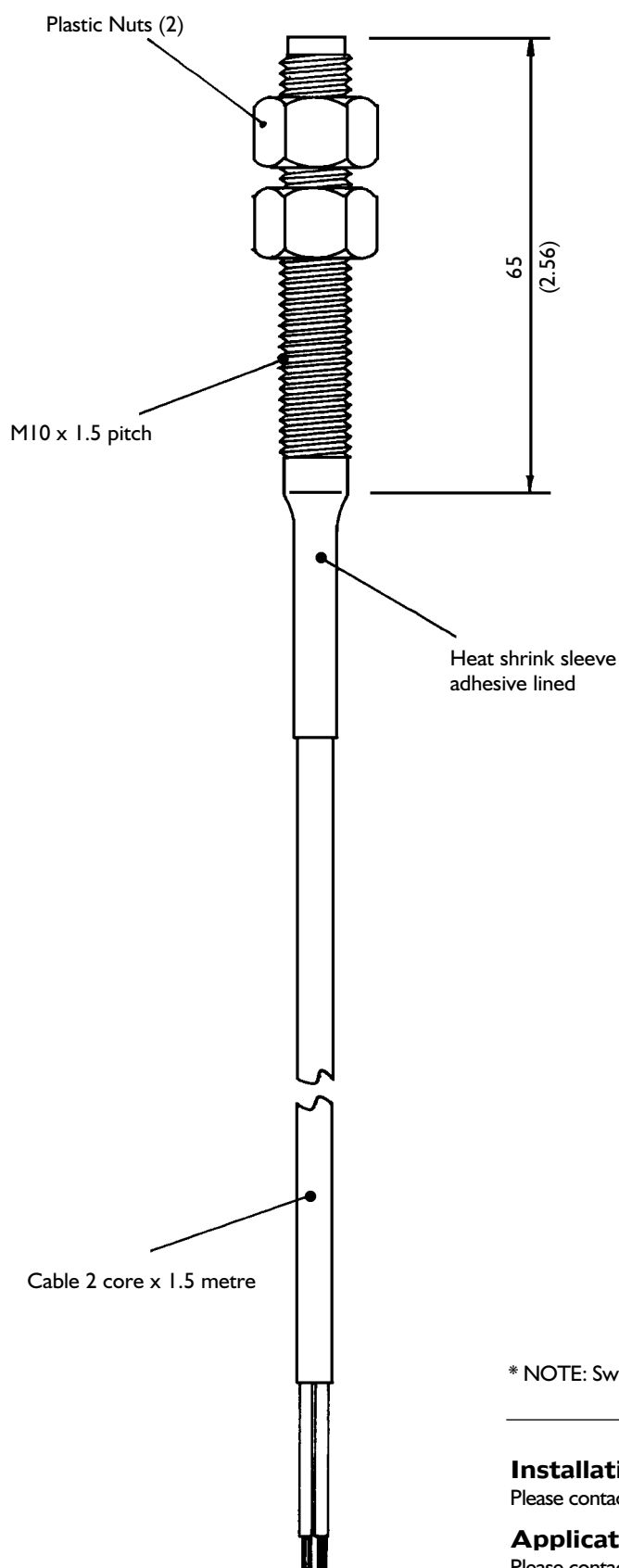
Temperature Range	Operate and Storage
Sensor	-30° to +120°C
Cable Insulation	-30° to +70°C

### Electrical Connections

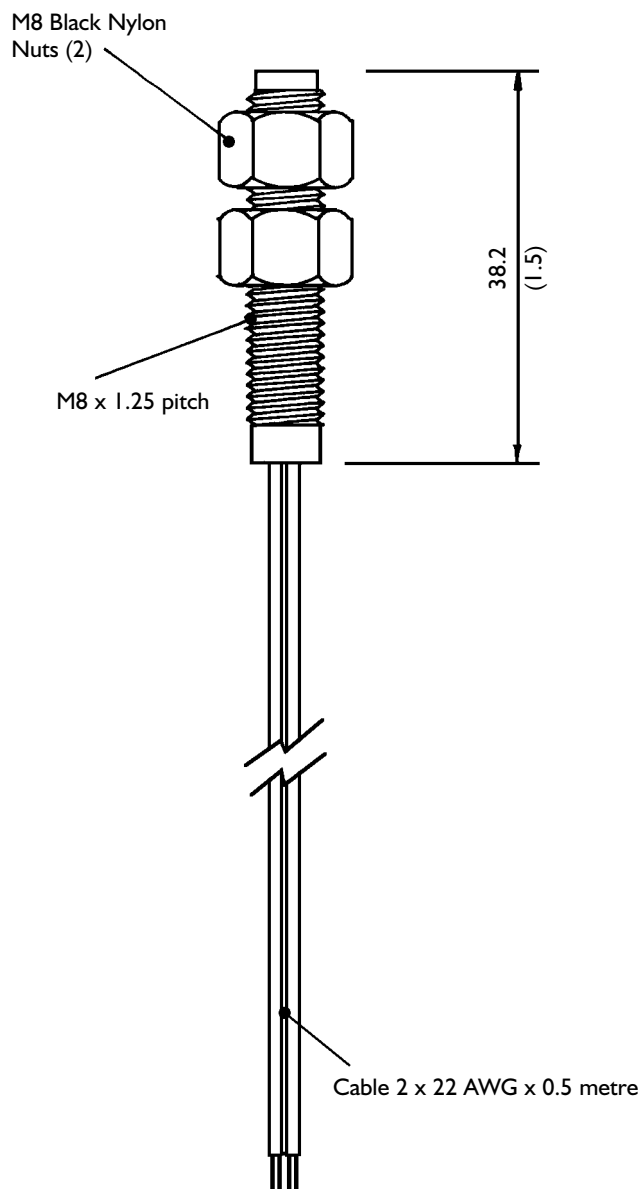
PS801 fitted with 1.5 metre of 0.5mm<sup>2</sup>, 16/0.2mm stranded PVC insulation cable

PS811 fitted with 0.5m of 2 x 22 AWG PVC insulated cable

## PS80 I Stainless Steel



## PS81 I Nylon 6.6



\* NOTE: Switching distance will be determined by magnet strength and orientation

### Installation

Please contact Sales at Gentech for installation instructions (Ref. FI 1000-R1)

### Applications

Please contact Sales at Gentech for applications relating to this product group.