

P800 Proxswitch

BETTER BY DESIGN

P800 Proxswitch Inductive Proximity Sensor

APPLICATION

The P800 Proxswitch is an inductive sensor designed to detect shaft speed, shaft position, gate position, or object presence.

METHOD OF OPERATION

The P800 Proxswitch is a CSA Class II, Division 1 approved limit switch style proximity sensor, which works on the damped oscillator principle. No contact is made between the sensor and the object being monitored. The P800 will detect a ferrous object at a maximum distance of 1/2" and a non-ferrous object at 5/16".

Three different sensor outputs are available -

1. P8002V10FC with changeover relay contact output. Best used for shaft position, gate position or object presence.
2. P8003V10C with opto-isolated bilateral FET output (energized on). Best used for speed monitoring.
3. P8004V10C with opto-isolated bilateral FET output (de-energized off). Best used for speed monitoring.

All units are fully encapsulated and come with a 6 foot cable lead and 1/2" conduit entry. Two LED's show power supply and input status.

FEATURES

- ▶ No Contact Monitoring
- ▶ Dust Hazard Approved
- ▶ Totally Sealed Construction: Submersible
- ▶ CSA Class II Div. 1 Groups E, F & G Approved
- ▶ IP 67 Protection

PART NUMBERS/ACCESSORIES

- ▶ P8002V10FC Proxswitch (Contact Closure Version)
- ▶ P8003V10C Proxswitch (Opto-Isolated Bilateral FET Version)
- ▶ P8004V10C Proxswitch (Opto-Isolated Bilateral FET Version)
- ▶ WG1-4B-4 Whirligig® (Target/Bracket/Guard)
- ▶ MAG2000 Mag-Con™ Magnetic Connector for Whirligig
- ▶ SM2 SpeedMaster™ Sensor Testing Device
- ▶ TACH3V5 Tacho Display



Whirligig®
& Mag-Con™
Connector

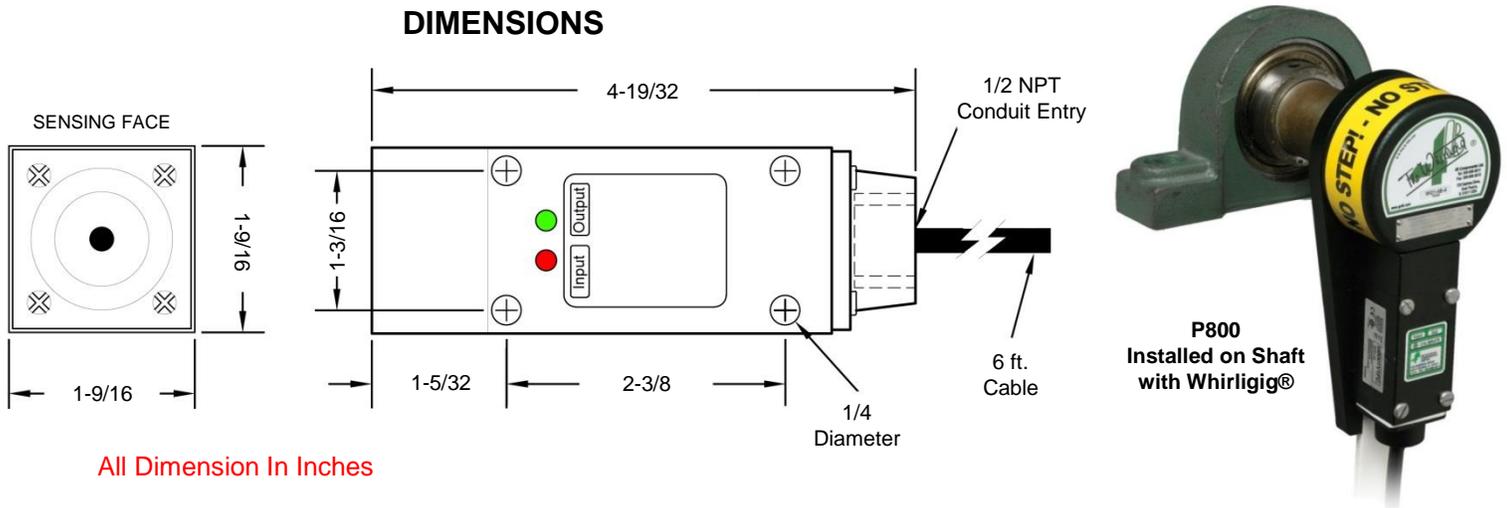


The SpeedMaster™ is the only device that accurately tests the calibration of a speed switch, and allows testing of the alarm and shutdown features of the sensor while installed on the machine shaft.

To see it in action, visit:
www.go4b.com/speedmaster

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All Dimension In Inches

TECHNICAL SPECIFICATIONS

P800 Proxswitch - Inductive Proximity Sensor

	P8002V10FC	P8003V10C	P8004V10C
Typical Applications -	Position & Object Monitoring	Speed Monitoring	
Output -	Voltage Free Changeover Relay 3A 240V Max.	Opto-Isolated Bilateral FET 120 VAC/VDC 100 mA Max.	
Output State -	Output De-Energized (Off) with No Target	Output Energized (On) with No Target	Output De-Energized (Off) with No Target
Relay Type -	Mechanical	Solid State	
Max Input Speed -	5 Hz (300 ppm)	100 Hz (6,000 ppm)	
Supply Voltage -	12 to 240 VDC / 24 to 240 VAC		
LED Indication -	Red and Green LED's for target detection		
Operating Temperature -	$-13\text{ }^{\circ}\text{F}$ ($-25\text{ }^{\circ}\text{C}$) to $158\text{ }^{\circ}\text{F}$ ($70\text{ }^{\circ}\text{C}$)		
Sensitivity -	Ferrous Target - $1/2$ Inch (12 mm) Maximum Non-Ferrous Target - $5/16$ Inch (6 mm) Maximum		
Body Construction -	Nylon		
Conduit Entry -	$1/2$ Inch NPT		
Cable Length -	6 Feet (2 m) - 4 Core		
Weight -	1 lb.		
Protection -	IP67		
Approvals -	CSA Class II Div 1 Groups E, F, and G (US and Canada)		