

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 12mm and a non-ferrous object at 6mm.

Four different sensor outputs are available -

1. P8001V34FC with NPN/PNP transistor output. Best used for speed monitoring.
2. P8002V10FC with changeover relay contact output. Best used for shaft position, gate position or object presence.
3. P8003V10C with opto-isolated bilateral FET output (energized on). Best used for speed monitoring.
4. P8004V10C with opto-isolated bilateral FET output (de-energized off). Best used for speed monitoring.

All units are fully encapsulated and come with a 2m 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

- ▶ P8001V34FC Proxswitch (NPN/PNP Transistor Version)
- ▶ P8002V10FC Proxswitch (Contact Closure Version)
- ▶ P8003V10C Proxswitch (Opto-Isolated Bilateral FET Version)
- ▶ P8004V10C Proxswitch (Opto-Isolated Bilateral FET Version)
- ▶ WG4A-BR Whirligig® (Target/Bracket/Guard)
- ▶ MAG2000M Mag-Con™ Magnetic Connector for Whirligig
- ▶ SM1 SpeedMaster™ Sensor Testing Device

NEW
Solid State Relay
Versions Available
P8003V10C
P8004V10C



Whirligig®
& Mag-Con™
Connector



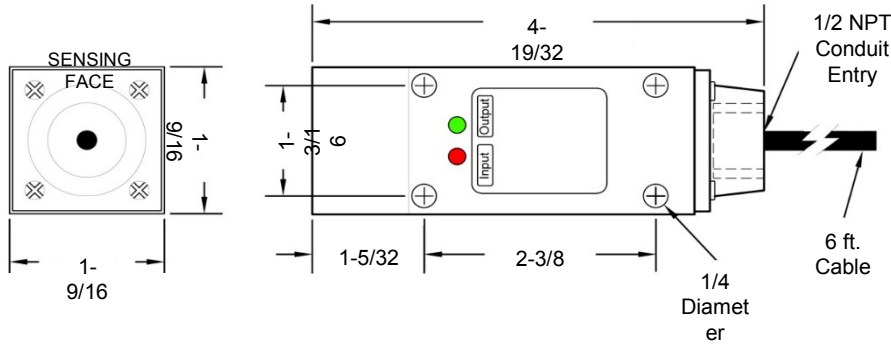
SpeedMaster™

Please refer to instruction manual for correct installation.
Information subject to change or correction. Sep 2015

P800 Proxswitch

BETTER BY DESIGN

DIMENSIONS



All Dimension In Inches

TECHNICAL SPECIFICATIONS

P800 Proxswitch - Inductive Proximity Sensor

NEW VERSIONS

	P8001V34FC	P8002V10FC	P8003V10C	P8004V10C
Typical Applications -	Speed Monitoring	Position & Object Monitoring	Speed Monitoring	
Supply Voltage -	10 to 30 VDC / 12 to 240 VDC / 24 to 240 VAC			
Output -	NPN/PNP Transistor 30 VDC 100 mA Max.	Voltage Free Changeover Relay 3A 240V Max.	Opto-Isolated Bilateral FET 120 VAC/VDC 100 mA Max.	
Output State -	Selected by Supply Polarity Connection	Output De-Energized (Off) with No Target	Output Energized (On) with No Target	Output De-Energized (Off) with No Target
Relay Type -	Solid State (Low Voltage)	Mechanical	Solid State	
Max Input Speed -	250 Hz (15,000 ppm)	5 Hz (300 ppm)	100 Hz (6,000 ppm)	
LED Indication -	Red and Green LED's for target detection			
Operating Temp. -	14° F (-10° C) to 158° F (70° 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. (0.45kg)			
Protection -	IP67			
Approvals -	CSA Class II Div 1 Groups E, F, G (US and Canada) GOST-R (Russia) CE (Europe)		CSA Class II Div 1 Groups E, F, and G (US and Canada)	