

P800 ProxSwitch

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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 1/2" and a non-ferrous metal object at a distance of 5/16".

Two different Sensor outputs are available. One with changeover relay contact outputs which works on a supply voltage of 24 to 240 VAC / 12 to 240 VDC and another with solid state NPN/PNP transistor outputs which works on a supply voltage of 10 to 30 VDC.

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

FEATURES

- ▶ No Moving Parts
- ▶ Universal Power Supply
- ▶ Dust Hazard Approved
- ▶ Totally Sealed Construction: Submersible
- ▶ Microprocessor Accuracy
- ▶ CSA Class II Div. 1 Groups E, F & G Approved
- ▶ IP 67 Protection

PART NUMBERS/ACCESSORIES

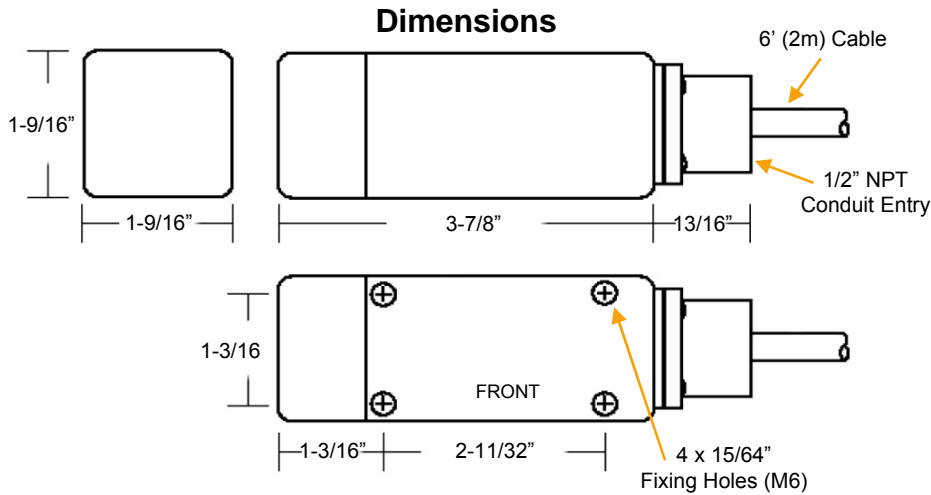
- ▶ P8002V10FC ProxSwitch P800 (Contact Closure Version)
- ▶ P8001V34FC ProxSwitch P800 (NPN/PNP Transistor Version)
- ▶ WG1-4B-4 Whirligig® (target/bracket/guard)
- ▶ MAG2000 Mag-Con™ Magnetic Connector for Whirligig



Whirligig® with Optional
Mag-Con™ Connector

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TECHNICAL SPECIFICATIONS

P800 ProxSwitch - Inductive Proximity Sensor

	P8002V10FC	P8001V34FC
Supply Voltage:	24 to 240 VAC / 12 to 240 VDC	10 to 30 VDC
Indication:	Red and Green LED's for target detection	Red and Green LED's for target detection
Output:	Voltage free changeover relay 3A 240V max.	NPN/PNP transistor rated at 30 VDC 100 mA max.
Max Input Speed:	5 Hz (300 ppm)	250 Hz (15,000 ppm)
Sensitivity:	Detect upto 8mm	Detect upto 8mm
Temperature:	5°F to 122°F	5°F to 122°F
Minimal Current:	1 mA	1 mA
Body Construction:	Molded Polycarbonate/ABS mix	Molded Polycarbonate/ABS mix
Conduit Entry:	1/2" NPT	1/2" NPT
Cable Length:	6 ft	6 ft
Weight:	1 lbs	1 lbs
Approvals:	CSA Class II Div 1 Groups E, F, and G (US and Canada), CE (Europe)	
Protection:	IP67	