

# P100 Proxswitch

BETTER BY DESIGN

## P100 Proxswitch

### Inductive Proximity Sensor - 18 mm

#### APPLICATION

The P100 Proxswitch is an inductive sensor designed to detect shaft speed, shaft position, gate position, or object presence.

#### METHOD OF OPERATION

The P100 Proxswitch is a 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 P100 will detect a ferrous object at a maximum distance of 5/16" (8 mm).

Three different sensor outputs are available -

1. P1001V10A with normally closed output. Best used for shaft position, gate position or object presence.
2. P1002V10A with normally open output. Best used for shaft position, gate position or object presence.
3. P100V34A with NPN/PNP transistor output. Best used for speed monitoring.

All units are fully encapsulated, come with a 16 foot cable lead and include an LED to indicated target detection.

#### FEATURES

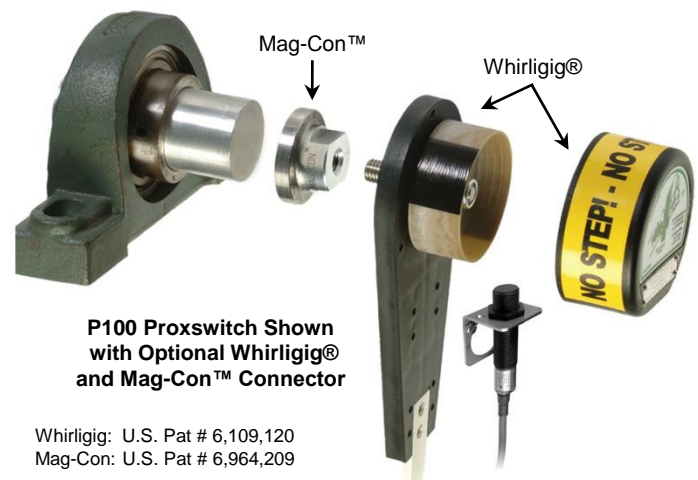
- ▶ No Contact Monitoring
- ▶ Totally Sealed Construction
- ▶ 5/16" (8 mm) Detection Range - Ferrous Target
- ▶ IP 65 Protection
- ▶ Easy Installation with Whirligig® Sensor Mount

#### PART NUMBERS/ACCESSORIES

- ▶ P1001V10A Proxswitch (Normally Closed Output)
- ▶ P1002V10A Proxswitch (Normally Open Output)
- ▶ P100V34A Proxswitch (NPN/PNP Transistor)
- ▶ P1001V10G Proxswitch (ATEX Gas Zone 2G)
- ▶ P1002V10G Proxswitch (ATEX Gas Zone 2G)
- ▶ P100V34G Proxswitch (ATEX Gas Zone 2G)
- ▶ A12NPT 1/2" NPT Conduit Adapter
- ▶ CDL1 2 Wire Load Device (110 VAC)
- ▶ CDL4 2 Wire Load Device (24 VDC)
- ▶ WG1-4B-4 Whirligig® Shaft Sensor Mount
- ▶ MAG2000 Mag-Con™ Magnetic Connector



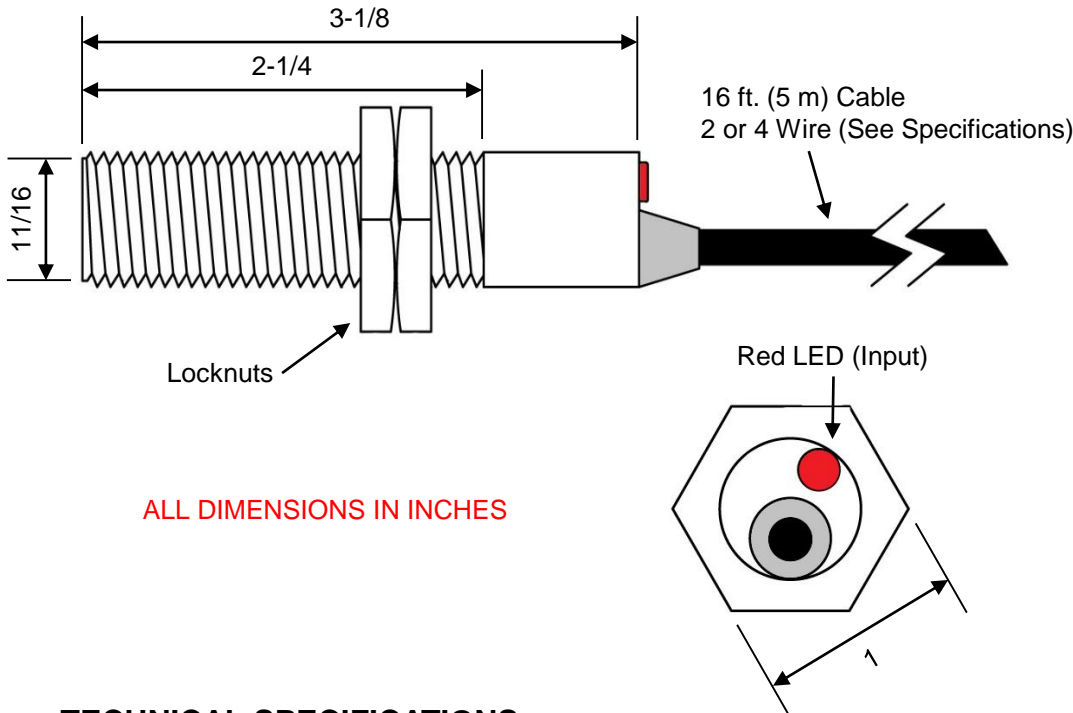
ATEX Zone 20  
ATEX Gas Zone 2G



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## DIMENSIONS



Sensor Installed on Whirligig®  
Shaft Sensor Mount

## TECHNICAL SPECIFICATIONS

### P100 Proxswitch - Inductive Proximity Sensor

	P1001V10A	P1002V10A	P100V34A
Applications -	Position & Object Monitoring		Speed Monitoring
Supply Voltage -	24 to 240 VAC / VDC		10 to 30 VDC
Output -	Triac		NPN/PNP Transistor
Switching Capacity -	100 mA Max.		30 VDC 100 mA Max.
Output State -	Output Energized (On) with No Target	Output De-Energized (Off) with No Target	Selected by Supply Polarity Connection
Max Input Speed -	100 Hz		200 Hz
LED Indication -	Red (Input) = Target Sensed		
Operating Temp. -	5° F (-15° C) to 122° F (50° C)		
Minimum Current -	1 mA		
Sensitivity -	Ferrous Target - 5/16 Inch (8 mm) Maximum		
Enclosure -	Nylon - ISO Threaded 18 mm by 1 mm Pitch		
Cable Length -	16 ft. (5 m) - 2 Core		16 ft. (5 m) - 4 Core
Protection -	IP65		
Approvals -	ATEX - EXII 1D T100°C		