

- Compact, self-contained system with sensor and switch
- Easy Installation and Calibration
- Dust, Dirt, and Greaseproof
- PVC corrosion-resistant NEMA 4X housing
- 115 VAC (50-60 Hz)
- Works with Electro-Sensors magnetic pulser discs / wraps
- 5-Year Limited warranty

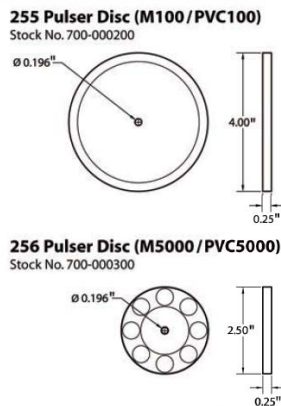


Description

PVC-Series Miniature Speed Switches are self-contained rotation monitoring systems that are ideal for detecting the unwanted slowdown of process equipment. These systems are commonly used to monitor drive trains, power-driven components, crushers, exhaust fans, screw conveyors, or tail pulleys on belt conveyors and elevators. The standard system includes a PVC-Series switch and a 255 Disc. Electro-Sensors' speed switches bring efficiency and safety to your operations by preventing machine damage, product waste, and costly down time. The PVC-series switches are made for environments with corrosive surroundings. The PVC series switches are able to operate in these environments much more effectively than a metal housing sensor.

Sensor Gap Flexibility

You only need a ruler to position our sensing heads (with our competitors you need a feeler gauge). Compare our sensor tolerances to competitors before you purchase and install an inflexible rotational pickup device.



Principle of Operation

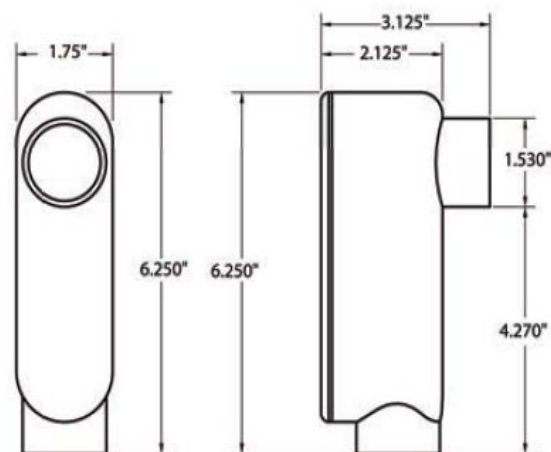
The PVC100 and PVC5000 measure shaft speed by sensing magnets embedded in a pulser disc* attached to the rotating shaft end or a split collar pulser wrap* attached around the shaft.

The rotating shaft with an end mounted pulser disc or a split collar pulser wrap creates a rotating magnetic field that is detected by the Hall Effect sensor in the Shaft Speed Switch. If the rotation speed detected is below the user-adjusted setpoint, the output relay de-energizes, providing an alarm signal or equipment shutdown.

PVC100/PVC5000

PVC100 Stock No. 775-007710

PVC5000 Stock No. 775-007810



Product Specifications

	PVC100	PVC5000
Integrated Sensor	✓	
Sensor Input Signal	Single	
Target Type	Magnetic	
Detection	Underspeed, Zero Speed	
Operating		
Input Power Options	115 VAC (60 Hz)	
Output	SPDT Form C, Isolated	
Relay Contact Rating	5 Amp @30 VDC or 230 VAC resistive	
Operating Temperature	-40° F to +140° F	
Sensing Head	Integral	
Electrical Connections	5 pos Terminal Strip de-pluggable	
Number of Setpoints	1	
Setpoint Range (RPM)	5-100	100-5,000
Setpoint Accuracy	±0.5%	
Setpoint Adjustment	1-turn (270°) Potentiometer	
Housing		
Enclosure Mount	Conduit	
Material	Cast Aluminum	
Enclosure Rating	4X	

Specifications subject to change without notice.

Ordering

All models come with a standard bracket for mounting

Model Description	Part Number
PVC100, 115 VAC	775-007710
PVC5000, 115 VAC	775-007810

PVC100/PVC5000 Standard System

- Shaft Speed Pulse Generator
- PVC100/PVC5000 Speed Sensor

These are the most popular system components. Many other options are available.

System Options	Part Number
Standard 255 Nylon Pulser Disc, 4" Diameter, 16 Magnets (PVC100)	700-000200
256 Nylon Pulser Disc, 2.5" Diameter, 8 Magnets (PVC5000)	700-000300
Split Collar Pulser Wrap (PVC, Aluminum, Stainless Steel)	Custom (See Website)

Other Options	Part Number
EZ-100 Bracket Assembly	810-000001
MM-2.00 Mounting Magnet (must use EZ-100 Bracket Assembly)	810-000050
Standard Disc Guard	725-005300
EZ-Mount Disc Guard	725-005200
EZ-Mount Lower Disc Guard	725-005201

Customization

If one of our standard products does not meet your specifications, please call one of our applications specialists. Many of our products can be customized to fit specific needs.

Additional Information

For more information about product, please refer to the PVC100/PVC5000 Installation and Operating Manual.

Email: sales@electro-sensors.com

Tel: (800)328-6170

Fax: (952)930-0130

We also have more information online at:
www.electro-sensors.com