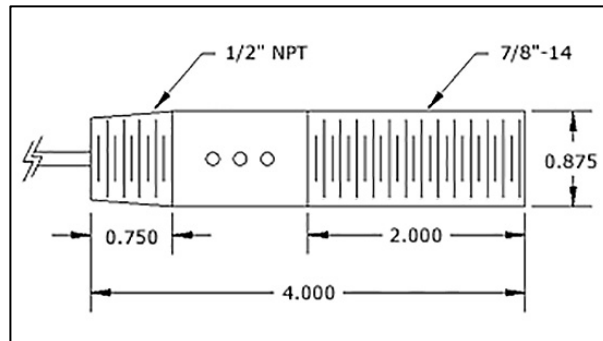




Zero Speed Switch Sensor, ZS09R



Model ZS09R, with Reed Relay
Device contains sensor and relay.



Dimensions (in inches) and Threads

General Specifications

Operating Voltages: 5-24 VDC or 120 VAC
Speed Detection Range: 0.03 – 25,000 RPM
Operating Temperature: -40°F to 140°F
Operating Frequency:
Hall Effect and Inductive (Gear Tooth):
0.02Hz - 10kHz
Hall Effect Only: 0.02Hz - 25kHz
Contact ratings:
250 VAC, 220 VDC Maximum, 1 Amp
Vibration resistance:
10 to 55 Hz, double amplitude 3 mm (20 G) –
misoperation
10 to 55 Hz, double amplitude 5 mm (30 G) –
destructive failure
Shock resistance:
735 m/s² (75 G) – misoperation
980 m/s² (100 G) – destructive failure

Relay Set-Point Adjustment Range:

Standard: 1-100 RPM, 1 Pulse Per Revolution
Custom parameters are available.

Housing Material: Aluminum

Fuse: Internal 1/2 Amp non-replaceable fuse

Cable: 4 ft., 6 conductor, 22 AWG, unshielded

Sensing Distance to Target (Gap):

1/16" to 5/16" using Ferrous Target (Gear tooth
Wheel, Bolt Head, Key Stock, etc.)

Sold Separately:

1/16" to 3/8" using Phares HD Magnetic Disk.
1" Maximum using Phares Standard Magnetic
Disk.

1" maximum using Magnet Part No. SM-100

2" maximum using Magnet Part No. RM-100

Minimum Gear Tooth Target Sizes:

1/8" gear tooth length, width, depth and gap.

Gear Tooth Target Material:

High ferrous (iron) content.

Part Number Chart

ZS09R X - Y Z

Sample Part No. ZS09R1-120F

<u>X – Relay Output</u>	<u>Y – Input Voltage</u>	<u>Z – Target Material</u>
1: N.O./N.C. 2: N.O. 3: N.C.	120: 120 VAC D: 6-24 VDC	M: Magnetic F: Ferrous (such as gear tooth, bolt head, or keystick)

Options

- Custom Cable Length
- Custom Relay Setpoint Adjustment Range
- Fixed Setpoint
- Relay Latch