COMPONENTS

Stopswitch

TECHNOLOGY • INNOVATION • QUALITY • VALUE

Stopswitch

Detect Dangerous Underspeed Stop Conditions

APPLICATION

The M100 Stopswitch is a simple inductive shaft speed-monitoring device. The self-contained unit has a single set point, which signals when the shaft has stopped rotating. It can be used for process control, motion detection and stopped shaft indication.

METHOD OF OPERATION

An inductive sensing device located in the nose of the M100 enclosure will detect a metal target. This target can be an existing bolt head or device attached to a shaft. The M100 Stopswitch requires no calibration and provides an output when the shaft has stopped rotating.

FEATURES

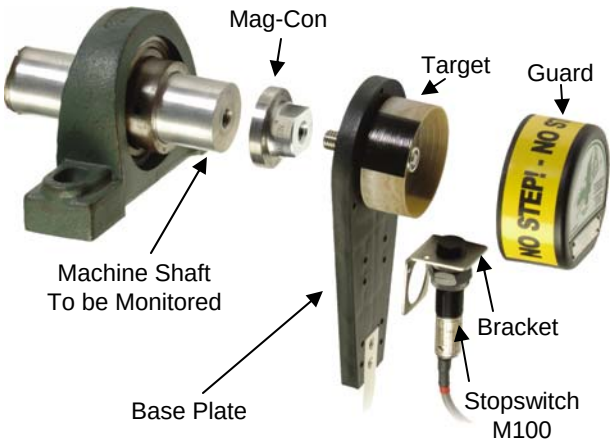
- Stopped Motion Detection
- Totally Sealed Construction (Submersible)
- Microprocessor Accuracy
- LED Indication
- Class 2 Division 1 Groups E, F & G Approved
- IP67 Protection

APPROVED C US

ATEX Approved Versions Available

PART NUMBERS/ACCESSORIES

M1001V10F	Stopswitch M100
A12NPT	1/2” NPT Conduit Adapter
WG1-4B-4	Whirligig (target/bracket/guard)
MAG2000	Mag-Con Magnetic Connector for Whirligig
CDL1	2 Wire Load Device 110VAC



Stopswitch M100 shown with optional Whirligig and Mag-Con

(Used for simple and reliable installation on shaft speed monitoring applications)

Detailed specification, wiring diagrams and installation/operating instructions available immediately upon request.

Please refer to instruction manual for correct installation.
Information subject to change or correction. March 2008.

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COMPONENTS

Stopswitch

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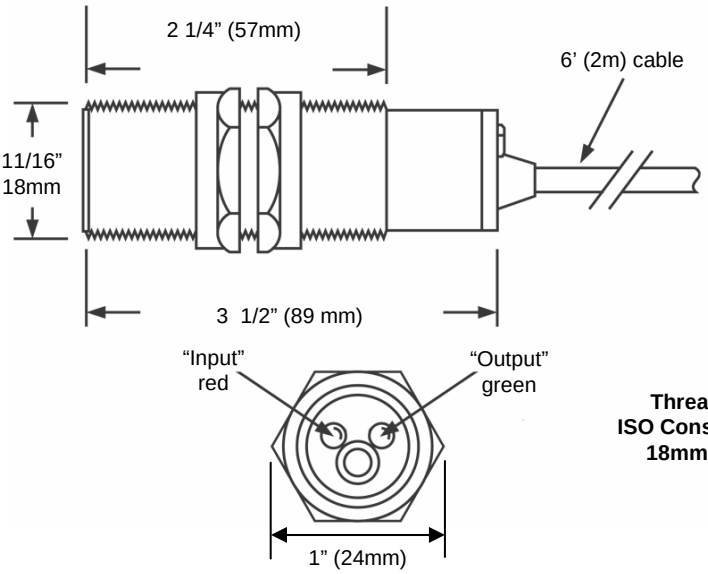
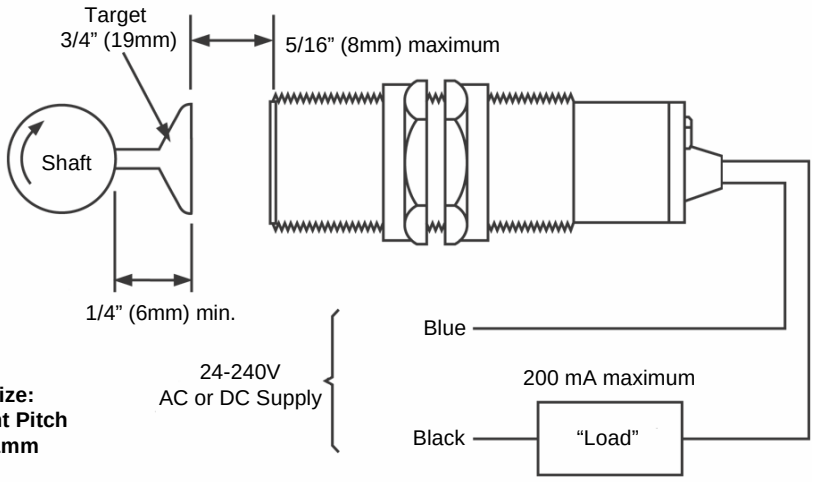
M100 Dimensions



Thread Size:
ISO Constant Pitch
18mm x 1mm

M100 Connections



Note: The "load" must have the same voltage rating as the supply being used

TECHNICAL SPECIFICATIONS

Stopswitch – Detect Dangerous Stop Conditions

	M1001V10F - (M100 2-Wire)
Power Supply:	24-240 VAC/DC
Power Consumption:	30 mA
Fuse:	5 amp maximum
Output:	Triac, normally closed above minimum input speed Normally open at stopped motion
Switching Capacity:	200 mA maximum
Saturation Voltage:	8 Volts maximum (output on)
Leakage Current:	1.6 mA maximum (output off)
Operating Temperature:	-25°C (-13°F) to 70°C (+158°F)
Start Up Delay:	4 seconds
Sensing Range:	5/16" (8mm) maximum on ferrous metal at 77° F
Input Pulse Range:	20-2000 ppm maximum
Trip Point:	Stopped motion (4 seconds)
LED Indicators:	Red - "target sensed" Green - "closed circuit"
Relative Humidity:	90% RH
Calibration:	Factory set (no site calibration required)
Cable:	6' (2m) 2 conductor
Approval:	Class 2 Div. 1 Groups E, F, & G (US and Canada)
Protection:	IP67

Please refer to instruction manual for correct installation.
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