FLUENT CONVEYORS SPEED SWITCHES

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Fluent Conveyors offers speed switches installed quickly by using magnetic design to attach to the shaft. They reduce costly setup and installation by eliminating the need for drill and tap. The breakaway design minimizes damage from falling debris compared to rigid design. The speed switches nylon housing is rugged and will perform well in harsh environments. Added benefit of LED illumination allows for visual monitoring.

STANDARD HOUSING CONFIGURATION

LOW PROFILE HOUSE CONFIGURATION

2" MAGNETIC COUPLER

1" MAGNETIC COUPLER



Low profile only available with small diameter magnetic connector.

For shaft sizes $1-\frac{15}{16}$ and Greater.



For shaft sizes $1-\frac{15}{16}$ and Smaller.

Technical Specifications & Speed Switches Modification Options

Please note not all Magnetic Speed Switches can be configured with each option.

Input Voltage	• 20-240V AC/DC	
Pulace per Develution	• 1 Pulse	4 Pulse
Puises per Revolution	• 2 Pulse	12 Pulse
Wire Design	• 2 Wire (1-4 Pulse)	• 3 Wire (12 Pulse)
Speed Limits Max.	• 700 RPM	• 550 RPM • 250 RPM
Magnetic Holding Force	• 80 lbs. (1" Base)	• 120 lbs. (2" Base)
Features	Interface With Most PLCS	Illuminated LED To Visually Inspect Proper Functioning

WIRING DIAGRAMS					
	MS1, MS2, MS4		MS1-SS, MS2-SS, MS4-SS	MS12PNP, MS12NPN	
Туре	2 wire AC/DC inductive proximity sensor normally open with resettable short circuit protection		2 wire AC inductive proximity sensor normally open with standard 4 second hold	3 wire DC inductive proximity sensor normally open with resettable short circuit protection	
	AC	DC	AC		
Operating Voltage	20-250V AC	10-300V DC NPN or PNP	20-132V AC	10-30V DC (NPN or PNP, Depending on model)	
Current	3-100mA	3-100mA	5-300mA	<= 200mA	
Off State Leakage	<1.7mA	<1.7mA	<1.7mA	<0.1mA	
Voltage Drop	<6V	<6V	<5V AC	<1.8V	

2 WIRE AC CIRCUIT DIAGRAM





2 WIRE DC SINKING (NPN) CIRCUIT WIRING DIAGRAM





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3 WIRE DC SOURCING (PNP) CIRCUIT WIRING DIAGRAM

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