



PPI's Speed Switch Design is setting the bar for ease of installation in the conveyor monitoring field. The innovative magnetic coupling system eliminates the conventional drill and tap of the past. Simply snap the sensor into place on the shaft, connect wiring and installation is complete. The magnetic coupling not only makes installation a breeze, it allows the unit to break away from the shaft if struck by errant debris, minimizing equipment damage compared to rigid designs. The Speed Switch Series offers a variety of different pulse outputs and accommodates shaft sizes from 1" in diameter and greater, making it very versatile.

FEATURES AND BENEFITS

- Installs in seconds by utilizing a user friendly magnetic design to attach to the shaft
- Reduces costly set up & installation time by eliminating the need for a drill and tap
- Break away design minimizes equipment damage from falling debris compared to a rigid design
- Rugged nylon housing is nearly indestructible and will withstand the harshest environments
- Visually monitor proper function via an illuminated LED



TECHNICAL DATA

- Interfaces with most PLCs
- Handles a wide variety of input voltages from 20-240V AC/DC
- Standard two wire design on the 1-4 pulse models
- Three wire design on 12 pulse model where PNP or NPN is specified
- Rare earth magnets provide 120lbs of holding force on the 2" base, while the 1" option has 80 lbs of holding force

PRODUCT OPTIONS

Standard Housing Configuration



Low Profile Housing Configuration



2" Magnetic Coupler



1" Magnetic Coupler



Low profile only available with small diameter magnetic connector

For shaft sizes 1-15/16" and greater

For shaft sizes 1-15/16" and smaller

PRODUCT PART NUMBERING

	PART NUMBER	PRODUCT DESCRIPTION
STANDARD PRODUCT	MS1	1 Pulse per revolution, Standard housing, 2" magnet base
	MS2	2 Pulse per revolution, Standard housing, 2" magnet base
	MS4	4 Pulse per revolution, Standard housing, 2" magnet base
	MS12PNP	12 Pulse per revolution, Standard housing, 2" magnet base
	MS12NPN	12 Pulse per revolution, Standard housing, 2" magnet base
1" MAGNET BASE	MS1S	1 Pulse per revolution, Standard housing, 1" magnet base
	MS2S	2 Pulse per revolution, Standard housing, 1" magnet base
	MS4S	4 Pulse per revolution, Standard housing, 1" magnet base
	MS12SPNP	12 Pulse per revolution, Standard housing, 1" magnet base
	MS12SNPN	12 Pulse per revolution, Standard housing, 1" magnet base
LOW PROFILE HOUSING	MS1SLP	1 Pulse per revolution, Low profile housing, 1" magnet base
	MS2SLP	2 Pulse per revolution, Low profile housing, 1" magnet base
	MS4SLP	4 Pulse per revolution, Low profile housing, 1" magnet base
STOP SWITCH DESIGN	MS1-SS	Constant signal voltage, Standard housing, 2" magnet base
	MS1S-SS	Constant signal voltage, Standard housing, 1" magnet base
	MS1SLP-SS	Constant signal voltage, Low profile housing, 1" magnet base



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