The **K- Magnetic Speed Switch** is a preset inductive proximity switch. As the magnetic coupler rotates, it opens and closes an electrical circuit a preset number of times per revolution. The Magnetic Speed Switch is intended to be used with a PLC or similar device that can monitor the number of pulses per revolution and select a desired output. The exceptions are the MS-SS, MS1S-SS, and MS1SLP-SS which have a built-in 4 second delay and can be connected to a relay. This device is not intended for use in hazardous areas as defined by the NEC, articles 500-504.

## Features & 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 2 wire design on the 1-4 pulse models
- 3 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





## Kinder Australia Pty Ltd
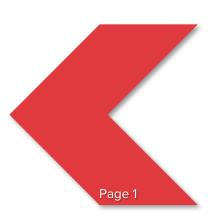
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## Product Options

| Standard Housing Configuration | Low Profile Housing Configuration | 2" Magnetic Coupler | 1" Magnetic Coupler |
|---|---|---|---|
| 2-7/8" | 1-3/4" | 2-1/16" | 1" |
| 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 |

| | 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 | 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 | M-SS | Constant signal voltage, Standard housing, 2" magnet base |
| | MS-SS | Constant signal voltage, Standard housing, 1" magnet base |
| | MLP-SS | Constant signal voltage, Low profile housing, 1" magnet base |

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