

## Proximity Switch Model BI2-S12

## Instruction Manual

### General

Model BI2-S12 is a three-wire proximity switch designed to detect metal when placed in front of a sensing surface. The BI2-S12 includes an LED to indicate if an object in front of the sensor is present. This sensor is short circuit, overload, and reversed polarity protected to protect your sensor from damage.

Features include a pre-wired 2m cable assembly for easy installation. This sensor is suitable for direct use with Shimpo tachometers or competitor's products. It can be used with a single projection head or can be used with multiple projection heads.

### Specifications

<b>Sensing distance:</b>	4mm
<b>Switching frequency:</b>	1.5KHz
<b>Output:</b>	PNP, NPN
<b>Housing material:</b>	Nickel-plated brass
<b>Sensing head material:</b>	Crastin
<b>Ambient temperature:</b>	14°F to +158°F
<b>Supply Voltage:</b>	10-30VDC
<b>Protection ITC:</b>	IP67
<b>Electromagnetic Compatibility Compliance:</b>	NEMA ICS5-2000

<b>Cable:</b>	2-meter (6.56')
	PVC covered
	3-conductor
	#26AWG

### Approvals:



### Connections

Lead	Tachometer Terminal
Brown	10-30VDC (positive)
Blue	0V (GND)
Black	Signal

### Dimensions

