-B1--Sensor-®

INDUCTIVE PROXIMITY SWITCH

MANU









Thanks for usinig B1-Sensor electrical, for your safety, please read the following before using.

Caution for your safety

Please keep these instructions and review them before using this unit. Please observe the cautions that follow:

Warning: Serious injury may result if instructions are not followed.

Caution: Product may be damaged, or injury may result if instructions are not followed.

The following is an explanation of the symbols used in the operation manual.

Caution: Injury or danger may occur under special conditions

Warning

In case of using this unit with machinery (Ex: nuclear power control, medical equipment, ship, vehicle, train, airplane, combustion apparatus, safety device, crime/disaster prevention equipment, etc) which may cause damages to human life or property, it is required to install fail-safe device.

Caution

- 1. Do not use this unit in place where there are flammable, explosive gas, chemical or strong alkalis, acids.lt may cause a fire or explosion.
- 2. Do not impact on this unit. It may result in malfunction or damage to the product.
- 3. Do not apply AC power and observe the rated specification. It may result in serious damage to the product.

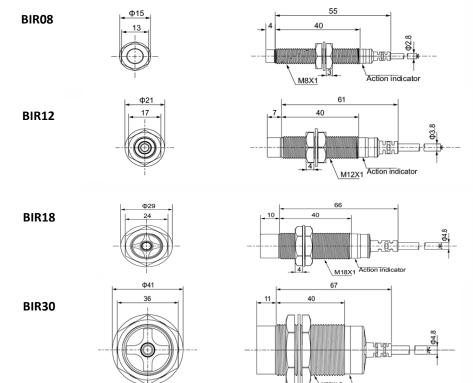
Specifications

Model	BIR08	BIR12	BIR18		BIR30	
Sensing distance	1mm l 2mm	2mm I 4mm	5mm I 8mm		10mm l15mm	
Hysteresis	Max. 10% of sensing distance					
Standard sensing	8 * 8 * 1mm	12 * 12 * 1mm	18 18x1mm	25 x 25x1mm	30 x 30x1mm	45*45* 1mm
target	(Iron)	(Iron)	(Iron)	(Iron)	(Iron)	(Iron)
Setting distance	0-1.05mm 0~1.4mm 0~2.8mm					0-10.5mm
Power supply	12-24VDC (10-30VDC)					
Current consumption	10mA WT					
Response frequency	1.5kHz 1kHz	1,5kHz 500Hz 500Hz 350Hz 400Hz 200Hz				
Residual voltage	Max. 2VC	Max. 1.5V				
Affection by Temp.	Within ± IOC max of sensing distance at 20C in temperature range of -25 -7010 (CJY08 Series: Max.					
Control output	Max. 200mA					
Insulation resistance	Min, 50MO (500VDC megger)					
Dielectric Strength	1500VAC 50/60HZ for 1 minute					
Vibration	1mm amplitude at frequency of 10 ~ 55Hz in each of X, Y, Z directions for 2 hours					
Shock	500m/s²(50G)X,Y,Z directions for 3 times					
Indicator	Operating indicator (Red LED)					
Enviorment	Ambient temperature -25~+70"C, Storage: -30~+80'C					
	Ambient humicfty	ımicfty 35~95%RH, Storage: 35~95%RH				
Protection circuit	Surge protection, Reverse polarity proteciton, Overload & short circuit protection					
Protection	IP67(IEC Standards)					
Materials	Case/Nut: Nikel plated Brass, Washer: Nikel plated Iron, Sensing surface: Heat-resistant ABS, Standard cable(Black): Polyvinyl chloride(PVC), Oil resistant cable(Gray): Oil resistant Polyvinyl chloride(PVC)					
Approval	® ce					

Dimensions



Action indicator



Ordering Information

