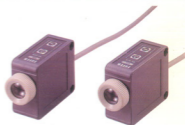


- * High speed response : 5K Hz
- * Easy to set optimum detecting status by tuning sensitivity & emitting strength
- * White Light Emitter easy to detect the red or green mark.
- * Co-axial detector detects the mark more stably.
- * Dark ON / Light ON changeably.
- * NPN & PNP Two outputs.
- * MS series AT Mark Sensor



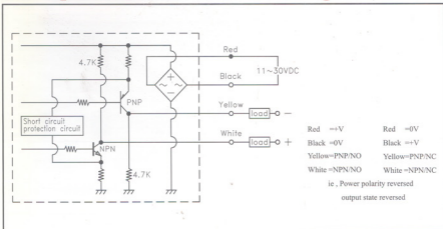
MS Series AT Mark Sensor

Model	MS-02W	MS-02W-H	MS-02W-M12	MS-02WH-M12
Setting distance	25.0mm			
Operating voltage	10~30VDC · Ripple < 20% of Peak to Peak			
Response time	0.25ms	0.1ms	0.25ms	0.1ms
Output method	NPN&PNP Two outputs 150mA			
Output status	NO/NC Light ON changeable.			
Connection method	4C/5.0 × 2M		M12 connector	

Type	Figure	Model	Sensitivity Direction	Sensible Distance	Guiding of Model	
Reflex Type		FR-1MX	Horizontal	1 M	Ex : F B- 2M X-V ① ② ③ ④ ⑤ ① SERIES F : Standard Type Photo Sensor ② Type R : Reflex Type G : Mirror Reflex Type T : Thru Beam Type ③ Sensing Distance 30=30cm 1M=1m 2M=2m 10M=10m ④ Emitter X : Infrared LED. R : Red LED. ⑤ Sensitivity Direction non : NO TYPE V : Vertical	
		FR-2MX		2 M		
		FR-1MX-V	Vertical	1 M		
		FR-2MX-V		2 M		
Mirror Reflex Type		FG-3MX	Horizontal	3 M		
		FG-3MX-V	Vertical			
Thru Beam Type		FT-10MX	Horizontal	10 M		
		FT-20MX		20 M		
		FT-10MX-V	Vertical	10 M		
		FT-20MX-V		20 M		

FM series

Output Circuit & Connection Diagram



Dimension

