



C-R-SERIES

คุณสมบัติ

- C-R-SERIES เป็น Photoelectric Sensors รูปทรงกระบอกขนาด M18 (Ø 18mm.)
- โครงสร้างของเซ็นเซอร์ทำมาจากโลหะผสมทองเหลืองทนต่อการสั่นสะเทือนสูง
- ติดตั้งง่ายในระยะไกล เพราะลำแสงมีความคมชัด

ข้อมูลทางเทคนิค

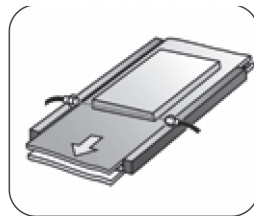
Model	Through Beam	Retro Reflective	Diffuse Reflective	Limited Range
Cable type	CTD-2500(N/P)-R	CRD-400(N/P)-R	CDD-100(N/P)-R	CDD-11(N/P)-R
Sensing distance *1	25m	0.01 to 4m	0 to 1m	0 to 110mm
Light Source	Red LED			
Spot size (approx.)	φ 1600mm / 25m	φ 240mm / 4m	φ 70mm / 1m	φ 5mm / 110mm
Supply voltage	DC10 to 30V Including ripple (P-P) 10%			
Current consumption	Emitter : 20mA max.	25mA max.	30mA max.	25mA max.
	Receiver : 25mA max.			
Response time	500μs max.			
Control output	NPN/PNP Open collector 100mA max. / DC30V max. (Residual voltage 1.8V max.)			
Operation mode	Light ON, Dark ON Selectable by control wire			
Sensitivity adjustment	1 turn volume			
Indicator	Output indicator (Orange LED) / Stability indicator (Green LED)			
Vibration Resistance	10 to 100 Hz; max.1.5mm (p-p), max.150m/s ² , 8 hours in each of the X, Y, and Z directions			
Shock Resistance	Approximately 50G, 3 times in each of the X, Y, and Z directions			
Ambient temp. /humidity	-25 to 55℃ /35 to 85%RH (No condensation or freezing)			
Storage temp. /humidity	-30 to 70℃ /35 to 95%RH (No condensation or freezing)			
Applicable regulations/standards	EMC Directive (2014/30/EU) / IEC 60947-5-2 : 2007/A1 : 2012			
Protection category/Material	IEC 60529 : IP67 / Case : Brass Ni plated, Front Cover : PMMA			

*1 • Retro Reflective type : Reflector V-61

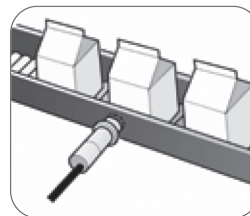
• Diffuse Reflective type : White paper 90% 200x200mm

• Limited Range type : White paper 90% 100x100mm

Application



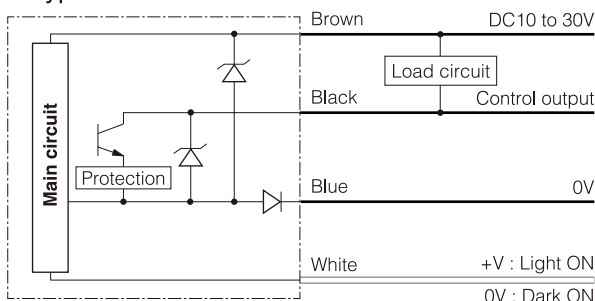
Positioning of
wooden plate



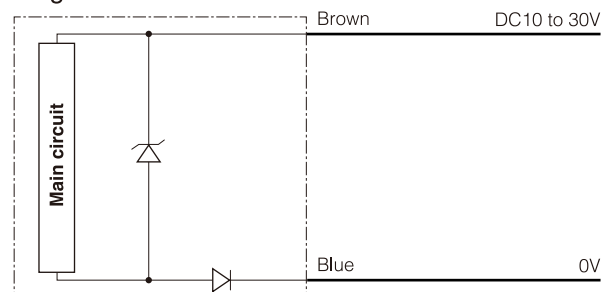
Counting food
packages

การต่อใช้งาน

NPN type

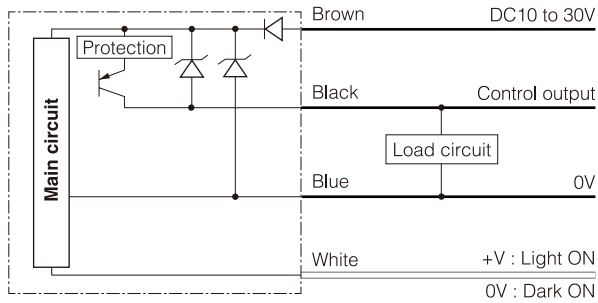


Through Beam Emitter



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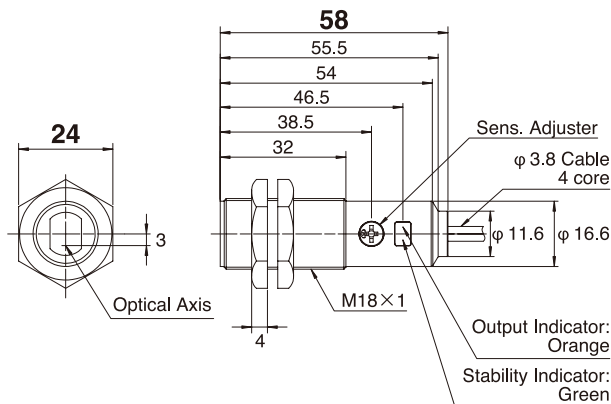
PNP type



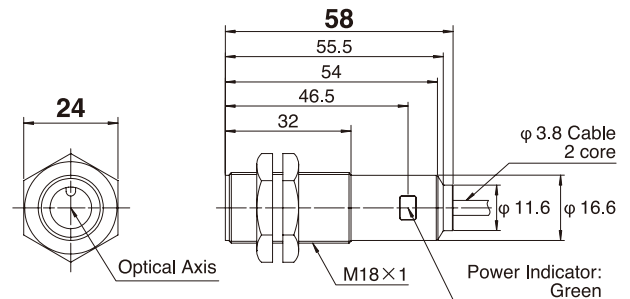
- Specifications are subject to change without prior notice.
- Specifications and technical information not mentioned here are written in Instruction Manual. Or visit our website for details.
- All the warnings and cautions to know prior to use are given in Instruction Manual.

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Retro Reflective, Diffuse Reflective, Limited Range



Through Beam (Emitter)



Through Beam (Receiver)

