



## CX SERIES M18 BARREL TYPE DC

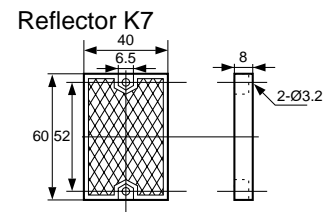
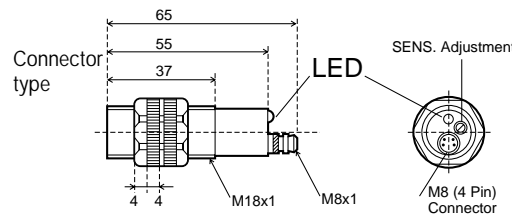
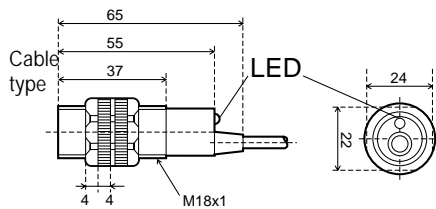
- Short body
- Flat lens
- Easy mounting
- Housing sealed to IP66
- LED indication
- Plug in types available (J- suffix)

### GENERAL SPECIFICATIONS

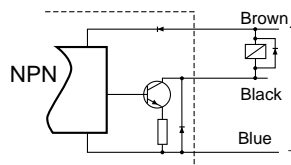
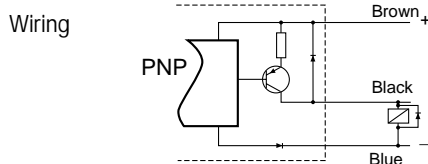
Type No.	CXM2RD	CXR01	CXR03V	<ul style="list-style-type: none"> <li>• Power Supply: 12 - 24VDC <math>\pm</math>10%</li> <li>• Control output: PNP or NPN, 100 mA at max 30VDC short circuit protected</li> <li>• Response time: 0.35mS max</li> <li>• Ambient light: max 10000 lux</li> <li>• Indication: Red LED when output is activated</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature range: -25°C to + 55°C</li> <li>• Housing: Polycarbonate sealed to IP66</li> <li>• Connection: 3 x 0.2mm<sup>2</sup> flying lead length 2m or connector (-J version)</li> </ul>
Function	Polarised Retro Reflective	Diffuse	Diffuse Adjustable		
Range	2m*	100mm**	300mm***		
Current	NPN 18 mA	17 mA	20 mA		
Consumption	PNP 24 mA	23 mA	26 mA		
Operating Mode	Dark on	Light on			
Light Source Wavelength	Red LED 700nm	Infrared LED 950nm			
Material	Lens: Acrylic Body: Polycarbonate	Body + Lens Polycarbonate			

\* With included K7 reflector. \*\* Using 50x50mm white paper, range will vary depending on target size and surface.  
\*\*\* Using 100x100mm white paper, range will vary depending on target size and surface.

### DIMENSIONS



### ELECTRICAL CONNECTIONS



Pin/Wire Colour	
1/ brown	12 to 24VDC
2/ white	
3/ blue	0V
4/ black	Output

If the load is inductive (relay coil, solenoid) or if there are inductive loads in parallel with the load, connect a diode (IN4002) in parallel with the coil

### ORDERING GUIDE

Type No.	Description	Output	Range	Type No.	Description	Output	Range
CXM2RD-NPN	Retro-reflective 2m cable	NPN	2m	CXR01-PNP-J	Diffuse M8 Connector	PNP	100mm
CXM2RD-PNP	Retro-reflective 2m cable	PNP	2m	CXR03V-NPN	Diffuse 2m cable adjustable	NPN	300mm
CXM2RD-NPN-J	Retro-reflective M8 Connector	NPN	2m	CXR03V-PNP	Diffuse 2m cable adjustable	PNP	300mm
CXM2RD-PNP-J	Retro-reflective M8 Connector	PNP	2m	CXR03V-NPN-J	Diffuse M8 Connector adjustable	NPN	300mm
CXR01-NPN	Diffuse 2m cable	NPN	100mm	CXR03V-PNP-J	Diffuse M8 Connector adjustable	PNP	300mm
CXR01-PNP	Diffuse 2m cable	PNP	100mm	K7	Reflector (Included with Retro-reflective sensor)		
CXR01-NPN-J	Diffuse M8 Connector	NPN	100mm				
CXR01-NPN-J	Diffuse M8 Connector	NPN	100mm				