


Data sheet

Sensing type	Retroreflective type(standard type)
Sensing distance	5m(MS-2)
Sensing target	Opaque material of min. Ø60mm
Light source	Infrared LED(850nm)
Response time	Max. 20ms
Power supply	24-240VAC~ ±10% 50/60Hz, 24-240VDC $\overline{\sim}$ ±10%(ripple P-P: max. 10%)
Current consumption	Max. 4VA
Sensitivity adjustment	Sensitivity adjuster
Operation mode	Light ON/Dark ON(set by switch)
Control output	Relay
Connection type	Cable type(Ø5, 2m)
Environment_Ambient illumination	Sunlight: Max. 11,000lx, Incandescent lamp: Max. 3,000lx (received illumination)
Environment_Ambient temperature	-20 to 65°C, storage: -25 to 70°C
Protection structure	IP50
Approval	
Environment_Ambient humidity	35 to 85% RH, storage: 35 to 85% RH
Material	Case, Case cover: Heat resistant Acrylonitrile butadiene styrene, Sensing part: Polycarbonate(with polarizing filter: polymethyl methacrylate), Bracket: Steel Plate cold commercial, Bolt: steel chromium molybdenum, Nut: steel chromium molybden
Accessories_Individual	Reflector(MS-2)
Accessories_Common	Adjuster driver, Fixing bracket, Bolts, Nuts
Weight	Approx. 208g

※The sensing distance is specified with using the MS-2 reflector and the same as the MS-4 reflector. Sensing distance is the setting range of the reflector. The sensor can detect under 0.1m. When using reflective tapes, the reflectivity will vary by the size of the tape. Please refer to the “ Reflectivity By Reflective Tape Model” table before using the tapes.

※The weight includes packaging. The weight in parenthesis is for unit only.

※The temperature or humidity mentioned in Environment indicates a non freezing or condensation.