

# Data sheet

Sensing type	Through-beam type(direct beam)
Sensing distance	0.1 to 5m
Light source	Infrared LED(850nm modulated)
Optical axis pitch	20mm
Number of optical axes	8
Sensing height/Total length	140/190mm
Power supply	12-24VDC $\pm 10\%$ (ripple P-P: max. 10%)
Control output	NPN open collector
Operation mode	Light ON/Dark ON(set by switch)
Environment_Ambient illumination	Sunlight: Max. 10,000lx(receiver illumination)
Environment_Ambient temperature	-10 to 55°C, storage: -20 to 60°C
Connection type	Cable type(Ø3.5, 3m)
Protection structure	IP40
Environment_Ambient humidity	35 to 85% RH, storage: 35 to 85% RH
Min. sensing target	Opaque material of min. Ø30mm
Response time	Max. 6ms(frequency B selection is max. 7ms)
Material	Case: Polycarbonate/Acrylonitrile butadiene styrene, Sensing part: Polymethyl methacrylate
Cable specification	Ø3.5mm, 4-wire, 3m(emitter: Ø3.5mm, 4-wire, 3m) (AWG 24, core diameter: 0.08mm, number of cores: 40, insulator out diameter: Ø1mm)
Weight	Approx. 480g(approx. 280g)

※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.