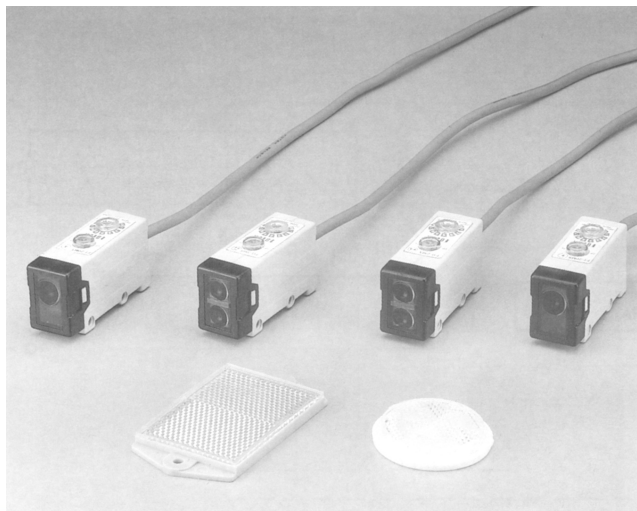


F series

STANDARD TYPE PHOTO SENSOR

- ※ Operating Voltage : 11~30VDC
- ※ NPN & PNP Two Output ,
NO / NC Changeable .
- ※ Polarity Reversed Protection Circuit .
- ※ Vertical & Horizontal Sensing
Direction Are Available .
Protected By Short Circuit &
- ※ Long Sensing Distance
Reflex Type : 2M
Mirror Reflex Type : 4M
Thru Beam Type : 20M



General Specification

Specification	Data
Operating Voltage	10~30 VDC ; Ripple < 20% of Peak to Peak
Output Method	NPN & PNP Two Output
Output Status	NO < Normal Open > , NC Type Available Also
Output Current	150mA max.
Protection Circuit	Short Circuit & Polarity Reversed Protection
Residual Voltage	0.8V max.
Leakage Current	0.8mA max.
Sensitivity Adjuster	270° Trimmer
Response Time	2ms Max.
Hysteresis	10% of Sensing Distance Max.
Emitter	Infrared LED
Illumination	Sunlight < 50,000 Lux. ; Lamplight < 10,000 Lux.
Connection Method	4 Cores / 5.0φ X 2m
Housing Material	Intensive PBT
Operating Temp./Hum.	-20°C~+60°C ; 35%~85% RH
Protection Class	IP-65
Output Circuit & Connection Diagram	

F series

Specification

Reflex Type	FR-1MX	FR-1MX-V	FR-2MX	FR-2MX-V
Sensing Direction	Horizontal	Vertical	Horizontal	Vertical
Sensing Distance	1m		2m	
Current Consumption	20mA max.		35mA max.	
Weight	Appr. 105g	Appr. 120g	Appr. 105g	Appr. 125g
Mirror Reflex Type	FG-3MX		FG-3MX-V	
Sensing Direction	Horizontal		Vertical	
Sensing Distance	4m			
Current Consumption	20mA max.			
Weight	Appr. 105g		Appr. 120g	
Thru Beam Type	FT-10MX	FT-10MX-V	FT-20MX	FT-20MX-V
Sensing Direction	Horizontal	Vertical	Horizontal	Vertical
Sensing Distance	10m		20m	
Current Consumption	Emitter < 30mA ; Receiver < 20mA			
Weight	Appr. 210g	Appr. 240g	Appr. 210g	Appr. 240g

Dimension

FR • FG Removable adjuster's cap LED Bracket Cable 5#X2M Bracket or rail fixed claw Fixed hole 4.2#-2 Bracket 4.2	FR-V • FG-V Removable adjuster's cap LED Bracket Cable 5#X2M Bracket or rail fixed claw Cable 5# x 2m	Mirror MR-1 Fixed Hole 4.2# X 2
FT Removable adjuster's cap LED Bracket Cable 5#X2M Bracket or rail fixed claw Cable 5# x 2m	FT-V Removable adjuster's cap LED Bracket Cable 5#X2M Bracket or rail fixed claw	