

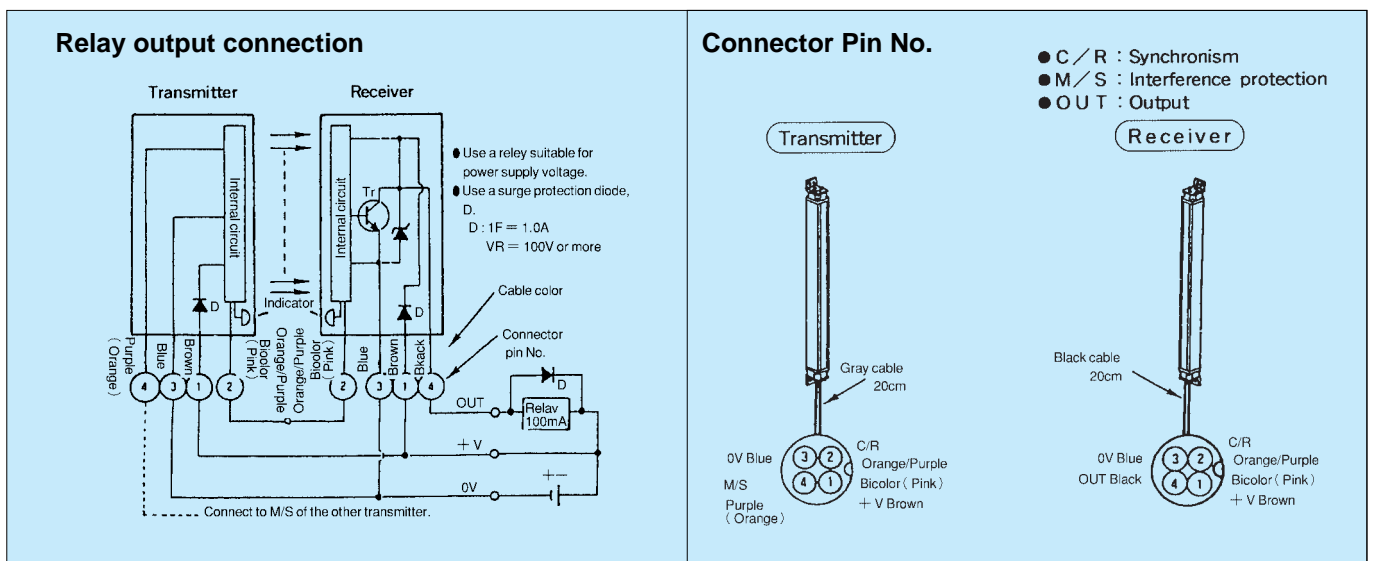
SS10 series

LIGHT CURTAIN SENSOR

- Suitable for detecting small objects.
- Optical axis pitch 10 mm
- Its anti mutual interference function enables easy installation.



OUTPUT CIRCUIT



SPECIFICATIONS

Model	SS10-T16	SS10-T24	SS10-T32	SS10-T48	SS10-T64	SS10-T80	SS10-T96	
Transmitter	SS10-TL16	SS10-TL24	SS10-TL32	SS10-TL48	SS10-TL64	SS10-TL80	SS10-TL96	
Receiver	SS10-TR16	SS10-TR24	SS10-TR32	SS10-TR48	SS10-TR64	SS10-TR80	SS10-TR96	
Detection	Through-beam							
Range	2m(Max.)							
Object resolution	17mm(Min.) Opaque object(Refer to the chart below right)							
No. of optical axis	16	24	32	48	64	80	96	
Detecting width	150mm	230mm	310mm	470mm	630mm	790mm	950mm	
Optical axis pitch	10mm							
Power supply	12 - 24V DC \pm 10%、Ripple 10%(Max.)							
Current consumption(Max.)	90mA	103mA	116mA	142mA	168mA	194mA	220mA	
Output mode	NPN Open collector							
Rating	Current Output : Sink current 100mA, DC30V(Max.)							
Operating mode	A/O Operating, M/S(For preventing interference when installing in parallel) (Built-in the selectable switch)							
Response time	30msec(Max.)							
Light source	Infrared LED, Wave - length 860nm							
Sensing cell	Photo - Transistor							
LED indicator	Transmitter : M/S indicator(Red LED) Power indicator(Green LED) Receiver : Stability indicator(Green LED) Operation indicator(Red LED)							
Incidental Function	Built-in Output short circuit protection, discontinuity of transfer line protection and function preventing interference when installing in parallel. (2)							
Switch	Trns. : Built-in M/S operation selectable switch(M side ... Master Operation, S side ... Sleeve operation) ...Lid on the back side Rcvr. : Built-in A/O operation selectable switch(A side...On operation when all light axis lights on, O side ON operation when one light axis lights on) ...Lid on the back side							
Material	Case : Aluminum, Front cover and Lens : Acrylic							
Connection	Connector 0.5sq \times 4, Outer dia. 6.8, 0.2m Length, With 4 pins in the connector ()							
Weight (Max.)	Each Trns. & Rcvr.	250	300	350	450	550	650	750

- 1 All models has a PNP output type.
- 2 Short Circuit Protection : When the short circuit protection operates, the output is OFF. Switch on the power supply again after checking.

ENVIRONMENT

Ambient light	Withstands 9,000 lx
Operating temp.	- 10 ~ + 55
Humidity	35 ~ 85%RH
Case protection	IP66(IEC)
Vibration	10 ~ 55Hz, 1.5mm Amplitude 2 Hr., 3 Directions

