

SS10 series

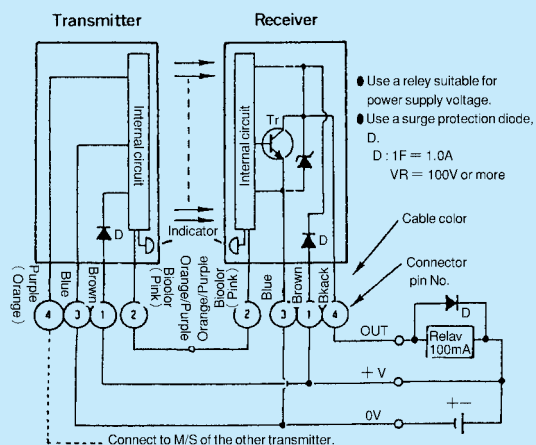
LIGHT CURTAIN SENSOR

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



■ OUTPUT CIRCUIT

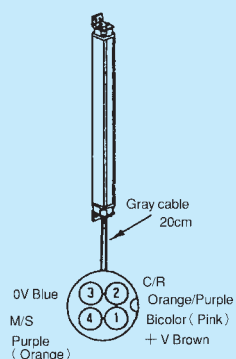
Relay output connection



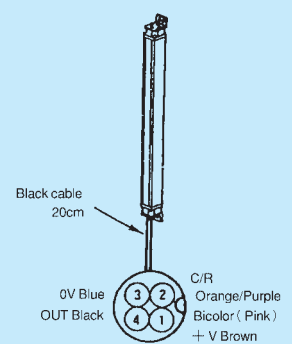
Connector Pin No.

- C/R : Synchronism
- M/S : Interference protection
- OUT : Output

Transmitter



Receiver



■ SPECIFICATIONS

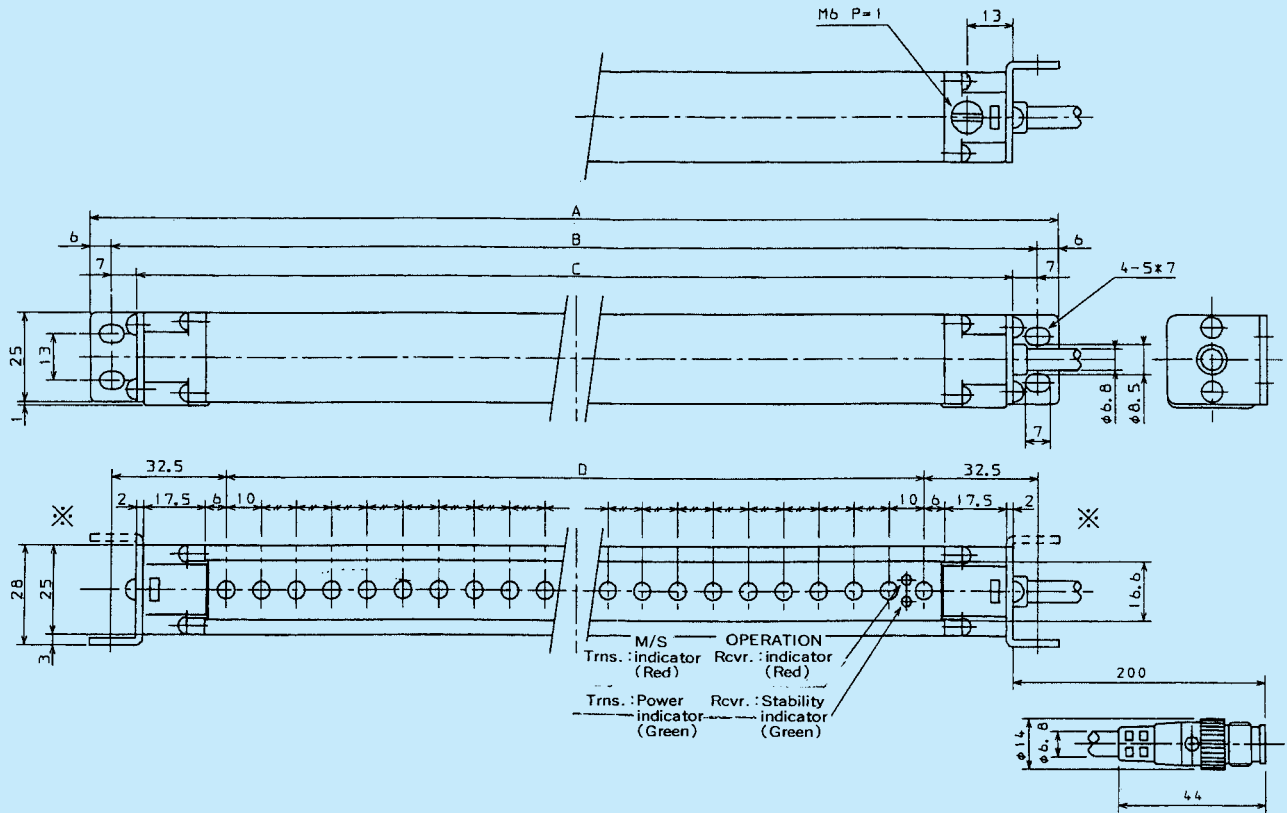
Model		SS10-T16	SS10-T24	SS10-T32	SS10-T48	SS10-T64	SS10-T80	SS10-T96
	Transmitter	SS10-TL16	SS10-TL24	SS10-TL32	SS10-TL48	SS10-TL64	SS10-TL80	SS10-TL96
	Receiver	SS10-TR16	SS10-TR24	SS10-TR32	SS10-TR48	SS10-TR64	SS10-TR80	SS10-TR96
Detection		Through-beam						
Range		2m(Max.)						
Object resolution		φ 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 ± 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 Lends : Acrylic						
Connection		Connector 0.5sq × 4, Outer dia. φ 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

■ DIMENSIONS



■ Indicator Operation

	Appellation	Color	Contents
Transmitter	Power indicator	Green	It lights when switching on power supply.
	M/S indicator	Red	It lights when operating Master. It extinguishes when operating Sleeve.
Receiver	Stability indicator	Green	It lights when the received light quality is higher than operation level. (20%)
	Operation indicator	Red	It lights when the transistor outputs. A operation : The transistor outputs when all light axis lights on. O operation : The transistor outputs when one light axis lights on.

MODEL	A	B	C	D
SS10-T16	227	215	197	150
SS10-T24	307	295	277	230
SS10-T32	387	375	357	310
SS10-T40	467	455	437	390
SS10-T48	547	535	517	470
SS10-T56	627	615	597	550
SS10-T64	707	695	677	630
SS10-T72	787	775	757	710
SS10-T80	867	855	837	790
SS10-T88	947	935	917	870
SS10-T96	1027	1015	997	950