




- Long detecting distance of 10 m
(Detecting distance up to 15 with HP type)
- UL Standard-compliant
(E-94173)
- Light axis interval 40 mm
 - Generic type offers excellent cost performance

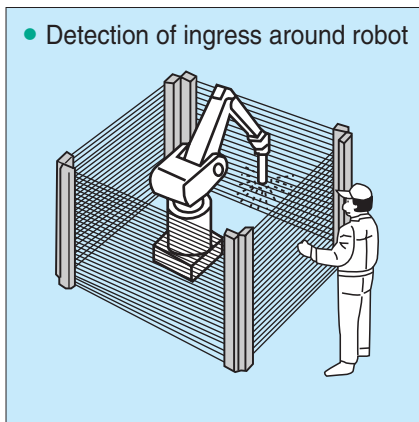
Type

Series name	Detection method	Detecting distance	Light axis interval	No. of light axes	Detecting width	Set model No.	Operation mode	Output mode
SST100 	 Through-beam type	 10m	40mm	4	120mm	SST104	Light-ON/Dark-ON selectable	Current output
				8	280mm	SST108		
				12	440mm	SST112		
				16	600mm	SST116		
				20	760mm	SST120		
				24	920mm	SST124		Voltage output

Cords with connector come as accessories.

Sample Application

- Detection of ingress around robot



Rating/Performance/Specification

Rating/performance	Series name	SST100シリーズ			
	Detection method	Through-beam type			
	Detecting distance	10m max. (*1)			
	Detecting object	Opaque object of ϕ 60 mm min.			
	No. of light axes	(See "Type.")			
	Detecting width	(See "Type.")			
	Light axis interval	40mm			
	Power supply	12-24V DC \pm 10% / Ripple 10% or less			
	Current consumption	100mA max.			
	Output mode	Current output Voltage output	Rating	Current output: sink current 100 mA (30 VDC) max. Voltage output: output impedance 4.7 k Ω	
Operation mode	Light-ON/Dark-ON selectable (with switch)				
Response time	15ms max.				
Specification	Light source (wavelength)	Infrared LED(900nm)			
	Light-sensitive element	Photo transistor			
	Indicator	Transmitter: Power indicator (green LED) / Receiver: Operation indicator (red LED)			
	Switch (SW)	Light-ON/Dark-ON selector switch provided (Remove the screwed lid on the back of the receiver and set the mode with SW 1 and 2.)			
		(Dark-ON) SW1.....ON SW2.....ON	(Light-ON) SW1.....OFF SW2.....ON	(All axes reception ON) SW1.....ON SW2.....OFF	(All axes blocking ON) SW1.....OFF SW2.....OFF
	Material	Case: aluminum / Lens: plastic			
	Connection	Connector connection Transmitter: 3-pin Receiver: 4-pin	Cord with connector Transmitter: VCT with three 0.75 mm ² cores/ 5 m Receiver: VCT with four 0.5 mm ² cores/ 5 m		
Mass	About 350-1,000 g max. (transmitter/receiver)				
Notes	(*1) High-powered types (with detecting distance of 15 m) are also available, for which "-HP" is added at the end of the set model numbers.				

Dimensions (in mm) (Only receiver is shown in the figure as an example.)

SST100 series

CAD

● Dimensions of portions

Model	Section lengths				No. of light axes
	A	B	C	D	
SST104	223mm	209mm	186mm	120mm	4
SST108	383mm	369mm	346mm	280mm	8
SST112	543mm	529mm	506mm	440mm	12
SST116	703mm	689mm	666mm	600mm	16
SST120	863mm	849mm	826mm	760mm	20
SST124	1023mm	1009mm	986mm	920mm	24

(Only receiver is shown in the figure as an example.
With transmitter, orientation of mounting bracket is reversed.)