

- 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

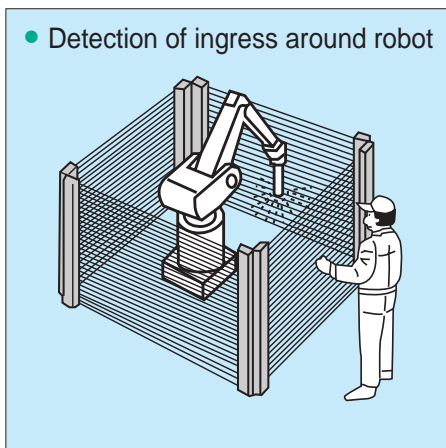
### Type

Series name	Detection method	Detecting distance	Light axis interval	No. of light axes	Detecting width	Set model No.	Operation mode	Output mode
<b>SST100</b> 	 Through-beam type	10m	40mm	4	120mm	<b>SST104</b>	Light-ON/Dark-ON selectable	Current output
				8	280mm	<b>SST108</b>		
				12	440mm	<b>SST112</b>		
				16	600mm	<b>SST116</b>		
				20	760mm	<b>SST120</b>		
				24	920mm	<b>SST124</b>		
								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 $\phi$ 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 $\Omega$		
	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 <sup>2</sup> cores/ 5 m Receiver: VCT with four 0.5 mm <sup>2</sup> 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.)

