

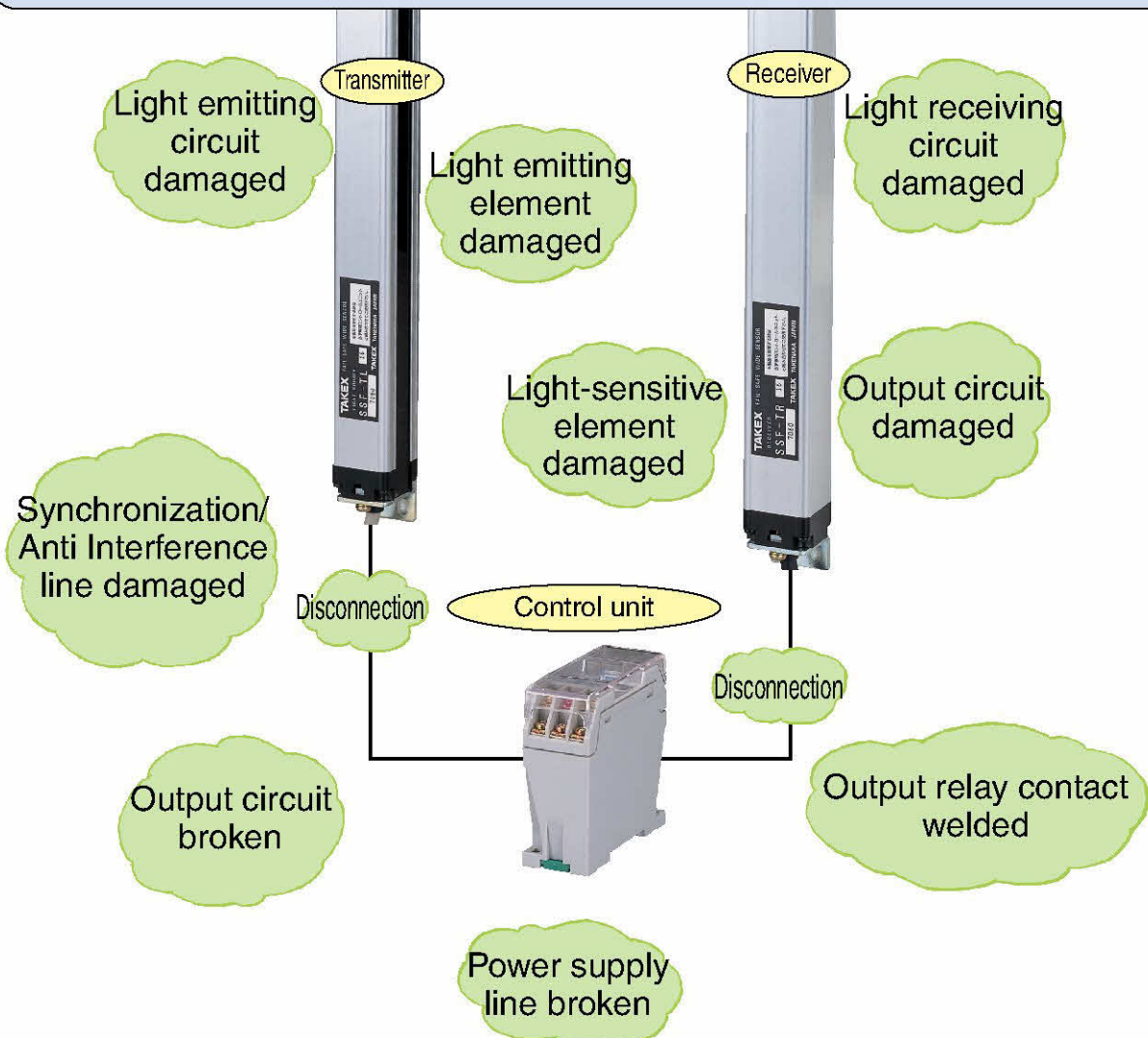
# SSF series

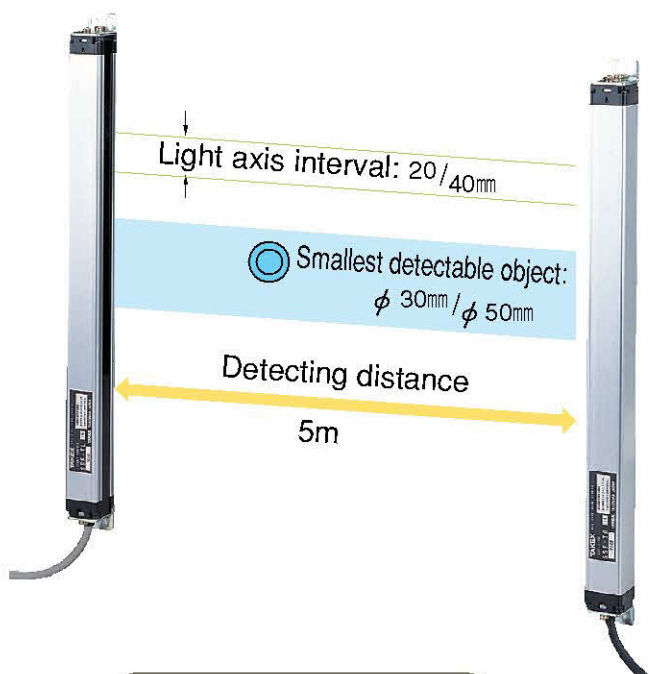
Fail-safe  
light curtain sensors



- Safety ensured in the unlikely event of failure  
————— Fail-safe feature
- Enhanced safety with high performance and user-friendliness  
————— Multifunctional
- 20- and 40-mm light axis intervals available  
————— Wide variation

Output relay turns OFF (safe side) when failure occurs





### Light axis alignment indicator for ease of use



Light axis alignment indicator lamps for the top (H) and bottom (L) light axes are provided at the center of the receiver for assistance with light axis adjustment and check.

### 2 sets of sensors mounted adjacently or face-to-face without interference

Anti Interference feature counteracts the installation restrictions and ensures reliability.

### Relay contacts used for all outputs for enhanced fail-safe feature

Contact relays are used for control and lockout outputs. Failure-safe is taken into consideration for failure mode as well.

### Easy maintenance thanks to robust and slim case provided with spatter-resistant plate

Robust aluminum drawn case is employed. Front cover that protects the lenses from scattered oil dust or spatters may be removed for cleaning and replacement.

### Fail-safe automatic sensitivity compensation feature provided

After the light axis alignment is completed, turn the power off once and back on. The automatic sensitivity compensation feature is enabled and the sensitivity is set at the optimum. If the lens is soiled with dirt or dust, the sensitivity is automatically compensated to achieve the optimum sensitivity after the soil is removed.

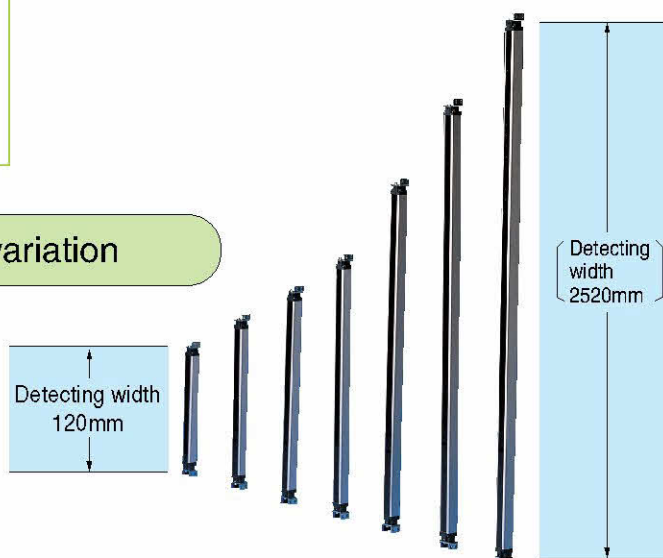
### CHECK switches provided for simple operation check



The CHECK switches on the control unit allow simple operation check and lockout release check.



### Wide variation

A wide range of sizes from 4 (120mm) to 64 axes (2520 mm) offered for various applications (compatible to supersized machines).



# SSF

## Type

Series name	Detecting distance	Detecting width	Set model No.	No. of light axes	Light axis interval	Detecting object
 <b>SSF-T200</b>	5m	140mm	<b>SSF-T8C</b>	8	20mm	Opaque object of $\phi$ 30 min
		300mm	<b>SSF-T16C</b>	16		
		460mm	<b>SSF-T24C</b>	24		
		620mm	<b>SSF-T32C</b>	32		
		780mm	<b>SSF-T40C</b>	40		
		940mm	<b>SSF-T48C</b>	48		
		1100mm	<b>SSF-T56C</b>	56		
		1260mm	<b>SSF-T64C</b>	64		
 <b>SSF-T400</b>	5m	120mm	<b>SSF-T404C</b>	4	40mm	Opaque object of $\phi$ 50 min
		280mm	<b>SSF-T408C</b>	8		
		440mm	<b>SSF-T412C</b>	12		
		600mm	<b>SSF-T416C</b>	16		
		760mm	<b>SSF-T420C</b>	20		
		920mm	<b>SSF-T424C</b>	24		
		1080mm	<b>SSF-T428C</b>	28		
		1240mm	<b>SSF-T432C</b>	32		

For prices of the individual transmitter, receiver and special control unit, see the Prize List at the end of the book.

### Set model description

Transmitter: SSF-TL  }  indicates the number of axes  
 Receiver: SSF-TR  }

Control unit: SSF-C

Cord with connector for transmitter: SS-H5L

Cord with connector for receiver: SS-H5R

- Products with countermeasures provided in the event of faulty operation due to spatter or arc light are available (SSF-T400 Series).

Transmitter: SSF-TL4  -HP

Receiver: SSF-TR4  A-HP

Set model: SSF-T4  AC-HP

### 2-output type

Products with two 1a contact outputs are available on request.

## Optional Parts

### Corner reflector

Deflects light at a corner.

Model	Applicable model (*)
SSM-F8N	SSF-T8
SSM-F16N	SSF-T16
SSM-F24N	SSF-T24
SSM-F32N	SSF-T32
SSM-F40N	SSF-T40
SSM-F48N	SSF-T48
SSM-F56N	SSF-T56
SSM-F64N	SSF-T64

(Note) The detecting distance will be reduced to 4m max.

\*May also be used for the SSF-T400 Series. Note the number of axes and the overall length of the reflector.

### Front cover

Model: SSF-K\*  indicates the number of axes (unified price for all models).

