

Focus on high-end quality

CE ISO9001:2015
RoHS IP65



Technology changes the future



GZ Cyndar Co., Ltd.

 **86-20-83717854**

E-mail:sale1@cyndar.net

WhatsApp: 86-1892215561 WeChat: 86-18922155361
For technology and purchase, please contact the phone number and email address (response within 12 hours)

CN:www.gzcyndar.cn EN:www.gzcyndar.com/www.cyndarsensor.com
Add: Room 301-260, Building 6, No. 18 Kelin Road, Tianhe District, Guangzhou

COMPREHENSIVE
CATALOG OF SENSORS
Safety light curtain

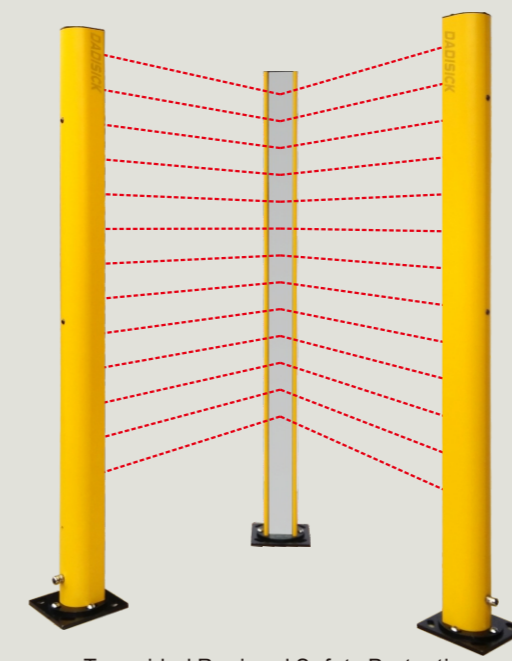
Safety light curtain/Safety laser scanner/safety mat/safety edge/safety relay/Photoelectric switch



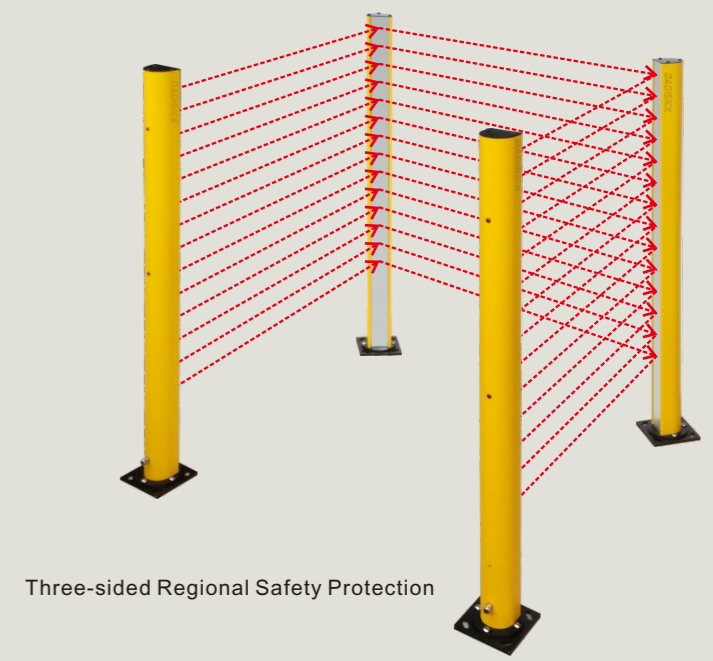
Model-CSAT Area protection safety grating

- Protected area up to 30 meters
- Ultra-fast response speed (less than 15ms)
- Can effectively shield 99% of interference signals
- Polarity, short circuit, overload protection, self-check

It is widely used in turret punch presses, assembly stations, packaging equipment, stackers, robot working areas and other regional surrounding and protection dangerous occasions.



Two-sided Regional Safety Protection



Three-sided Regional Safety Protection

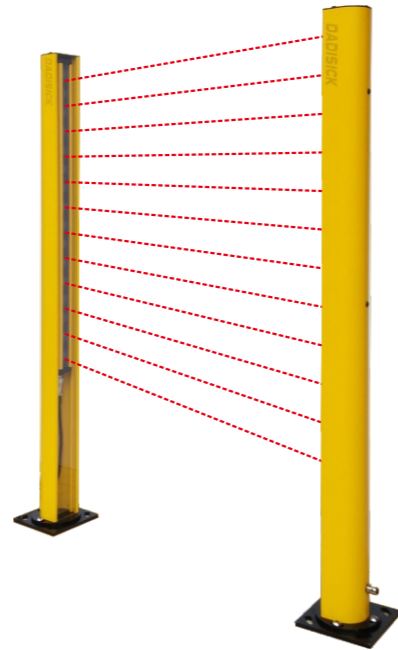
CSAT Series Area Safety Protection Light Curtain



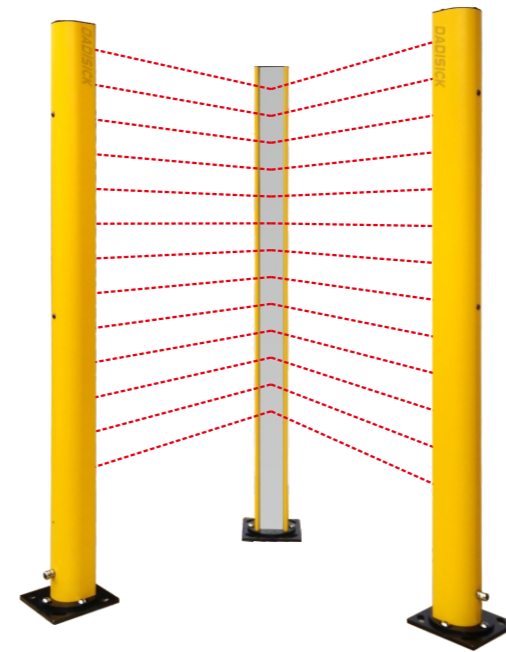
Built-in controller QSN (optional)



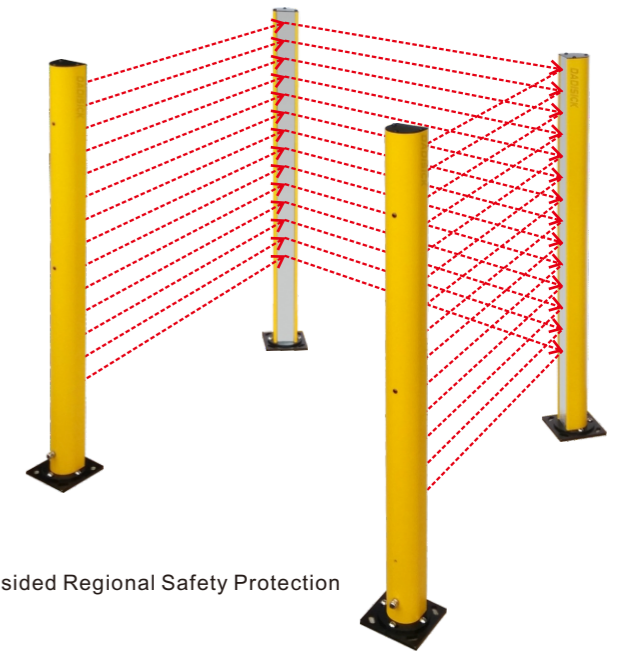
Safety relay module Tner-A31 (optional)



One-sided Long-distance Safety Protection



Two-sided Regional Safety Protection



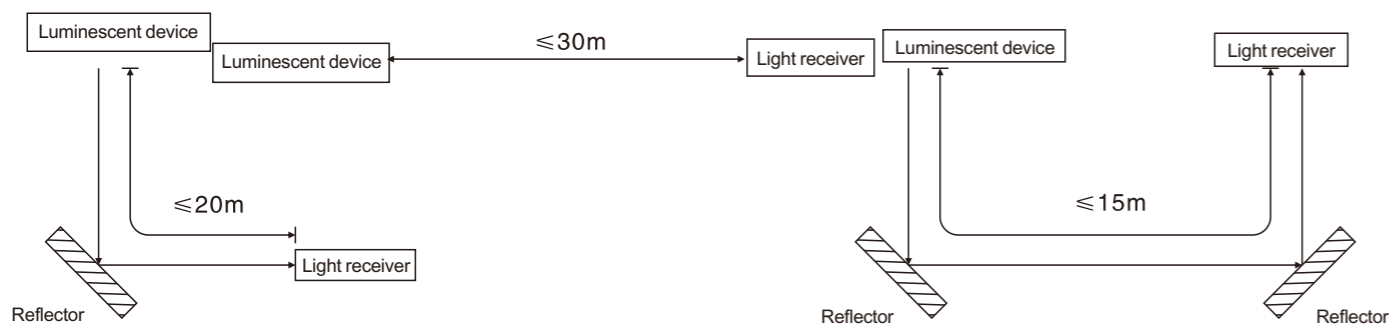
Three-sided Regional Safety Protection

CSAT series optoelectronic protective devices use mirrors to change the direction of light transmission and form two or three-sided protected areas.
 Light curtain form: regional protection
 Optical Axis Spacing: 40mm, 80mm
 Protective distance: 2 planes $\leq 20000\text{mm}$, 3 planes $\leq 15000\text{mm}$
 Protective Height: 120-1240mm for Conventional Products



External Controller QSW

Product composition:
 2-side protection: 1 light-emitting device, 1 reflector, 1 light-receiving device, 1 controller, 2 signal cables and 1 set of accessories.
 3-sided protection: 1 light-emitting device, 2 mirrors, 1 light-receiving device, 1 controller, 2 signal cables and 1 set of accessories.



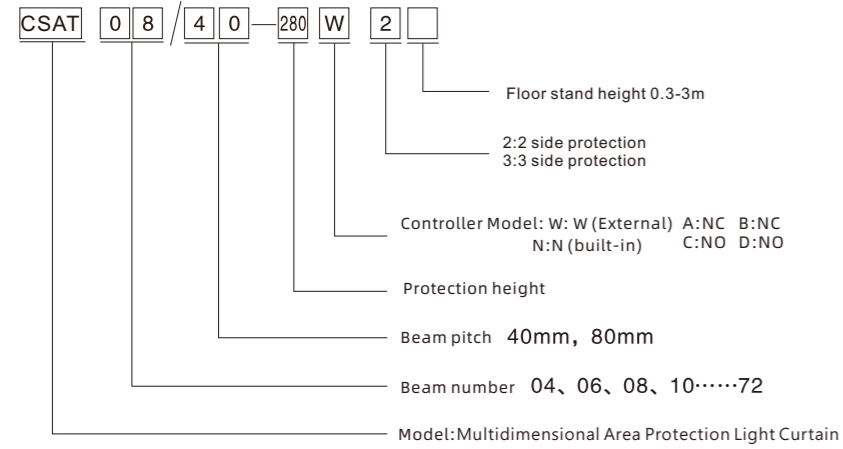
◆ Application area

Turret punch press	Assembly station	Logistics processing area	Packaging equipment
Code stacking machine	Automatic production equipment	Robot working area	Peripheral protection of other dangerous areas

◆ Product characteristics

- ★ Perfect self-check function: When the safety screen protector fails, ensure that the wrong signal is not sent to the controlled electrical appliances.
- ★ Strong anti-interference ability: The system has good anti-interference ability to electromagnetic signal, stroboscopic light, welding arc and surrounding light source;
- ★ Easy installation and debugging, simple wiring, beautiful appearance;
- ★ Surface mounting technology is adopted, which has superior seismic performance.
- ★ It conforms to IEC61496-1/2 standard safety grade and TUV CE certification.
- ★ The corresponding time is short ($\leq 15\text{ms}$), and the safety and reliability performance is high.
- ★ The safety sensor can be connected to the cable line (M12) through an aviation socket, because of its simple structure and convenient wiring.
- ★ All electronic components adopt world-renowned brand accessories.
- ★ Double NPN or PNP output can be provided. At this time, users should ensure that the follow-up control circuit of mechanical equipment is safe and reliable.

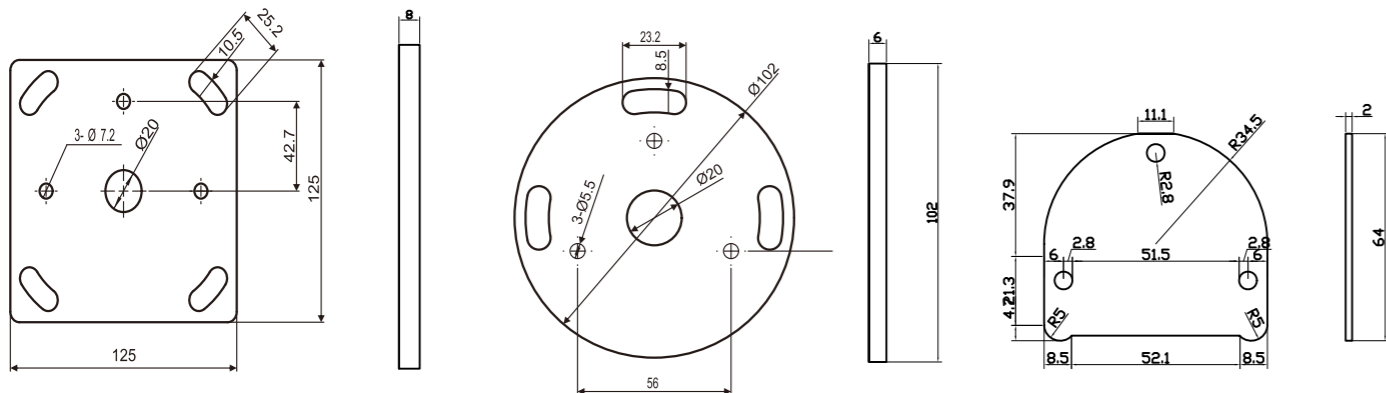
◆ Specification



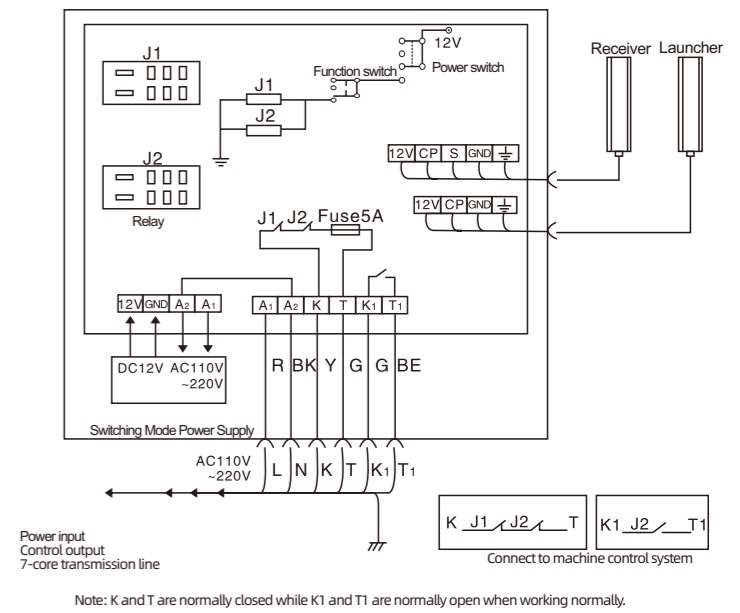
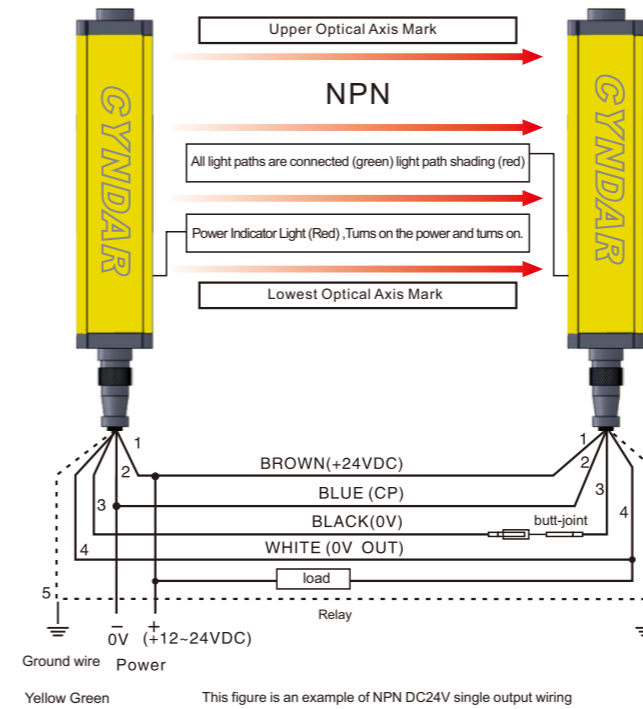
◆ Technical parameters of products

Working power supply	AC220V/110V ± % 50/60Hz 或 DC24V
Output Contact Capacity	AC250V5A
Power waste	≤ 15W
Applicable temperature	-10℃~50℃
Ambient temperature	20℃, RH≤85%
Response Time	<15ms (Containing controller)
Insulation Resistance	>100MΩ
Dielectric strength	AC150V, 60s
Anti light interference	10000Lux(入射角Incidence angle ≥ 5°)
Relay life	≥ 100万次 (可更换) 1 million times (replaceable)
Height of protection	H=光轴间距Beam pitch X (光束数Beam number-1)
Beam pitch	40mm, 80mm
Protection distance	2面sides≤20000mm, 3面sides≤15000mm

◆ Outline size



◆ Wiring diagram



◆ List of specifications

Beam pitch	Light beam	Protection height	Screen height	Product model	Screen height
40mm (K)	4	120	201	CSAT04/40-120	351
	6	200	281	CSAT06/40-120	431
	8	280	361	CSAT08/40-120	511
	10	360	441	CSAT10/40-120	591
	12	440	521	CSAT12/40-120	671
	14	520	601	CSAT14/40-120	751
	16	600	681	CSAT16/40-120	831
	18	680	761	CSAT18/40-120	911
	20	760	841	CSAT20/40-120	991
	22	840	921	CSAT22/40-120	1071
	24	920	1001	CSAT24/40-120	1151
	26	1000	1081	CSAT26/40-120	1231
	28	1080	1161	CSAT28/40-120	1311
	30	1160	1241	CSAT30/40-120	1391
	32	1240	1321	CSAT32/40-120	1471
	80mm (K)	4	240	341	CSAT04/80-240
6		400	501	CSAT06/80-400	651
8		560	661	CSAT08/80-560	811
10		720	821	CSAT10/80-720	971
12		880	981	CSAT12/80-880	1131
14		1040	1141	CSAT14/80-1040	1291
16		1200	1301	CSAT16/80-1200	1451
18		1360	1461	CSAT18/80-1360	1611
20		1520	1621	CSAT20/80-1520	1771
22		1680	1781	CSAT22/80-1680	1931
24		1840	1941	CSAT24/80-1840	2091
26		2000	2101	CSAT26/80-2000	2251
28		2160	2261	CSAT28/80-2160	2411
30		2320	2421	CSAT30/40-2320	2571
32		2480	2581	CSAT32/40-2480	2731

Note: If other specifications are needed, the ground support can be referred to the specifications of each series.