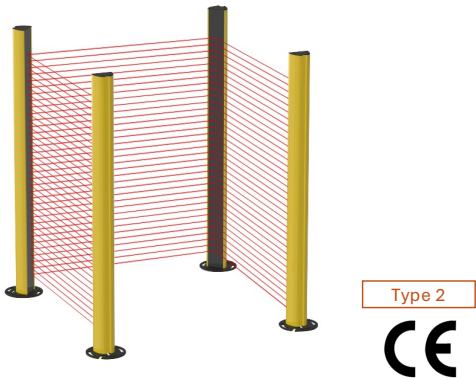


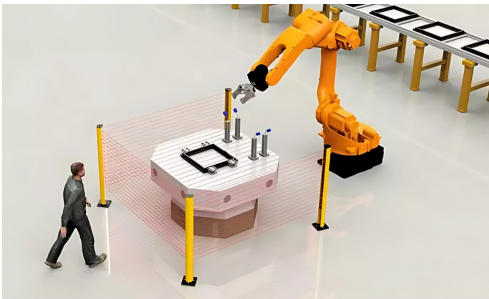
Area Coverage Safety Light Curtain

[GY Series]

- 0.1 to 30 m detecting distance
- 10 / 20 / 40 mm pitch axes
- IP65 enclosure rating
- NPN / PNP output selectable

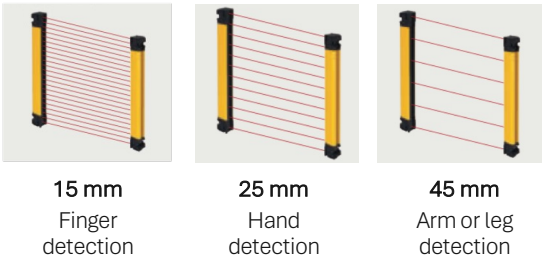


Protect dedicated danger zone

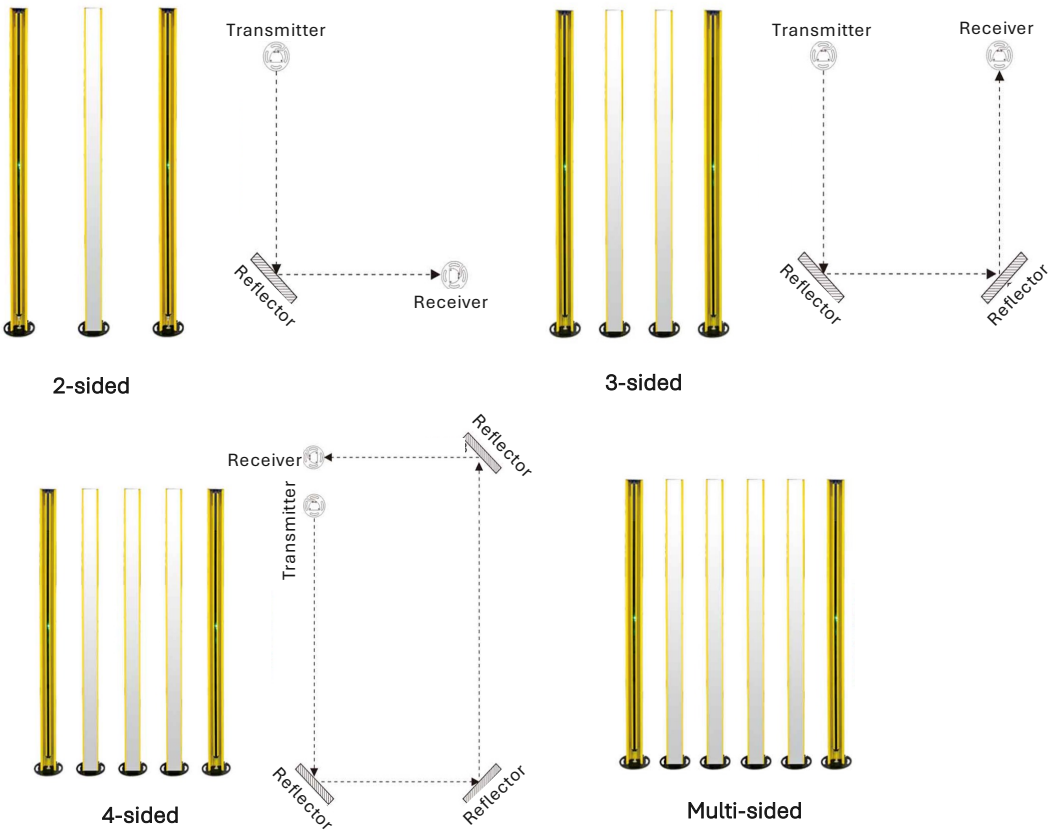


Various detection capability

The safety curtain boasts an impressive range of detection capabilities, available in 15 mm, 25 mm, and 45 mm, ensuring unparalleled precision and adaptability for any application.



Easy and flexible configurations



Ordering guide

GZXX-YY-Z

XX	Pitch axes
YY	Total length
Z	Wiring method
	M = Dual output signal

10 mm pitch

Model		No. of axes	Detection area (mm)	Total length (mm)	Pitch axes (mm)
NPN	PNP				
GY10-N32	GY10-P32	32	310	490	10
GY10-N36	GY10-P36	36	350	530	
GY10-N40	GY10-P40	40	390	570	
GY10-N44	GY10-P44	44	430	610	
GY10-N48	GY10-P48	48	470	650	
GY10-N52	GY10-P52	52	510	690	
GY10-N56	GY10-P56	56	550	730	
GY10-N60	GY10-P60	60	590	770	
GY10-N64	GY10-P64	64	630	810	
GY10-N68	GY10-P68	68	670	850	
GY10-N72	GY10-P72	72	710	890	
GY10-N76	GY10-P76	76	750	930	
GY10-N80	GY10-P80	80	790	970	
GY10-N84	GY10-P84	84	830	1010	
GY10-N88	GY10-P88	88	870	1050	
GY10-N92	GY10-P92	92	910	1090	
GY10-N96	GY10-P96	96	950	1130	
GY10-N100	GY10-P100	100	990	1170	
GY10-N104	GY10-P104	104	1030	1210	
GY10-N108	GY10-P108	108	1070	1250	
GY10-N112	GY10-P112	112	1110	1290	
GY10-N116	GY10-P116	116	1150	1330	
GY10-N120	GY10-P120	120	1190	1370	
GY10-N124	GY10-P124	124	1230	1410	
GY10-N128	GY10-P128	128	1270	1450	
GY10-N132	GY10-P132	132	1310	1490	
GY10-N136	GY10-P136	136	1350	1530	
GY10-N140	GY10-P140	140	1390	1570	
GY10-N144	GY10-P144	144	1430	1610	
GY10-N148	GY10-P148	148	1470	1650	
GY10-N152	GY10-P152	152	1510	1690	
GY10-N156	GY10-P156	156	1550	1730	
GY10-N160	GY10-P160	160	1590	1770	
GY10-N164	GY10-P164	164	1630	1810	
GY10-N168	GY10-P168	168	1670	1850	
GY10-N172	GY10-P172	172	1710	1890	
GY10-N176	GY10-P176	176	1750	1930	

20 mm pitch

Model		No. of axes	Detection area (mm)	Total length (mm)	Pitch axes (mm)
NPN	PNP				
GY20-N16	GY20-P16	16	300	490	20
GY20-N18	GY20-P18	18	340	530	
GY20-N20	GY20-P20	20	380	570	
GY20-N22	GY20-P22	22	420	610	
GY20-N24	GY20-P24	24	460	650	
GY20-N26	GY20-P26	26	500	690	
GY20-N28	GY20-P28	28	540	730	
GY20-N30	GY20-P30	30	580	770	
GY20-N32	GY20-P32	32	620	810	
GY20-N34	GY20-P34	34	660	850	
GY20-N36	GY20-P36	36	700	890	
GY20-N38	GY20-P38	38	740	930	
GY20-N40	GY20-P40	40	780	970	
GY20-N42	GY20-P42	42	820	1010	
GY20-N44	GY20-P44	44	860	1050	
GY20-N46	GY20-P46	46	900	1090	
GY20-N48	GY20-P48	48	940	1130	
GY20-N50	GY20-P50	50	980	1170	
GY20-N52	GY20-P52	52	1020	1210	
GY20-N54	GY20-P54	54	1060	1250	
GY20-N56	GY20-P56	56	1100	1290	
GY20-N58	GY20-P58	58	1140	1330	
GY20-N60	GY20-P60	60	1180	1370	
GY20-N62	GY20-P62	62	1220	1410	
GY20-N64	GY20-P64	64	1260	1450	
GY20-N66	GY20-P66	66	1300	1490	
GY20-N68	GY20-P68	68	1340	1530	
GY20-N70	GY20-P70	70	1380	1570	

Overview

Code Reader

Handheld Reader

Vision Sensor

Vision System

Fiberoptic Sensor

Photoelectric Sensor

RGB Colour Sensor

Proximity Sensor

Ultrasonic Sensor

Safety Curtain

Ionizer

GY Series Area Coverage Safety Light Curtain

Model		No. of axes	Detection area (mm)	Total length (mm)	Pitch axes (mm)
NPN	PNP				
GY20-N72	GY20-P72	72	1420	1610	20
GY20-N74	GY20-P74	74	1460	1650	
GY20-N76	GY20-P76	76	1500	1690	
GY20-N78	GY20-P78	78	1540	1730	
GY20-N80	GY20-P80	80	1580	1770	
GY20-N82	GY20-P82	82	1620	1810	
GY20-N84	GY20-P84	84	1660	1850	
GY20-N86	GY20-P86	86	1700	1890	
GY20-N88	GY20-P88	88	1740	1930	

40 mm pitch

Model		No. of axes	Detection area (mm)	Total length (mm)	Pitch axes (mm)
NPN	PNP				
GY40-N8	GY40-P8	8	280	470	40
GY40-N10	GY40-P10	10	360	550	
GY40-N12	GY40-P12	12	440	630	
GY40-N14	GY40-P14	14	520	710	
GY40-N16	GY40-P16	16	600	790	
GY40-N18	GY40-P18	18	680	870	
GY40-N20	GY40-P20	20	760	950	
GY40-N22	GY40-P22	22	840	1030	
GY40-N24	GY40-P24	24	920	1110	
GY40-N26	GY40-P26	26	1000	1190	
GY40-N28	GY40-P28	28	1080	1270	
GY40-N30	GY40-P30	30	1160	1350	
GY40-N32	GY40-P32	32	1240	1430	
GY40-N34	GY40-P34	34	1320	1510	
GY40-N36	GY40-P36	36	1400	1590	
GY40-N38	GY40-P38	38	1480	1670	
GY40-N40	GY40-P40	40	1560	1750	
GY40-N42	GY40-P42	42	1640	1830	
GY40-N44	GY40-P44	44	1720	1910	

Specifications

Model		GY10	GY20	GY40
Operating	Pitch dimension	10 mm	20 mm	40 mm
	Detection capability	ø15, 25, 45 mm		
	Scanning range	0.1 to 30 m		
	Light source	Infrared LED		
	Response time	(No. of axes * 0.1 ms) + 0.4 ms		
OSSD operation		Turns on when no interruptions are present in the detection zone		
Connection cable length	Transmitter	2.5 m		
	Receiver	3.5 m		
Electrical data	Output	2 transistor outputs		
	Switching current	200 mA		
	Leakage current	Max. 1 mA		
	Residual voltage	Max. 1 V		
	Reverse polarity protection	Yes		
	Short circuit and overload protection	Yes		
	Enclosure rating	IP65		
Environment resistance	Ambient temperature	-10 to +55°C (No freezing)		
	Storage ambient temperature	-25 to +60°C (No freezing)		
	Relative humidity	20 to 85% RH (No condensation)		
	Storage humidity	20 to 85% RH (No condensation)		
	Ambient light	Incandescent lamp: 10,000 lux or less		
	Vibration	10 to 55 Hz, 0.75 mm compound amplitude, 2 hours sweep in the X, Y and Z directions		
	Shock	300 m/s ² ,16 ms pulse in X, Y, and Z directions, 3 times each axis		
Power consumption		5 W or less		
Power supply		10 to 30 VDC including Ripple ±10% (P-P)		