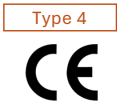


Type 4 General Purpose Safety Curtain

[GZ Series]

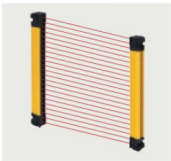
- Type 4 certified
- 10 / 20 / 40 mm pitch axes selection
- < 10 ms fast response time
- 0.1 to 5 m detecting range



Safety Curtain

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.



15 mm
Finger detection



25 mm
Hand detection



45 mm
Arm or leg detection

Usable everywhere

Works in any location with various mounting brackets.



Side bracket

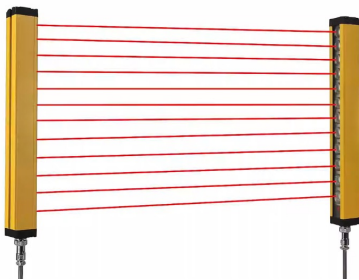


Top bottom bracket

0.1 to 5 m detection distance

0.1 to 5M

MAXIMUM DETECTION DISTANCE

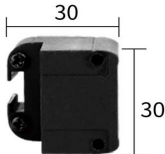
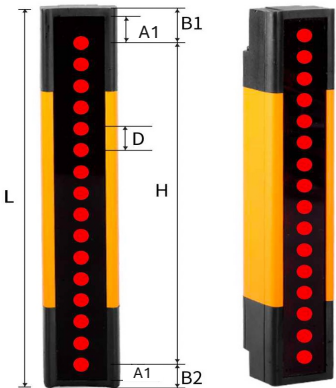


10 ms instant hazard detection

With a response time of less than 10ms, ensures immediate detection and machine stoppage, minimizing the risk of accidents in high-speed environments.

Dimensions

unit: mm



A1	Upper blind spot
A2	Bottom blind spot
B1	Upper cover
B2	Bottom cover
D	Pitch axes
H	Detection area
L	Total length

L	(No. of axes * D) + 6 mm
H	(No. of axes - 1) * D
A1 & A2	0.5 * D
B1 & B2	(0.5 * D) + 6 mm

Ordering guide

GZXX-YY-Z

XX	Pitch axes
YY	Total length
Z	Wiring method
F	Dual output signal
G	With EDM input

Overview

Code Reader

Handheld Reader

Vision Sensor

Vision System

Fiberoptic Sensor

Photoelectric Sensor

RGB Colour Sensor

Proximity Sensor

Ultrasonic Sensor

Safety Curtain

Ionizer

Safety Curtain

GZ Series Type 4 General Purpose Safety Curtain

- Overview
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- Ionizer

10 mm pitch		No. of axes	Detection area (mm)	Total length (mm)	Pitch axes (mm)
Model					
NPN	PNP				
GZ10-N16	GZ10-P16	16	150	166	10
GZ10-N18	GZ10-P18	18	170	186	
GZ10-N20	GZ10-P20	20	190	206	
GZ10-N22	GZ10-P22	22	210	226	
GZ10-N24	GZ10-P24	24	230	246	
GZ10-N26	GZ10-P26	26	250	266	
GZ10-N28	GZ10-P28	28	270	286	
GZ10-N30	GZ10-P30	30	290	306	
GZ10-N32	GZ10-P32	32	310	326	
GZ10-N34	GZ10-P34	34	330	346	
GZ10-N36	GZ10-P36	36	350	366	
GZ10-N38	GZ10-P38	38	370	386	
GZ10-N40	GZ10-P40	40	390	406	
GZ10-N42	GZ10-P42	42	410	426	
GZ10-N44	GZ10-P44	44	430	446	
GZ10-N46	GZ10-P46	46	450	466	
GZ10-N48	GZ10-P48	48	470	486	
GZ10-N50	GZ10-P50	50	490	506	
GZ10-N52	GZ10-P52	52	510	526	
GZ10-N54	GZ10-P54	54	530	546	
GZ10-N56	GZ10-P56	56	550	566	
GZ10-N58	GZ10-P58	58	570	586	
GZ10-N60	GZ10-P60	60	590	606	
GZ10-N62	GZ10-P62	62	610	626	
GZ10-N64	GZ10-P64	64	630	646	
GZ10-N66	GZ10-P66	66	650	666	
GZ10-N68	GZ10-P68	68	670	686	
GZ10-N70	GZ10-P70	70	690	706	
GZ10-N72	GZ10-P72	72	710	726	
GZ10-N74	GZ10-P74	74	730	746	
GZ10-N76	GZ10-P76	76	750	766	
GZ10-N78	GZ10-P78	78	770	786	
GZ10-N80	GZ10-P80	80	790	806	
GZ10-N82	GZ10-P82	82	810	826	
GZ10-N84	GZ10-P84	84	830	846	
GZ10-N86	GZ10-P86	86	850	866	
GZ10-N88	GZ10-P88	88	870	886	
GZ10-N90	GZ10-P90	90	890	906	
GZ10-N92	GZ10-P92	92	910	926	
GZ10-N94	GZ10-P94	94	930	946	
GZ10-N96	GZ10-P96	96	950	966	
GZ10-N98	GZ10-P98	98	970	986	
GZ10-N100	GZ10-P100	100	990	1006	
GZ10-N102	GZ10-P102	102	1010	1026	
GZ10-N104	GZ10-P104	104	1030	1046	
GZ10-N106	GZ10-P106	106	1050	1066	
GZ10-N108	GZ10-P108	108	1070	1086	
GZ10-N110	GZ10-P110	110	1090	1106	
GZ10-N112	GZ10-P112	112	1110	1126	
GZ10-N114	GZ10-P114	114	1130	1146	
GZ10-N116	GZ10-P116	116	1150	1166	
GZ10-N118	GZ10-P118	118	1170	1186	
GZ10-N120	GZ10-P120	120	1190	1206	
GZ10-N122	GZ10-P122	122	1210	1226	
GZ10-N124	GZ10-P124	124	1230	1246	
GZ10-N126	GZ10-P126	126	1250	1266	
GZ10-N128	GZ10-P128	128	1270	1286	
GZ10-N130	GZ10-P130	130	1290	1306	
GZ10-N132	GZ10-P132	132	1310	1326	
GZ10-N134	GZ10-P134	134	1330	1346	
GZ10-N136	GZ10-P136	136	1350	1366	
GZ10-N138	GZ10-P138	138	1370	1386	
GZ10-N140	GZ10-P140	140	1390	1406	
GZ10-N142	GZ10-P142	142	1410	1426	
GZ10-N144	GZ10-P144	144	1430	1446	
GZ10-N146	GZ10-P146	146	1450	1466	
GZ10-N148	GZ10-P148	148	1470	1486	
GZ10-N150	GZ10-P150	150	1490	1506	
GZ10-N152	GZ10-P152	152	1510	1526	
GZ10-N154	GZ10-P154	154	1530	1546	
GZ10-N156	GZ10-P156	156	1550	1566	

10 mm pitch

Model		No. of axes	Detection area (mm)	Total length (mm)	Pitch axes (mm)
NPN	PNP				
GZ10-N158	GZ10-P158	158	1570	1586	10
GZ10-N160	GZ10-P160	160	1590	1606	
GZ10-N162	GZ10-P162	162	1610	1626	
GZ10-N164	GZ10-P164	164	1630	1646	
GZ10-N166	GZ10-P166	166	1650	1666	
GZ10-N168	GZ10-P168	168	1670	1686	
GZ10-N170	GZ10-P170	170	1690	1706	
GZ10-N172	GZ10-P172	172	1710	1726	
GZ10-N174	GZ10-P174	174	1730	1746	
GZ10-N176	GZ10-P176	176	1750	1766	
GZ10-N178	GZ10-P178	178	1770	1786	
GZ10-N180	GZ10-P180	180	1790	1806	
GZ10-N182	GZ10-P182	182	1810	1826	
GZ10-N184	GZ10-P184	184	1830	1846	
GZ10-N186	GZ10-P186	186	1850	1866	
GZ10-N188	GZ10-P188	188	1870	1886	
GZ10-N190	GZ10-P190	190	1890	1906	
GZ10-N192	GZ10-P192	192	1910	1926	
GZ10-N194	GZ10-P194	194	1930	1946	
GZ10-N196	GZ10-P196	196	1950	1966	
GZ10-N198	GZ10-P198	198	1970	1986	
GZ10-N200	GZ10-P200	200	1990	2006	
GZ10-N202	GZ10-P202	202	2010	2026	
GZ10-N204	GZ10-P204	204	2030	2046	
GZ10-N206	GZ10-P206	206	2050	2066	
GZ10-N208	GZ10-P208	208	2070	2086	
GZ10-N210	GZ10-P210	210	2090	2106	
GZ10-N212	GZ10-P212	212	2110	2126	
GZ10-N214	GZ10-P214	214	2130	2146	
GZ10-N216	GZ10-P216	216	2150	2166	
GZ10-N218	GZ10-P218	218	2170	2186	
GZ10-N220	GZ10-P220	220	2190	2206	
GZ10-N222	GZ10-P222	222	2210	2226	
GZ10-N224	GZ10-P224	224	2230	2246	
GZ10-N226	GZ10-P226	226	2250	2266	
GZ10-N228	GZ10-P228	228	2270	2286	
GZ10-N230	GZ10-P230	230	2290	2306	
GZ10-N232	GZ10-P232	232	2310	2326	
GZ10-N234	GZ10-P234	234	2330	2346	
GZ10-N236	GZ10-P236	236	2350	2366	
GZ10-N238	GZ10-P238	238	2370	2386	
GZ10-N240	GZ10-P240	240	2390	2406	
GZ10-N242	GZ10-P242	242	2410	2426	
GZ10-N244	GZ10-P244	244	2430	2446	
GZ10-N246	GZ10-P246	246	2450	2466	
GZ10-N248	GZ10-P248	248	2470	2486	
GZ10-N250	GZ10-P250	250	2490	2506	
GZ10-N252	GZ10-P252	252	2510	2526	
GZ10-N254	GZ10-P254	254	2530	2546	
GZ10-N256	GZ10-P256	256	2550	2566	

20 mm pitch

Model		No. of axes	Detection area (mm)	Total length (mm)	Pitch axes (mm)
NPN	PNP				
GZ20-N8	GZ20-P8	8	140	168	20
GZ20-N10	GZ20-P10	10	180	208	
GZ20-N12	GZ20-P12	12	220	248	
GZ20-N14	GZ20-P14	14	260	288	
GZ20-N16	GZ20-P16	16	300	328	
GZ20-N18	GZ20-P18	18	340	368	
GZ20-N20	GZ20-P20	20	380	408	
GZ20-N22	GZ20-P22	22	420	448	
GZ20-N24	GZ20-P24	24	460	488	
GZ20-N26	GZ20-P26	26	500	528	
GZ20-N28	GZ20-P28	28	540	568	
GZ20-N30	GZ20-P30	30	580	608	
GZ20-N32	GZ20-P32	32	620	648	
GZ20-N34	GZ20-P34	34	660	688	
GZ20-N36	GZ20-P36	36	700	728	
GZ20-N38	GZ20-P38	38	740	768	
GZ20-N40	GZ20-P40	40	780	808	
GZ20-N42	GZ20-P42	42	820	848	
GZ20-N44	GZ20-P44	44	860	888	

Overview

Code Reader

Handheld Reader

Vision Sensor

Vision System

Fiberoptic Sensor

Photoelectric Sensor

RGB Colour Sensor

Proximity Sensor

Ultrasonic Sensor

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Ionizer

Safety Curtain

GZ Series

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Model		No. of axes	Detection area (mm)	Total length (mm)	Pitch axes (mm)
NPN	PNP				
GZ20-N46	GZ20-P46	46	900	928	20
GZ20-N48	GZ20-P48	48	940	968	
GZ20-N50	GZ20-P50	50	980	1008	
GZ20-N52	GZ20-P52	52	1020	1048	
GZ20-N54	GZ20-P54	54	1060	1088	
GZ20-N56	GZ20-P56	56	1100	1128	
GZ20-N58	GZ20-P58	58	1140	1168	
GZ20-N60	GZ20-P60	60	1180	1208	
GZ20-N62	GZ20-P62	62	1220	1248	
GZ20-N64	GZ20-P64	64	1260	1288	
GZ20-N66	GZ20-P66	66	1300	1328	
GZ20-N68	GZ20-P68	68	1340	1368	
GZ20-N70	GZ20-P70	70	1380	1408	
GZ20-N72	GZ20-P72	72	1420	1448	
GZ20-N74	GZ20-P74	74	1460	1488	
GZ20-N76	GZ20-P76	76	1500	1528	
GZ20-N78	GZ20-P78	78	1540	1568	
GZ20-N80	GZ20-P80	80	1580	1608	
GZ20-N82	GZ20-P82	82	1620	1648	
GZ20-N84	GZ20-P84	84	1660	1688	
GZ20-N86	GZ20-P86	86	1700	1728	
GZ20-N88	GZ20-P88	88	1740	1768	
GZ20-N90	GZ20-P90	90	1780	1808	
GZ20-N92	GZ20-P92	92	1820	1848	
GZ20-N94	GZ20-P94	94	1860	1888	
GZ20-N96	GZ20-P96	96	1900	1928	
GZ20-N98	GZ20-P98	98	1940	1968	
GZ20-N100	GZ20-P100	100	1980	2008	
GZ20-N102	GZ20-P102	102	2020	2048	
GZ20-N104	GZ20-P104	104	2060	2088	
GZ20-N106	GZ20-P106	106	2100	2128	
GZ20-N108	GZ20-P108	108	2140	2168	
GZ20-N110	GZ20-P110	110	2180	2208	
GZ20-N112	GZ20-P112	112	2220	2248	
GZ20-N114	GZ20-P114	114	2260	2288	
GZ20-N116	GZ20-P116	116	2300	2328	
GZ20-N118	GZ20-P118	118	2340	2368	
GZ20-N120	GZ20-P120	120	2380	2408	
GZ20-N122	GZ20-P122	122	2420	2448	
GZ20-N124	GZ20-P124	124	2460	2488	
GZ20-N126	GZ20-P126	126	2500	2528	
GZ20-N128	GZ20-P128	128	2540	2568	
GZ20-N130	GZ20-P130	130	2580	2608	
GZ20-N132	GZ20-P132	132	2620	2648	
GZ20-N134	GZ20-P134	134	2660	2688	
GZ20-N136	GZ20-P136	136	2700	2728	
GZ20-N138	GZ20-P138	138	2740	2768	
GZ20-N140	GZ20-P140	140	2780	2808	
GZ20-N142	GZ20-P142	142	2820	2848	
GZ20-N144	GZ20-P144	144	2860	2888	
GZ20-N146	GZ20-P146	146	2900	2928	

40 mm pitch

Model		No. of axes	Detection area (mm)	Total length (mm)	Pitch axes (mm)
NPN	PNP				
GZ40-N4	GZ40-P4	4	120	166	40
GZ40-N6	GZ40-P6	6	200	246	
GZ40-N8	GZ40-P8	8	280	326	
GZ40-N10	GZ40-P10	10	360	406	
GZ40-N12	GZ40-P12	12	440	486	
GZ40-N14	GZ40-P14	14	520	566	
GZ40-N16	GZ40-P16	16	600	646	
GZ40-N18	GZ40-P18	18	680	726	
GZ40-N20	GZ40-P20	20	760	806	
GZ40-N22	GZ40-P22	22	840	886	
GZ40-N24	GZ40-P24	24	920	966	
GZ40-N26	GZ40-P26	26	1000	1046	
GZ40-N28	GZ40-P28	28	1080	1126	
GZ40-N30	GZ40-P30	30	1160	1206	
GZ40-N32	GZ40-P32	32	1240	1286	
GZ40-N34	GZ40-P34	34	1320	1366	
GZ40-N36	GZ40-P36	36	1400	1446	
GZ40-N38	GZ40-P38	38	1480	1526	

40 mm pitch

Model		No. of axes	Detection area (mm)	Total length (mm)	Pitch axes (mm)
NPN	PNP				
GZ40-N40	GZ40-P40	40	1560	1606	40
GZ40-N42	GZ40-P42	42	1640	1686	
GZ40-N44	GZ40-P44	44	1720	1766	
GZ40-N46	GZ40-P46	46	1800	1846	
GZ40-N48	GZ40-P48	48	1880	1926	
GZ40-N50	GZ40-P50	50	1960	2006	
GZ40-N52	GZ40-P52	52	2040	2086	
GZ40-N54	GZ40-P54	54	2120	2166	
GZ40-N56	GZ40-P56	56	2200	2246	
GZ40-N58	GZ40-P58	58	2280	2326	
GZ40-N60	GZ40-P60	60	2360	2406	
GZ40-N62	GZ40-P62	62	2440	2486	
GZ40-N64	GZ40-P64	64	2520	2566	
GZ40-N66	GZ40-P66	66	2600	2646	
GZ40-N68	GZ40-P68	68	2680	2726	
GZ40-N70	GZ40-P70	70	2760	2806	
GZ40-N72	GZ40-P72	72	2840	2886	
GZ40-N74	GZ40-P74	74	2920	2966	
GZ40-N76	GZ40-P76	76	3000	3046	
GZ40-N78	GZ40-P78	78	3080	3126	
GZ40-N80	GZ40-P80	80	3160	3206	

Specifications

Model		GZ10	GZ20	GZ40
Operating	Pitch dimension	10 mm	20 mm	40 mm
	Detection capability	ø15, 25, 45 mm		
	Scanning range	0.1 to 5 m		
	Light source	Infrared LED		
	Response time	< 10 ms		
Connection method		Line synchronisation		
OSSD operation		Turns on when no interruptions are present in the detection zone		
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/s², 16 ms pulse in X, Y, and Z directions, 3 times each axis		
Power supply		10 to 30 VDC including Ripple ±10% (P-P)		
Power consumption		3 to 8 W		
Material		Aluminium alloy		

Optional Accessories



FG-184
Side
bracket



FG-185
Top bottom
bracket

Safety Curtain

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