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Focus on high-end quality

CE ISO9001:2015
RoHS IP65

Technology changes the future

COMPREHENSIVE CATALOG OF SENSORS **Safety light curtain**

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



Model-CLT-CMT High-precision measurement and detection light curtain

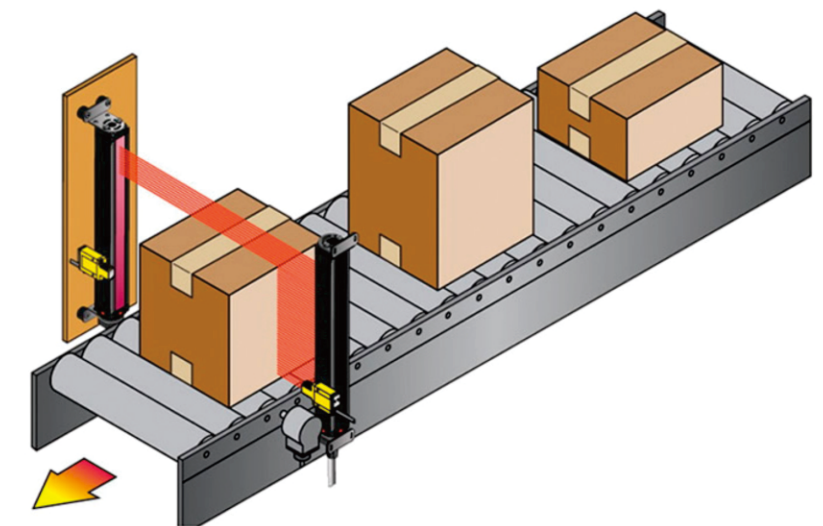
- Ultra-fast response speed (up to 5ms)
- 2.5mm high precision measurement and detection
- RS485/232/analog multiple output
- Can effectively shield 99% of interference signals

It is widely used in complex online detection and measurement such as size measurement, volume measurement, precision correction, hole detection, center positioning, and part counting.



◆ CLT Photoelectric protection device

- ★ High precision CLT series measuring light curtain is suitable for high precision detection and measurement. It includes on-line detection, size measurement, contour detection, accuracy correction, hole detection, shape detection, edge and center positioning, tension control, part counting, on-line product size detection and similar detection and measurement.
- ★ Each system consists of a high-resolution transmitter and receiver, and two cables.
- ★ 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 dimension design is 36mm*36mm.
The safety sensor can be connected to the cable (M12) through the air socket.
- ★ All electronic components adopt world-renowned brand accessories.



◆ Product configuration

The controller, the light emitter, the light receiver and the transmission line are composed.



7-core data line



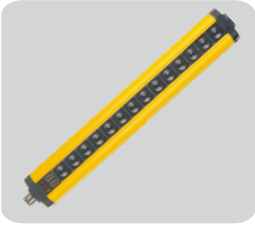
Aviation interface



Distance 1.25, 2.5, 5mm
shape circle



Distance 10mm shape circle



Distance 10mm shape circle

◆ 产品技术参数 Technical parameters of products

Light curtain form	Counter shooting					
Beam pitch	1.25mm	2.5mm	5mm	10mm	20mm	40mm
Check the accuracy	2mm	3.75mm	6.5mm	15mm	25mm	45mm
Beam number	64\96···480	32\48···480	16\24···480	8\10···480	4\6···480	4\6···480
Height of protection	Beam pitch X (Beam number-1)					
Detection distance	30 ~ 3000mm 、 30~6000mm 、 30~10000mm					
Response time	≤15ms					
Anti light interference	10000Lux(Incidence angle ≥5°)					
Outline size	36x36xLmm(L is the length of light emitter/receiver)					
Protection level	IP65					
Supply voltage	DC12/24V					
Output	RS485/RS232 I:4-20mA U:1-10V					
Output state	ON (Receiving Display Green Light) Digital Tube Display 00 when all optical axes are illuminated					
Indicator light	Projector: Power indicator (red); Receiver: Output indicator (green) shading (red)					
Light source	Modulated Infrared LED					
Connection mode	Waterproof circular air socket with special connecting cable, 7/5 core of projector and 7/5 core of receiver					
Shell material	Aluminum alloy, end cover: ABS reinforced nylon					
Environmental light resistance	Incandescent light illumination of the receiving surface 3000Lx; sunlight illumination of the receiving surface 10000Lx					
Ambient temperature	When working: - 10 ~ + 40 C (but not freezing), when preserved: - 25 ~ + 55 C					
Ambient humidity	Work: 35-85% RH, save: 35-95% RH					

Introduction to the Application of Measuring and Detecting Light Curtain

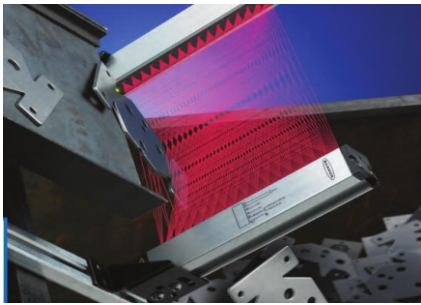
Size measurement of cardboard boxes:

It can measure the length, width and height of the object, and send the data to the background program to calculate the volume synthesis operation of the object.



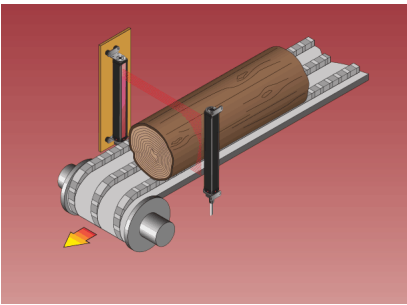
Counting of Falling Flat Small Objects:

Unique facula synchronous multi-beam infrared LED for high-precision detection generates accurate cross-spot of light, and has the detection function of extremely small objects.



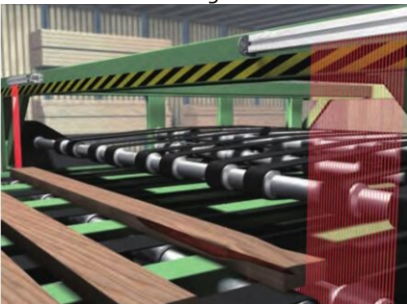
Tyre classification:

Two sets of light curtains are used to measure the inner and outer diameters of the tires, and the tires are conveyed to the corresponding conveyor belt. If either of the dimensions of the tires does not conform to the specifications, they will be packed without air.



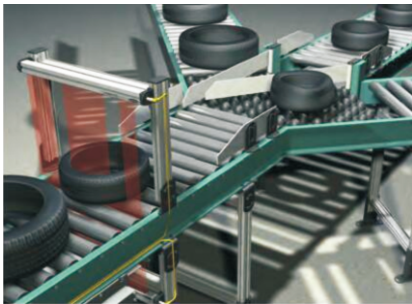
Wood cutting:

Measure the length of the board and check whether it is deformed or not. Boards that exceed specifications will be removed. At the same time, the length of the board can be measured to determine whether the board is bent or not, because the deformation of the kite will cause the length of the board to change.



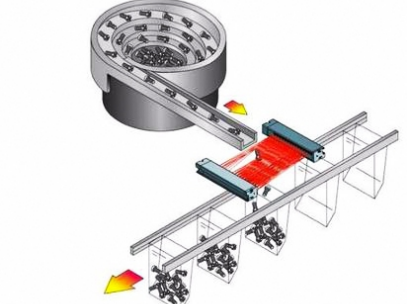
Tyre classification:

Two sets of light curtains are used to measure the inner and outer diameters of the tires, and the tires are conveyed to the corresponding conveyor belt. If either of the dimensions of the tires does not conform to the specifications, they will be packed without air.

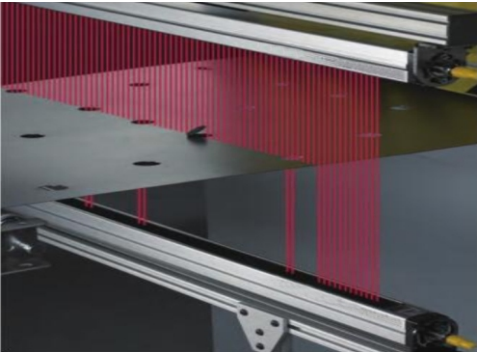


Counting of Small Objects:

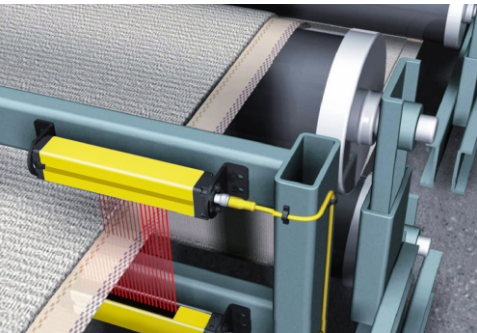
In the production process, the small screw is conveyed from the feeding barrel and falls into the plastic bag. The light screen counts the dropping small screws and monitors the number of packages per bag. The transmitter of the receiver consists of a 5 millisecond pulse stretcher (turn-off delay) to improve the counting accuracy.



Punching test:
Detection of the absence of punches on metal sheets or the location of coil cutting or the presence of holes in sheets.



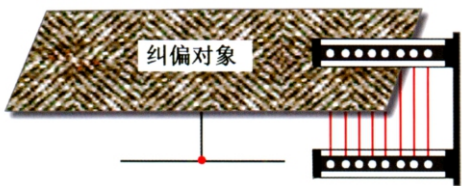
Cloth blanket detection:
When the blanket passes through the measuring light curtain, the light curtain detects the edge of the blanket green and the edge of the fabric cluster and sends out signals to the control system for position correction.



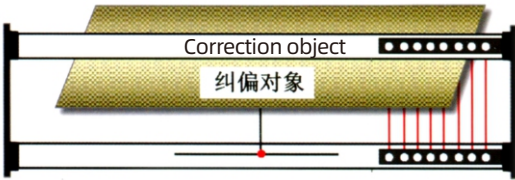
Indicator lamp with hint for assembly and production of parts:
Guide assembly workers to pick up parts correctly to prevent missing parts and parts assembly sequence errors.



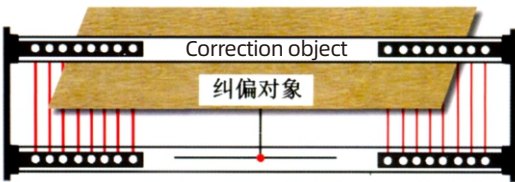
Correction of deviation in carton packaging industry



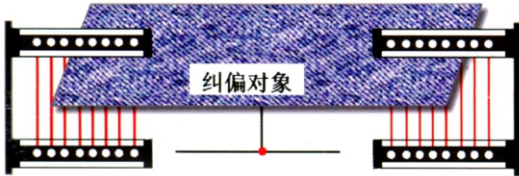
Single set of opposite-side rectifying curtain



Single set of opposite-side rectifying light curtain (including protective tube)

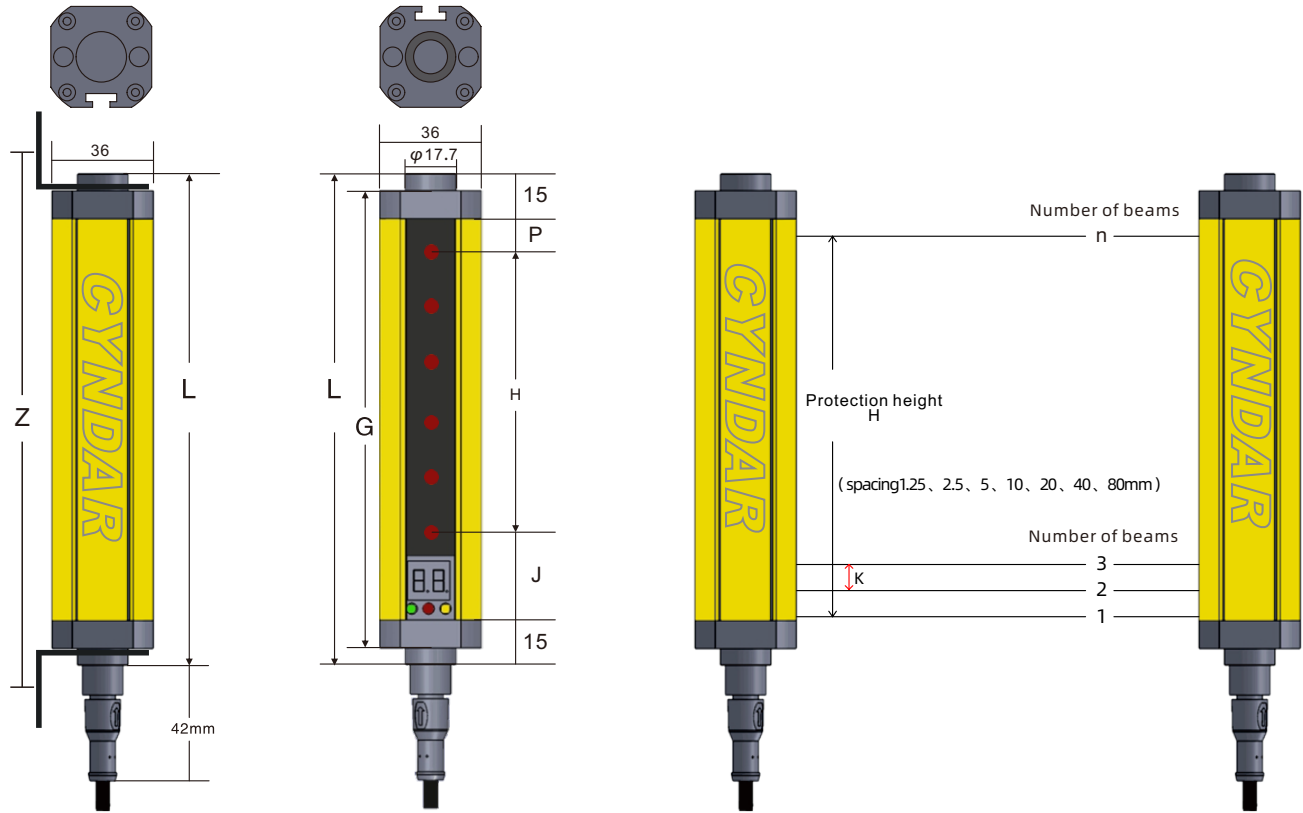


Bilateral polarization correction curtain (with protective tube)



Bilateral polarization correction curtain (two sets of combination)

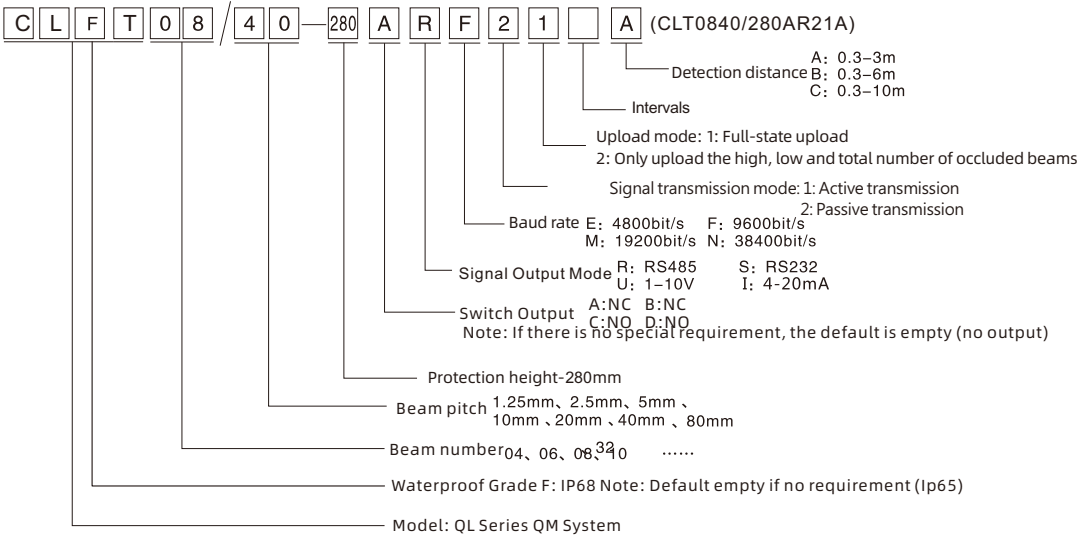
◆ Dimensions



Remarks
 $H = (n - 1) * K =$ Detection height
 $L:$ Total length of light screen
 $n:$ Optical axis number
 $Z = L + 30mm =$ Center Distance of Fixed Mode of Upper and Lower Right Angle Frames
 $L = P + H + J + 15mm + 15mm$

K (mm)	2.5	5	10	20	40	80
P (mm)	1.25	2.5	5	10	10	10
J (mm)	25.75	27	29.5	34.5	34.5	35

◆ CLT ultra-thin safety light curtain specification sheet is as follows



QL08/40-280 A RA21A: Measure the protective height of 40mm spacing of 8 beams of light curtain 280 mm NPN NC Rs485 output baud rate 9600 bit/s passive transmission mode full-state upload detection distance of 3 meters.
Detailed models can be found on the next page.

◆ Specification List

Beam pitch	Light beam	Protection height mm (H)	Screen height mm(L)	Product model	Signal output mode			Detection distance
					RS485	4-20MA	0-10V	
1.25mm (K)	64	78.75	134.37	CLT64/1.25-78.75	R	I	U	0.3-3m
	96	118.75	174.37	CLT96/1.25-118.75	R	I	U	0.3-3m
	128	158.75	214.37	CLT128/1.25-158.75	R	I	U	0.3-3m
	160	198.75	254.37	CLT160/1.25-198.75	R	I	U	0.3-3m
	192	238.75	294.37	CLT192/1.25-238.75	R	I	U	0.3-3m
	224	278.75	334.37	CLT224/1.25-278.75	R	I	U	0.3-3m
	256	318.75	374.37	CLT256/1.25-318.75	R	I	U	0.3-3m
	288	358.75	414.37	CLT288/1.25-358.75	R	I	U	0.3-3m
	320	398.75	454.37	CLT320/1.25-398.75	R	I	U	0.3-3m
	352	438.75	494.37	CLT352/1.25-438.75	R	I	U	0.3-3m
	384	478.75	534.37	CLT384/1.25-478.75	R	I	U	0.3-3m
	416	518.75	574.37	CLT416/1.25-518.75	R	I	U	0.3-3m
	448	558.75	614.37	CLT448/1.25-558.75	R	I	U	0.3-3m
	480	598.75	654.37	CLT480/1.25-598.75	R	I	U	0.3-3m
	32	77.5	134.5	CLT32/2.5-77.5	R	I	U	0.3-3m
2.5mm (K)	48	117.5	174.5	CLT48/2.5-117.5	R	I	U	0.3-3m
	64	157.5	214.5	CLT64/2.5-157.5	R	I	U	0.3-3m
	80	197.5	254.5	CLT80/2.5-197.5	R	I	U	0.3-3m
	96	237.5	294.5	CLT96/2.5-237.5	R	I	U	0.3-3m
	112	277.5	334.5	CLT112/2.5-277.5	R	I	U	0.3-3m
	128	317.5	374.5	CLT128/2.5-317.5	R	I	U	0.3-3m
	144	357.5	414.5	CLT144/2.5-357.5	R	I	U	0.3-3m
	160	397.5	454.5	CLT160/2.5-397.5	R	I	U	0.3-3m
	176	437.5	494.5	CLT176/2.5-437.5	R	I	U	0.3-3m
	192	477.5	534.5	CLT192/2.5-477.5	R	I	U	0.3-3m
	208	517.5	574.5	CLT208/2.5-517.5	R	I	U	0.3-3m
	224	557.5	614.5	CLT224/2.5-557.5	R	I	U	0.3-3m
	480	1197.5	1254.5	CLT480/2.5-1197.5	R	I	U	0.3-3m
5mm (K)	16	75	134.5	CLT16/5-75	R	I	U	0.3-3m
	32	155	214.5	CLT32/5-155	R	I	U	0.3-3m
	48	235	294.5	CLT48/5-235	R	I	U	0.3-3m
	64	315	374.5	CLT64/5-315	R	I	U	0.3-3m
	80	395	454.5	CLT80/5-395	R	I	U	0.3-3m
	96	475	534.5	CLT96/5-475	R	I	U	0.3-3m
	112	555	614.5	CLT112/5-555	R	I	U	0.3-3m
	128	635	694.5	CLT128/5-635	R	I	U	0.3-3m
	144	715	774.5	CLT144/5-715	R	I	U	0.3-3m
	160	795	854.5	CLT160/5-795	R	I	U	0.3-3m
	176	875	934.5	CLT176/5-875	R	I	U	0.3-3m
	192	955	1014.5	CLT192/5-955	R	I	U	0.3-3m
	208	1035	1094.5	CLT208/5-1035	R	I	U	0.3-3m
	480	2395	2454.5	CLT480/5-2395	R	I	U	0.3-3m
10mm (K)	8	70	134.5	CLT08/10-70	R	I	U	0.3-3m
	10	90	154.5	CLT10/10-90	R	I	U	0.3-3m
	12	110	174.5	CLT12/10-110	R	I	U	0.3-3m
	14	130	194.5	CLT14/10-130	R	I	U	0.3-3m
	16	150	214.5	CLT16/10-150	R	I	U	0.3-3m
	18	170	234.5	CLT18/10-170	R	I	U	0.3-3m
	20	190	254.5	CLT20/10-190	R	I	U	0.3-3m
	22	210	274.5	CLT22/10-210	R	I	U	0.3-3m
	24	230	294.5	CLT24/10-230	R	I	U	0.3-3m
	26	250	314.5	CLT26/10-250	R	I	U	0.3-3m
	28	270	334.5	CLT28/10-270	R	I	U	0.3-3m
	30	290	354.5	CLT30/10-290	R	I	U	0.3-3m
	32	310	374.5	CLT32/10-310	R	I	U	0.3-3m
	34	330	394.5	CLT34/10-330	R	I	U	0.3-3m
20mm (K)	4	60	154.5	CLT04/20-60	R	I	U	0.3-3m
	6	100	194.5	CLT06/20-100	R	I	U	0.3-3m
	8	140	234.5	CLT08/20-140	R	I	U	0.3-3m
	10	180	274.5	CLT10/20-180	R	I	U	0.3-3m
	12	220	314.5	CLT12/20-220	R	I	U	0.3-3m
	14	260	354.5	CLT14/20-260	R	I	U	0.3-3m
	16	300	394.5	CLT16/20-300	R	I	U	0.3-3m
	18	340	434.5	CLT18/20-340	R	I	U	0.3-3m
	20	380	474.5	CLT20/20-380	R	I	U	0.3-3m
	22	420	514.5	CLT22/20-420	R	I	U	0.3-3m
	24	460	554.5	CLT24/20-460	R	I	U	0.3-3m
	26	500	594.5	CLT26/20-500	R	I	U	0.3-3m
	28	540	634.5	CLT28/20-540	R	I	U	0.3-3m
	30	580	674.5	CLT30/20-580	R	I	U	0.3-3m
	32	620	714.5	CLT32/20-620	R	I	U	0.3-3m
40mm (K)	4	120	194.5	CLT04/40-120	R	I	U	0.3-3m
	6	200	274.5	CLT06/40-200	R	I	U	0.3-3m
	8	280	354.5	CLT08/40-280	R	I	U	0.3-3m
	10	360	434.5	CLT10/40-360	R	I	U	0.3-3m
	12	440	514.5	CLT12/40-440	R	I	U	0.3-3m
	14	520	594.5	CLT14/40-520	R	I	U	0.3-3m
	16	600	674.5	CLT16/40-600	R	I	U	0.3-3m
	18	680	754.5	CLT18/40-680	R	I	U	0.3-3m
	20	760	834.5	CLT20/40-760	R	I	U	0.3-3m
	22	840	914.5	CLT22/40-840	R	I	U	0.3-3m
	24	920	994.5	CLT24/40-920	R	I	U	0.3-3m
	26	1000	1074.5	CLT26/40-1000	R	I	U	0.3-3m
	28	1080	1154.5	CLT28/40-1080	R	I	U	0.3-3m
	30	1160	1234.5	CLT30/40-1160	R	I	U	0.3-3m
	32	1240	1314.5	CLT32/40-1240	R	I	U	0.3-3m
80mm (K)	4	240	315	CLT04/80-240	R	I	U	0.3-3m
	6	400	475	CLT06/80-400	R	I	U	0.3-3m
	8	560	635	CLT08/80-560	R	I	U	0.3-3m
	10	720	795	CLT10/80-720	R	I	U	0.3-3m
	12	880	945	CLT12/80-880	R	I	U	0.3-3m
	14	1040	1105	CLT14/80-1040	R	I	U	0.3-3m
	16	1200	1265	CLT16/80-1200	R	I	U	0.3-3m
	18	1360	1425	CLT18/80-1360	R	I	U	0.3-3m
	20	1520	1585	CLT20/80-1520	R	I	U	0.3-3m
	...	...	...	...	R	I	U	0.3-3m
	30	2320	2395	CLT30/80-2320	R	I	U	0.3-3m
	32	2480	2555	CLT32/80-2480	R	I	U	0.3-3m

Note: The number of beams exceeding the above specifications can be indicated separately. Special specifications can be customized separately.
The distance between 20 and 40 mm is more than 4 meters. Please explain in advance.

◆ Frame format

- Reference to Modbus RTU protocol customization, using RS485 communication;
- Baud rate 4800 bit / s, 9600 bit / s, 19200 BOT / s, 38400 bit / s, default 9600 bit / s;
- Data 8 bit; no parity check; 1 bit stop bit; 16 bit CRC check.

◆ Active transmission mode of RS485/232 signal

Active access: By default, data is automatically uploaded to the host computer every 100 ms (speed and time can be set).

◆ Passive transmission mode of RS485/232 signal

Passive access mode: multiple sets of light curtains are connected in parallel at the same time, and the upper computer sends instructions before uploading data.
The address code can be modified arbitrarily.

◆ RS485/232 Communication Protocol (Mode 1)

The communication mode uploads the status of all light points directly to the upper computer, which processes data directly according to the requirements of use.

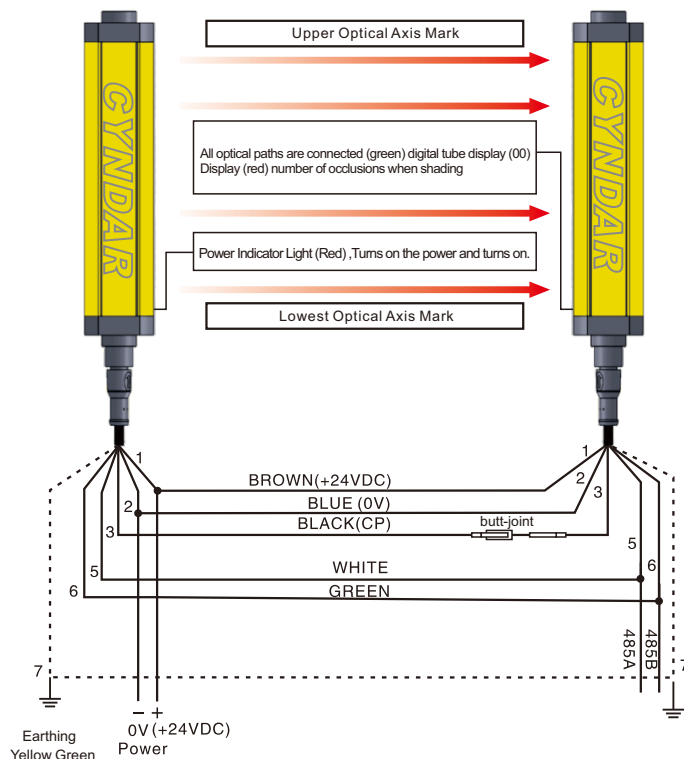
Free	0	1	2	3	---	N	N+1	N+2	Free
Starting position ≥ 10ms	0x03H	Total spot count	Single frame data volume	Data 1	---	Data N	CRC Check High Bytes	CRC Check Low Bytes	Stop bit ≥ 10ms

◆ RS485/232 Communication Protocol (Mode 2)

The communication mode only uploads the data of the highest point, the lowest point and the total number of photovoltaic shielded to the upper computer directly, and the upper computer processes the data directly according to the use requirements.

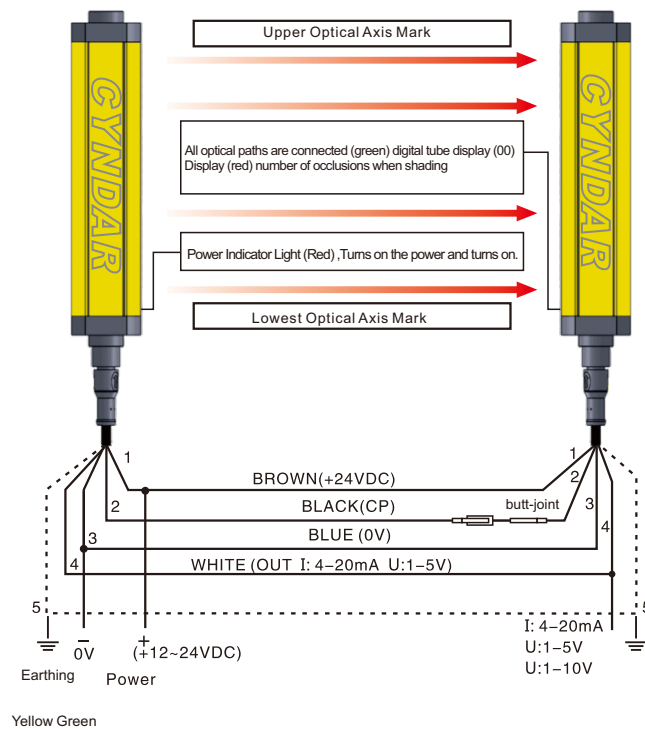
Free	First place	Second place	Third place	Fourth place	Fifth place	Sixth place	Seventh place	Free
Starting position ≥ 10ms	0x03 Start code	Total spot count	0x07 Single frame data volume	The highest point of light screen occlusion	The lowest point of light screen occlusion	Total number of light screens	Check code	Stop bit ≥ 10ms

◆ CLT 7-core RS485/RS232 series wiring diagram

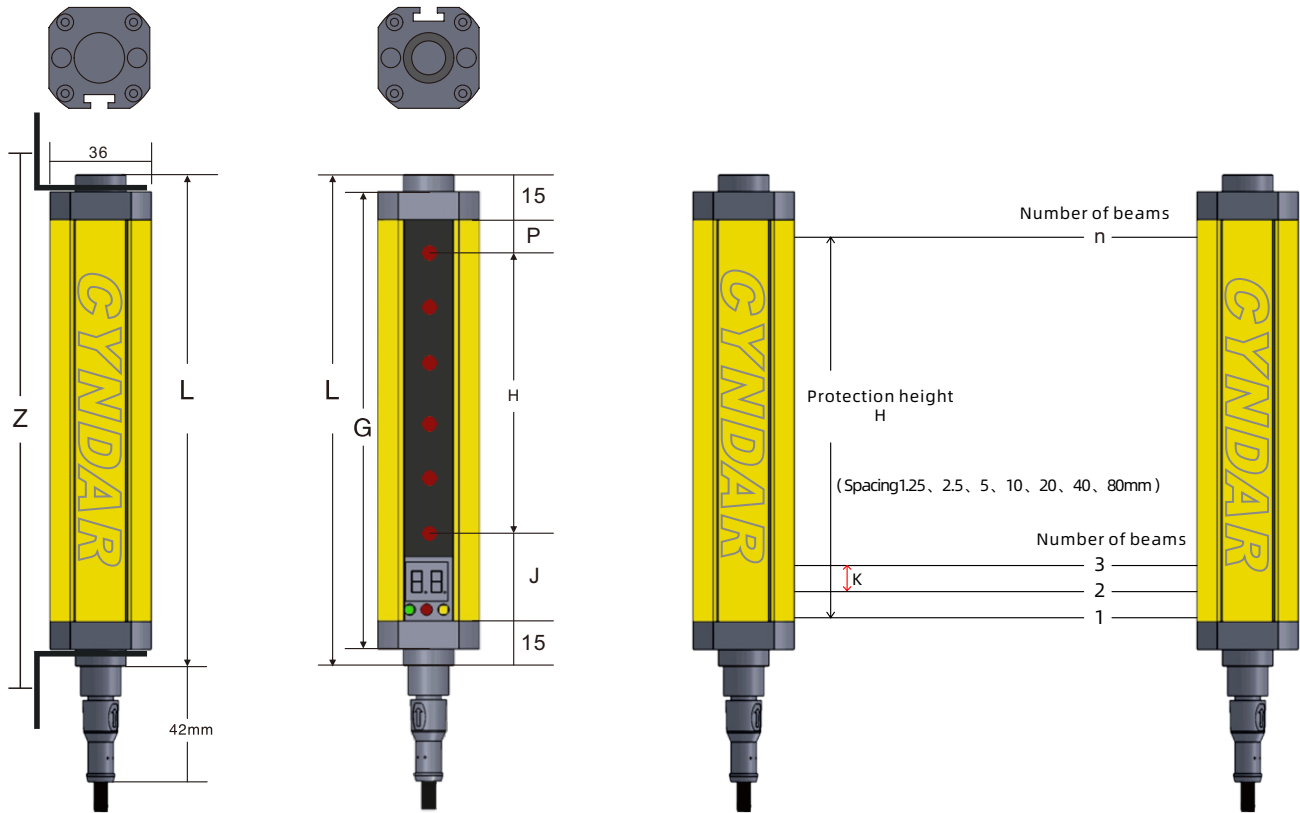


You can attach a set of NPN or PNP outputs

◆ CLT 5-core analog U/I series wiring diagram



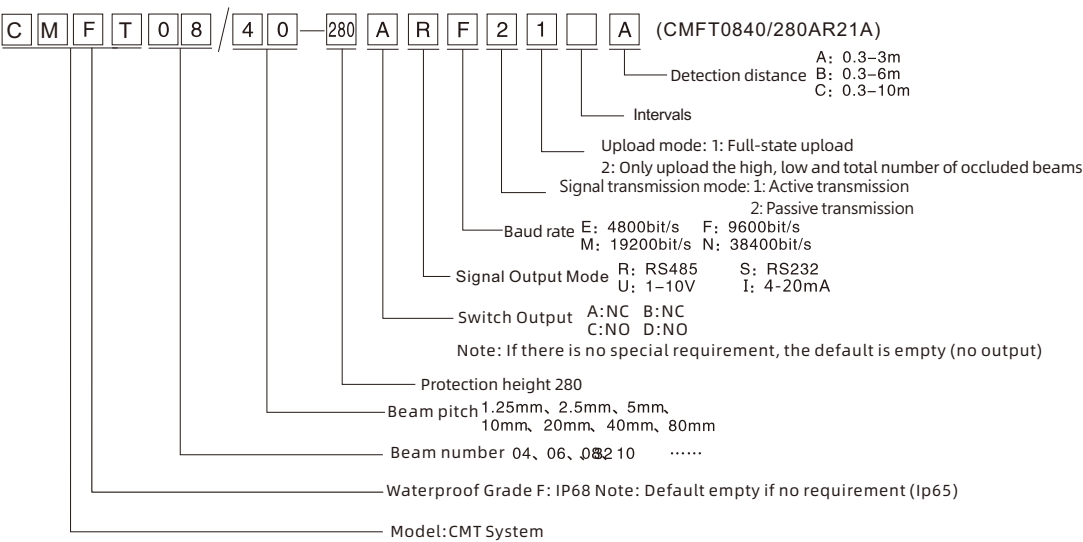
◆ CMT Dimensions



Remarks
H= (n-1) *K= Detection height L: Total length of light screen n: Optical axis number Z=L+30mm= Center Distance of Fixed Mode of Upper and Lower Right Angle Frames
K: Optical axis spacing L=P+H+J+15mm+15mm

K (mm)	2.5	5	10	20	40	80
P (mm)	1	4	5	10	10	10
J (mm)	24	24	28	33	33	35

◆ CMT ultra-thin safety light curtain specification sheet is as follows



QL08/40-280 A RA21A: Measure the protective height of 40mm spacing of 8 beams of light curtain 280 mm NPN NC Rs485 output baud rate 9600 bit/s passive transmission mode full-state upload detection distance of 3 meters.

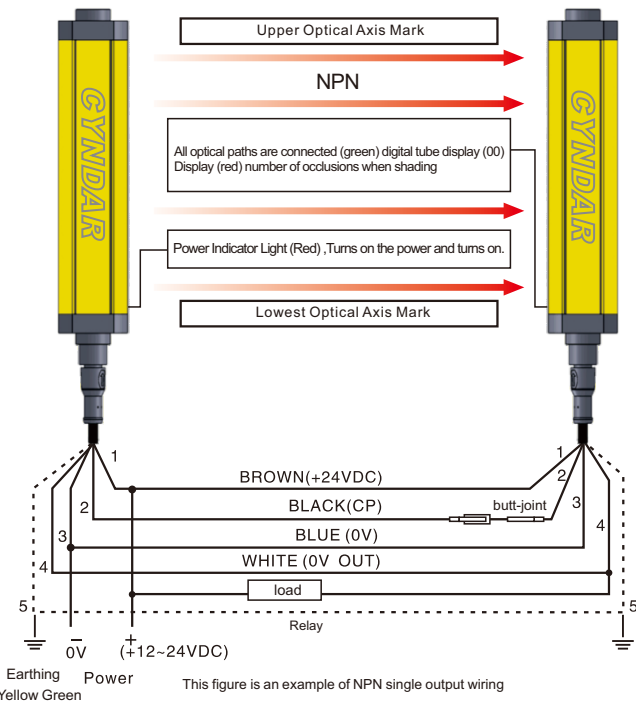
Detailed models can be found on the next page.

◆ Specification List

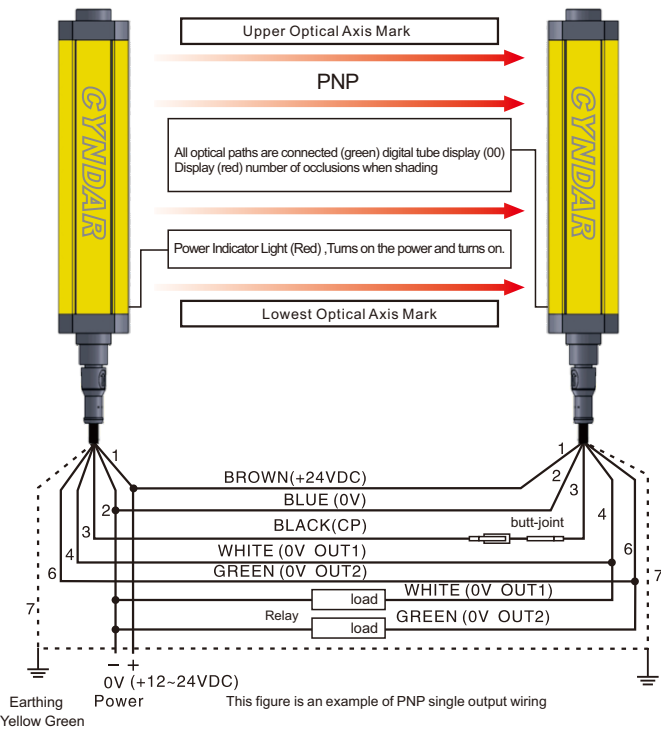
Beam pitch	Light beam	Protection height	Screen height	Product model	Signal output mode				Detection distance
					NPN	PNP	NPN	PNP	
1.25mm (K)	64	78.75	134.37	CMT64/1.25-78.75	A	B	C	D	0.3-3m
	96	118.75	174.37	CMT96/1.25-118.75	A	B	C	D	0.3-3m
	128	158.75	214.37	CMT128/1.25-158.75	A	B	C	D	0.3-3m
	160	198.75	254.37	CMT160/1.25-198.75	A	B	C	D	0.3-3m
	192	238.75	294.37	CMT192/1.25-238.75	A	B	C	D	0.3-3m
	224	278.75	334.37	CMT224/1.25-278.75	A	B	C	D	0.3-3m
	256	318.75	374.37	CMT256/1.25-318.75	A	B	C	D	0.3-3m
	288	358.75	414.37	CMT288/1.25-358.75	A	B	C	D	0.3-3m
	320	398.75	454.37	CMT320/1.25-398.75	A	B	C	D	0.3-3m
	352	438.75	494.37	CMT352/1.25-438.75	A	B	C	D	0.3-3m
	384	478.75	534.37	CMT384/1.25-478.75	A	B	C	D	0.3-3m
	416	518.75	574.37	CMT416/1.25-518.75	A	B	C	D	0.3-3m
	448	558.75	614.37	CMT448/1.25-558.75	A	B	C	D	0.3-3m
	480	598.75	654.37	CMT480/1.25-598.75	A	B	C	D	0.3-3m
	32	77.5	132.5	CMT32/2.5-77.5	A	B	C	D	0.3-3m
	48	117.5	172.5	CMT48/2.5-117.5	A	B	C	D	0.3-3m
	64	157.5	212.5	CMT64/2.5-157.5	A	B	C	D	0.3-3m
	80	197.5	252.5	CMT80/2.5-197.5	A	B	C	D	0.3-3m
	96	237.5	292.5	CMT96/2.5-237.5	A	B	C	D	0.3-3m
	112	277.5	332.5	CMT112/2.5-277.5	A	B	C	D	0.3-3m
2.5mm (K)	128	317.5	372.5	CMT128/2.5-317.5	A	B	C	D	0.3-3m
	144	357.5	412.5	CMT144/2.5-357.5	A	B	C	D	0.3-3m
	160	397.5	452.5	CMT160/2.5-397.5	A	B	C	D	0.3-3m
	176	437.5	492.5	CMT176/2.5-437.5	A	B	C	D	0.3-3m
	192	477.5	532.5	CMT192/2.5-477.5	A	B	C	D	0.3-3m
	208	517.5	572.5	CMT208/2.5-517.5	A	B	C	D	0.3-3m
	224	557.5	612.5	CMT224/2.5-557.5	A	B	C	D	0.3-3m
	480	1197.5	1252.5	CMT480/2.5-1197.5	A	B	C	D	0.3-3m
5mm (K)	16	75	130	CMT16/5-75	A	B	C	D	0.3-3m
	32	155	210	CMT32/5-155	A	B	C	D	0.3-3m
	48	235	290	CMT48/5-235	A	B	C	D	0.3-3m
	64	315	370	CMT64/5-315	A	B	C	D	0.3-3m
	80	395	450	CMT80/5-395	A	B	C	D	0.3-3m
	96	475	530	CMT96/5-475	A	B	C	D	0.3-3m
	112	555	610	CMT112/5-555	A	B	C	D	0.3-3m
	128	635	690	CMT128/5-635	A	B	C	D	0.3-3m
	144	715	770	CMT144/5-715	A	B	C	D	0.3-3m
	160	795	850	CMT160/5-795	A	B	C	D	0.3-3m
	176	875	930	CMT176/5-875	A	B	C	D	0.3-3m
	192	955	1010	CMT192/5-955	A	B	C	D	0.3-3m
	208	1035	1090	CMT208/5-1035	A	B	C	D	0.3-3m
	480	2395	2450	CMT480/5-2395	A	B	C	D	0.3-3m
10mm (K)	8	70	133	CMT08/10-70	A	B	C	D	0.3-3m
	10	90	153	CMT10/10-90	A	B	C	D	0.3-3m
	12	110	173	CMT12/10-110	A	B	C	D	0.3-3m
	14	130	193	CMT14/10-130	A	B	C	D	0.3-3m
	16	150	213	CMT16/10-150	A	B	C	D	0.3-3m
	18	170	233	CMT18/10-170	A	B	C	D	0.3-3m
	20	190	253	CMT20/10-190	A	B	C	D	0.3-3m
	22	210	273	CMT22/10-210	A	B	C	D	0.3-3m
	24	230	293	CMT24/10-230	A	B	C	D	0.3-3m
	26	250	313	CMT26/10-250	A	B	C	D	0.3-3m
	28	270	333	CMT28/10-270	A	B	C	D	0.3-3m
	30	290	353	CMT30/10-290	A	B	C	D	0.3-3m
	32	310	373	CMT32/10-310	A	B	C	D	0.3-3m
	34	330	393	CMT34/10-330	A	B	C	D	0.3-3m
20mm (K)	4	60	133	CMT04/20-60	A	B	C	D	0.3-3m
	6	100	173	CMT06/20-100	A	B	C	D	0.3-3m
	8	140	213	CMT08/20-140	A	B	C	D	0.3-3m
	10	180	253	CMT10/20-180	A	B	C	D	0.3-3m
	12	220	293	CMT12/20-220	A	B	C	D	0.3-3m
	14	260	333	CMT14/20-260	A	B	C	D	0.3-3m
	16	300	373	CMT16/20-300	A	B	C	D	0.3-3m
	18	340	413	CMT18/20-340	A	B	C	D	0.3-3m
	20	380	453	CMT20/20-380	A	B	C	D	0.3-3m
	22	420	493	CMT22/20-420	A	B	C	D	0.3-3m
	24	460	533	CMT24/20-460	A	B	C	D	0.3-3m
	26	500	573	CMT26/20-500	A	B	C	D	0.3-3m
	28	540	613	CMT28/20-540	A	B	C	D	0.3-3m
	30	580	653	CMT30/20-580	A	B	C	D	0.3-3m
	32	620	693	CMT32/20-620	A	B	C	D	0.3-3m
40mm (K)	4	120	193	CMT04/40-120	A	B	C	D	0.3-3m
	6	200	273	CMT06/40-200	A	B	C	D	0.3-3m
	8	280	353	CMT08/40-280	A	B	C	D	0.3-3m
	10	360	433	CMT10/40-360	A	B	C	D	0.3-3m
	12	440	513	CMT12/40-440	A	B	C	D	0.3-3m
	14	520	593	CMT14/40-520	A	B	C	D	0.3-3m
	16	600	673	CMT16/40-600	A	B	C	D	0.3-3m
	18	680	753	CMT18/40-680	A	B	C	D	0.3-3m
	20	760	833	CMT20/40-760	A	B	C	D	0.3-3m
	22	840	913	CMT22/40-840	A	B	C	D	0.3-3m
	24	920	993	CMT24/40-920	A	B	C	D	0.3-3m
	26	1000	1073	CMT26/40-1000	A	B	C	D	0.3-3m
	28	1080	1153	CMT28/40-1080	A	B	C	D	0.3-3m
	30	1160	1233	CMT30/40-1160	A	B	C	D	0.3-3m
	32	1240	1313	CMT32/40-1240	A	B	C	D	0.3-3m
80mm (K)	4	240	315	CMT04/80-240	A	B	C	D	0.3-3m
	6	400	475	CMT06/80-400	A	B	C	D	0.3-3m
	8	560	635	CMT08/80-560	A	B	C	D	0.3-3m
	10	720	785	CMT10/80-720	A	B	C	D	0.3-3m
	12	880	945	CMT12/80-880	A	B	C	D	0.3-3m
	14	1040	1105	CMT14/80-1040	A	B	C	D	0.3-3m
	16	1200	1265	CMT16/80-1200	A	B	C	D	0.3-3m
	18	1360	1425	CMT18/80-1360	A	B	C	D	0.3-3m
	20	1520	1585	CMT20/80-1520	A	B	C	D	0.3-3m
	...	...	...	...	A	B	C	D	0.3-3m
	30	2320	2395	CMT30/80-2320	A	B	C	D	0.3-3m
	32	2480	2555	CMT32/80-2480	A	B	C	D	0.3-3m

Note: The number of beams exceeding the above specifications can be indicated separately. Special specifications can be customized separately. The distance between 20 and 40 mm is more than 4 meters. Please explain in advance.

◆ CMT 5-core Series Wiring Diagram



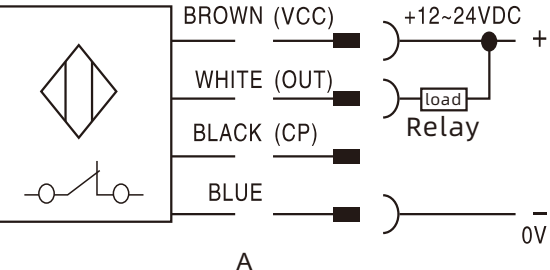
◆ CMT 7-core Series Wiring Diagram



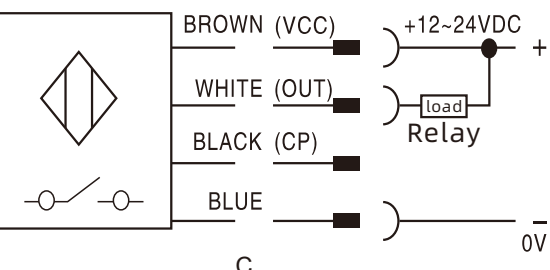
Ultra-fast response time is 0.5ms

◆ CMT signal output selection (actual output of transistor working normally)

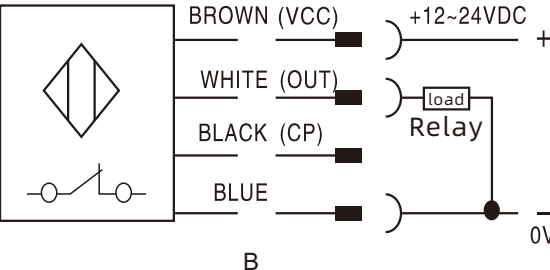
NPN NC



NPN NO



PNP PC



PNP PO

