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Focus on high-end quality

CE ISO9001:2015
RoHS IP65

Technology changes the future

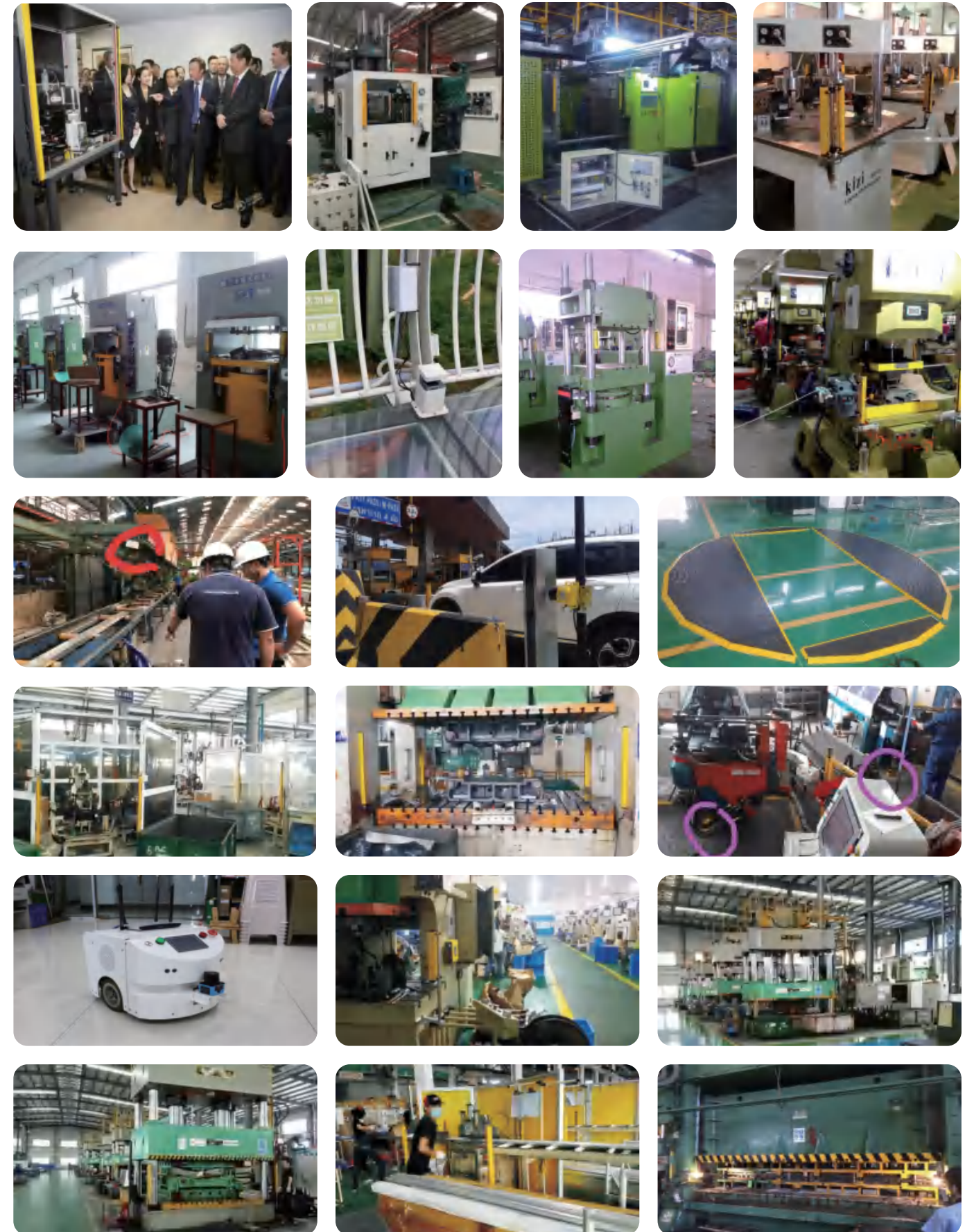
COMPREHENSIVE CATALOG OF SENSORS **Safety light curtain**

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

Safety light curtain application case



Other product application cases





Model-CCT Universal safety light curtain

- Ultra-fast response speed <15ms
- Can effectively shield 99% of interference signals
- Polarity, short circuit, overload protection, self-check
- Cumulative breakthrough 200,000+ pairs

It is widely used in more than 80% equipment such as presses, hydraulic presses, hydraulic presses, shears, automatic doors and other dangerous occasions.



CCT series safety light curtain

- ★ 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 30mm*30mm. 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 light emitter, the light receiver and the transmission line are composed.

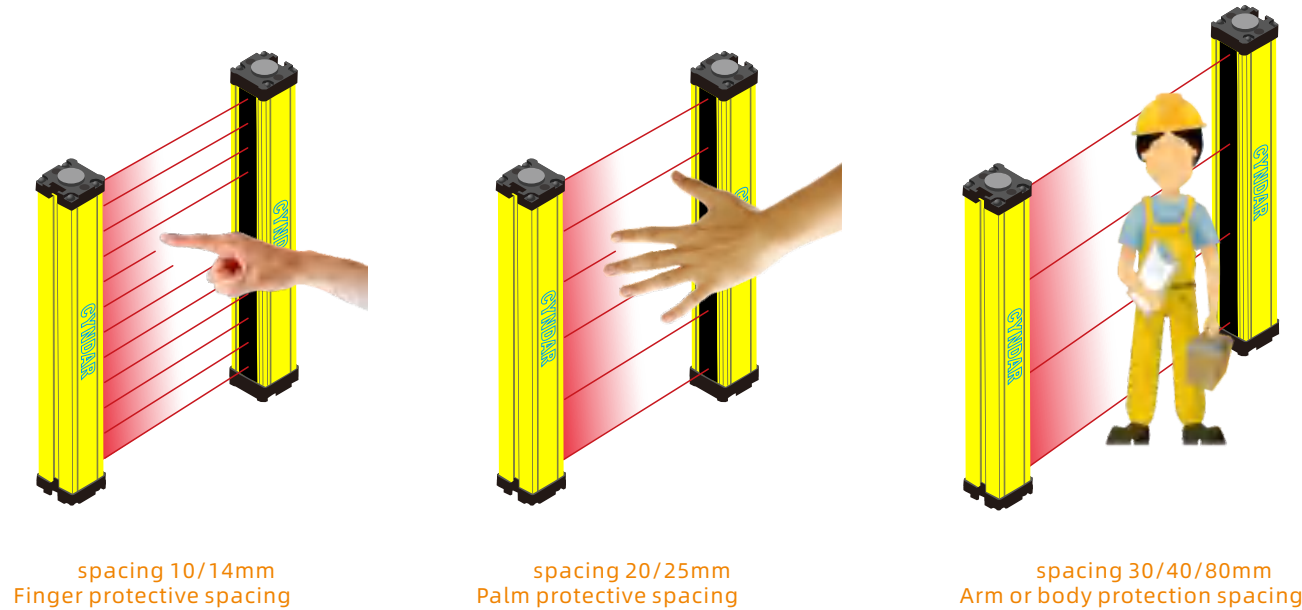


4 core (3m) 5 core (3.5m)
data cable



Customizable light curtains of any angle
can be customized

Resolving power

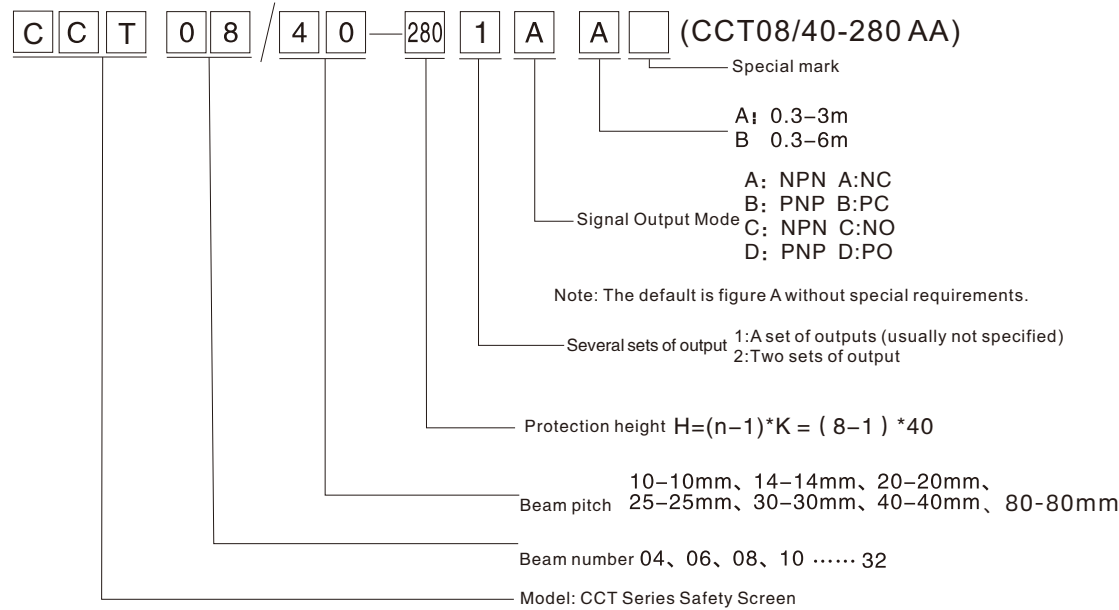


Technical parameters of products

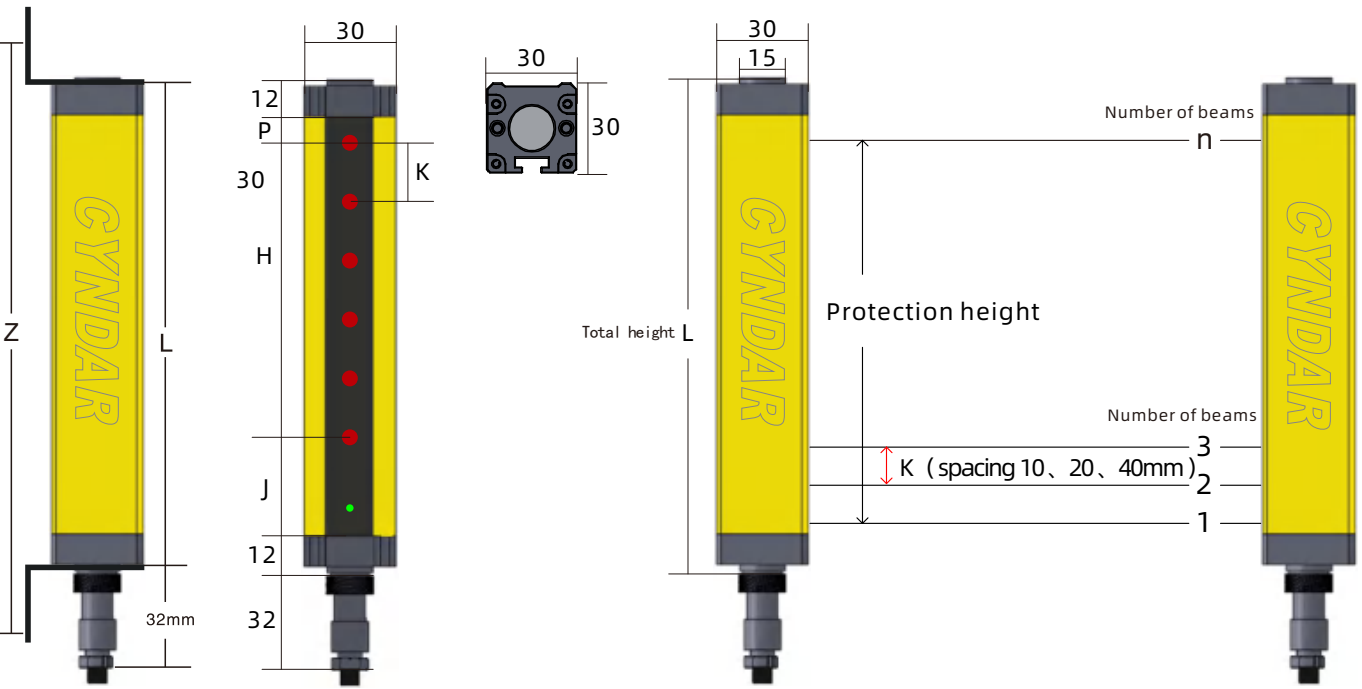
Light curtain form	Counter shooting						
Beam pitch	10mm	14mm	20mm	25mm	30mm	40mm	80mm
Check the accuracy	18mm	22mm	28mm	33mm	38mm	48mm	88mm
Beam number	6、8…32	6、8…32	4、6…32	6、8…32	4、6…32	4、6…32	4、6…32
Height of protection	Beam pitch X (Beam number-1)						
Detection distance	30 ~ 3000mm 、 30~6000mm						
Response time	≤15ms						
Anti light interference	10000Lux(Incidence angle ≥5°)						
Outline size	30 × 30 × Lmm(L is the length of light emitter/receiver)						
Protection level	IP65						
Controller	QCA QCA2						
Supply voltage	DC12/24V AC110~220V(Relay output)						
Consumption current	≤200mA						
Output	NPN/PNP type, with current 500 mA and voltage less than 1.5 v, polarity, short circuit and overload protection						
Output state	ON (Receiving Indicator Green Light)						
Indicator light	Projector: Power indicator (red); Receiver: Output indicator (green) shading (red)						
Light source	LED Modulated Infrared LED						
Connection mode	Circular aviation socket with special connecting cable, 4 cores of projector and 5 cores 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						

The specifications ofCCT type safety screen are as follows

Unit: mm



外形尺寸 Dimensions



Remarks
H= (n-1) *K=Height of detection L:Total length of light screen n:Optical axis number Z=L+32mm=Center Distance of Fixed Mode of Upper and Lower Right Angle Frames

K:Optical axis spacing L=P+H+J+12mm+12mm

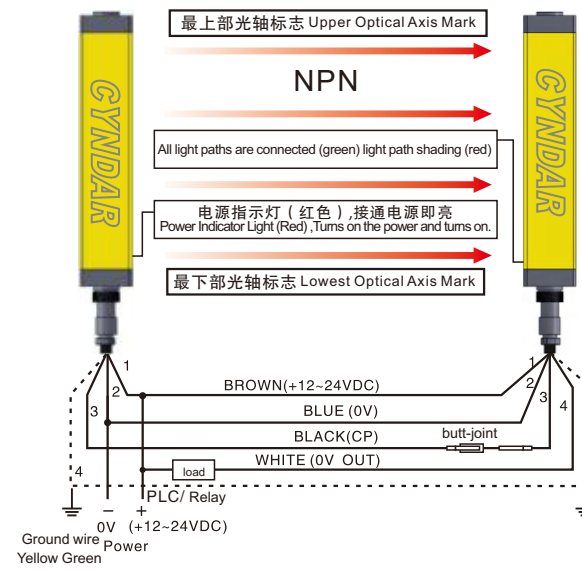
K (mm)	10	14	20	25	30	40	80
P (mm)	5	7	10	12. 5	15	20	40
J (mm)	32	32	25	25	25	25	25

CCT Specification List

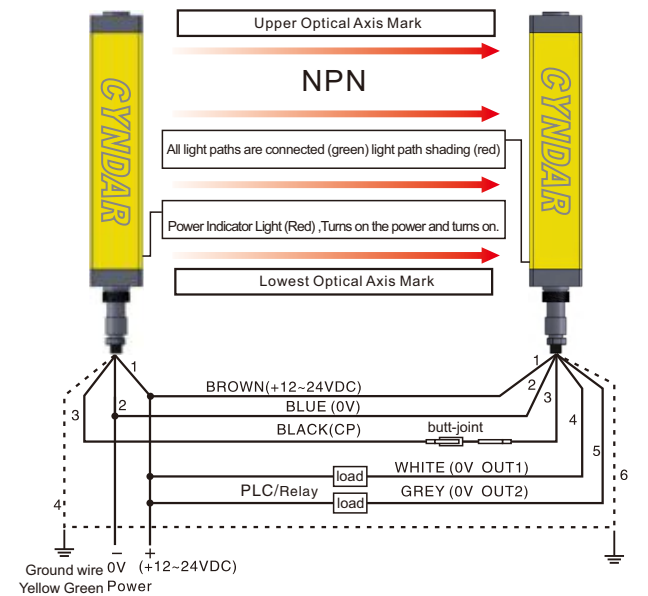
Beam pitch	Light beam	Protection height mm(H)	Screen height mm(l)	Product model	Signal output mode				Detection distance
					NPN	PNP	NPN	PNP	
10mm (K)	6	50	111	CCT06/10-50	A	B	C	D	0.3-3m
	8	70	131	CCT08/10-70	A	B	C	D	0.3-3m
	10	90	151	CCT10/10-90	A	B	C	D	0.3-3m
	12	110	171	CCT12/10-110	A	B	C	D	0.3-3m
	14	130	191	CCT14/10-130	A	B	C	D	0.3-3m
	16	150	211	CCT16/10-150	A	B	C	D	0.3-3m
	18	170	231	CCT18/10-170	A	B	C	D	0.3-3m
	20	190	251	CCT20/10-190	A	B	C	D	0.3-3m
	22	210	271	CCT22/10-210	A	B	C	D	0.3-3m
	24	230	291	CCT24/10-230	A	B	C	D	0.3-3m
	26	250	311	CCT26/10-250	A	B	C	D	0.3-3m
	28	270	331	CCT28/10-270	A	B	C	D	0.3-3m
	30	290	351	CCT30/10-290	A	B	C	D	0.3-3m
	32	310	371	CCT32/10-310	A	B	C	D	0.3-3m
	6	70	133	CCT06/14-70	A	B	C	D	0.3-3m
	8	98	161	CCT08/14-98	A	B	C	D	0.3-3m
14mm (K)	10	126	189	CCT10/14-126	A	B	C	D	0.3-3m
	12	154	217	CCT12/14-154	A	B	C	D	0.3-3m
	14	182	245	CCT14/14-182	A	B	C	D	0.3-3m
	16	210	273	CCT16/14-210	A	B	C	D	0.3-3m
	18	238	301	CCT18/14-238	A	B	C	D	0.3-3m
	20	266	329	CCT20/14-266	A	B	C	D	0.3-3m
	22	294	357	CCT22/14-294	A	B	C	D	0.3-3m
	24	322	385	CCT24/14-322	A	B	C	D	0.3-3m
	26	350	413	CCT26/14-350	A	B	C	D	0.3-3m
	28	378	441	CCT28/14-378	A	B	C	D	0.3-3m
	30	406	469	CCT30/14-406	A	B	C	D	0.3-3m
	32	434	497	CCT32/14-434	A	B	C	D	0.3-3m
	4	60	119	CCT04/20-60	A	B	C	D	0.3-3m
	6	100	159	CCT06/20-100	A	B	C	D	0.3-3m
	8	140	199	CCT08/20-140	A	B	C	D	0.3-3m
	10	180	239	CCT10/20-180	A	B	C	D	0.3-3m
20mm (K)	12	220	279	CCT12/20-220	A	B	C	D	0.3-3m
	14	260	319	CCT14/20-260	A	B	C	D	0.3-3m
	16	300	359	CCT16/20-300	A	B	C	D	0.3-3m
	18	340	399	CCT18/20-340	A	B	C	D	0.3-3m
	20	380	439	CCT20/20-380	A	B	C	D	0.3-3m
	22	420	479	CCT22/20-420	A	B	C	D	0.3-3m
	24	460	519	CCT24/20-460	A	B	C	D	0.3-3m
	26	500	559	CCT26/20-500	A	B	C	D	0.3-3m
	28	540	599	CCT28/20-540	A	B	C	D	0.3-3m
	30	580	639	CCT30/20-580	A	B	C	D	0.3-3m
	32	620	679	CCT32/20-620	A	B	C	D	0.3-3m
	6	125	186.5	CCT06/25-125	A	B	C	D	0.3-3m
	8	175	236.5	CCT08/25-175	A	B	C	D	0.3-3m
	10	225	286.5	CCT10/25-225	A	B	C	D	0.3-3m
	12	275	336.5	CCT12/25-275	A	B	C	D	0.3-3m
25mm (K)	14	325	386.5	CCT14/25-325	A	B	C	D	0.3-3m
	16	375	436.5	CCT16/25-375	A	B	C	D	0.3-3m
	18	425	486.5	CCT18/25-425	A	B	C	D	0.3-3m
	20	475	536.5	CCT20/25-475	A	B	C	D	0.3-3m
	22	525	586.5	CCT22/25-525	A	B	C	D	0.3-3m
	24	575	636.5	CCT24/25-575	A	B	C	D	0.3-3m
	26	625	686.5	CCT26/25-625	A	B	C	D	0.3-3m
	28	675	736.5	CCT28/25-675	A	B	C	D	0.3-3m
	30	725	786.5	CCT30/25-725	A	B	C	D	0.3-3m
	32	775	836.5	CCT32/25-775	A	B	C	D	0.3-3m
	4	90	154	CCT04/30-90	A	B	C	D	0.3-3m
	6	150	214	CCT06/30-150	A	B	C	D	0.3-3m
	8	210	274	CCT08/30-210	A	B	C	D	0.3-3m
	10	270	334	CCT10/30-270	A	B	C	D	0.3-3m
	12	330	394	CCT12/30-330	A	B	C	D	0.3-3m
	14	390	454	CCT14/30-390	A	B	C	D	0.3-3m
30mm (K)	16	450	514	CCT16/30-450	A	B	C	D	0.3-3m
	18	510	574	CCT18/30-510	A	B	C	D	0.3-3m
	20	570	634	CCT20/30-570	A	B	C	D	0.3-3m
	22	630	694	CCT22/30-630	A	B	C	D	0.3-3m
	24	690	754	CCT24/30-690	A	B	C	D	0.3-3m
	26	750	814	CCT26/30-750	A	B	C	D	0.3-3m
	28	810	874	CCT28/30-810	A	B	C	D	0.3-3m
	30	870	934	CCT30/30-870	A	B	C	D	0.3-3m
	32	930	994	CCT32/30-930	A	B	C	D	0.3-3m
	4	120	189	CCT04/40-120	A	B	C	D	0.3-3m
	6	200	269	CCT06/40-200	A	B	C	D	0.3-3m
	8	280	349	CCT08/40-280	A	B	C	D	0.3-3m
	10	360	429	CCT10/40-360	A	B	C	D	0.3-3m
	12	440	509	CCT12/40-440	A	B	C	D	0.3-3m
	14	520	589	CCT14/40-520	A	B	C	D	0.3-3m
	16	600	669	CCT16/40-600	A	B	C	D	0.3-3m
40mm (K)	18	680	749	CCT18/40-680	A	B	C	D	0.3-3m
	20	760	829	CCT20/40-760	A	B	C	D	0.3-3m
	22	840	909	CCT22/40-840	A	B	C	D	0.3-3m
	24	920	989	CCT24/40-920	A	B	C	D	0.3-3m
	26	1000	1069	CCT26/40-1000	A	B	C	D	0.3-3m
	28	1080	1149	CCT28/40-1080	A	B	C	D	0.3-3m
	30	1160	1229	CCT30/40-1160	A	B	C	D	0.3-3m
	32	1240	1309	CCT32/40-1240	A	B	C	D	0.3-3m
	4	240	329	CCT04/80-240	A	B	C	D	0.3-3m
	6	400	489	CCT06/80-400	A	B	C	D	0.3-3m
	8	560	649	CCT08/80-560	A	B	C	D	0.3-3m
	10	720	809	CCT10/80-720	A	B	C	D	0.3-3m
	12	880	969	CCT12/80-880	A	B	C	D	0.3-3m
	14	1040	1129	CCT14/80-1040	A	B	C	D	0.3-3m
	16	1200	1289	CCT16/80-1200	A	B	C	D	0.3-3m
	18	1360	1449	CCT18/80-1360	A	B	C	D	0.3-3m
80mm (K)	20	1520	1609	CCT20/80-1520	A	B	C	D	0.3-3m
	22	1680	1769	CCT22/80-1680	A	B	C	D	0.3-3m
	24	1840	1929	CCT24/80-1840	A	B	C	D	0.3-3m
	26	2000	2089	CCT26/80-2000	A	B	C	D	0.3-3m
	28	2160	2249	CCT28/80-2160	A	B	C	D	0.3-3m
	30	2320	2409	CCT30/80-2320	A	B	C	D	0.3-3m
	32	2480	2569	CCT32/80-2480	A	B	C	D	0.3-3m

备注：输出方式详见上一页规格说明，如无要求默认为A图。特殊规格可另外订做，检测距离达3-6米需提前说明。
Note: The output mode is detailed in the specifications on the previous page. If there is no requirement, the default is figure A. special specifications can be customized separately, and the detection distance up to 3-6M needs to be specified in advance.

CCT 4、5core series wiring diagram

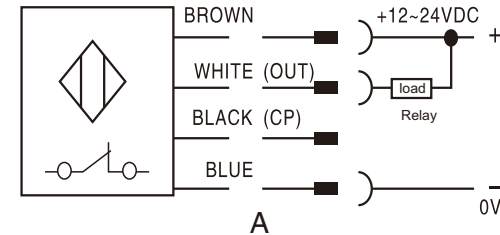


CCT NPN dual output 4 core, 6 core wiring diagram

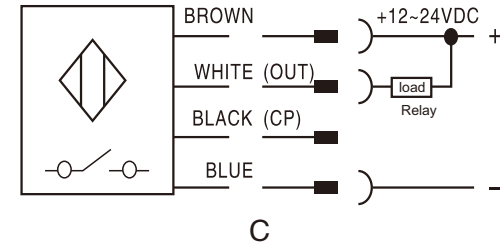


CCT signal output selection (actual output of transistor working normally)

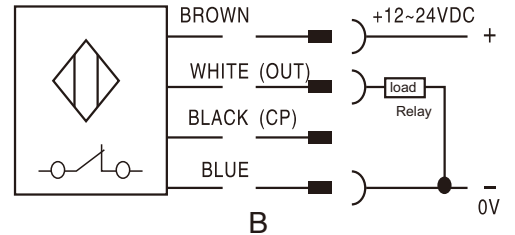
NPN NC



NPN NO



PNP PC



PNP PO

