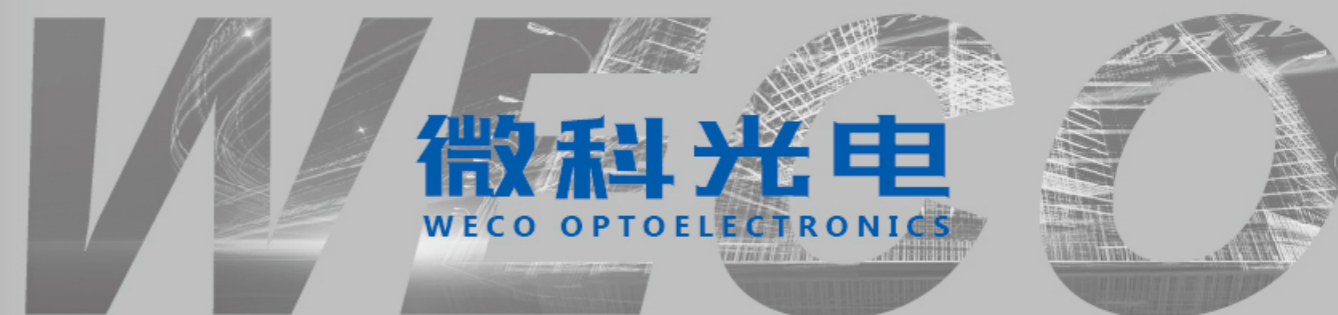


WECO



WECO | 宁波微科光电股份有限公司
NINGBO WECO OPTOELECTRONICS CO.,LTD.

地址：宁波市北仑区大碶工业区龙潭山路51号
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宁波微科光电股份有限公司
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Meticulous Penetrating Technological Innovation



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WECO
微科光电
WECO OPTOELECTRONICS



公司简介

COMPANY PROFILE

宁波微科光电股份有限公司成立于2004年，是从事电梯光幕的设计研发、制造销售的专业厂家，是全球最大的电梯光幕生产企业之一。

NINGBO WECO OPTOELECTRONICS CO., LTD was established in 2004 and specializes in designing, developing, manufacturing of elevator door detector, WECO is the largest door detector manufacturer in the world.

公司坐落于中国宁波经济技术开发区，注册资本6,000万人民币。公司具备年生产140万套电梯光幕的生产能力。微科光幕远销欧洲、加拿大、美国、日本、新加坡、澳大利亚等多个国家，并设立了海外营销网络。2017年公司销售电梯光幕96万套。

Located in the Ningbo Economic& Tech Developing Zone, with registered capital 60 million RMB, WECO is able to produce 1,400,000 sets of elevator door detectors annually, WECO sells it's product to many countries around the world, such as Europe countries, Canada, The U.S, Singapore and Australia, additionally, WECO has established the global sales network. WECO sold 960,000 sets of elevator door detector in 2017.

公司是国家级高新技术企业，拥有省级技术研发中心、电梯光幕专业实验室，高校产学研合作实验室。微科光幕属于公司自主研发产品，拥有全部知识产权，包括3项发明专利、几十项实用新型专利和多项软件注册权。

As a National High-tech enterprise, WECO has a R&D center at provincial level, professional light curtain laboratories and a laboratory set up with University. WECO has independent intellectual property rights including 3 invention patents, dozens of utility model patents and a number of software copyrights.

公司通过ISO9001质量管理体系，ISO14001环境管理体系和OHSAS18001职业健康安全管理体系认证，通过OTIS Q+认证。

WECO cares strongly about the environment and obtained ISO9001 Quality Management System, ISO14001 Environment systems, OHSAS18001 occupational health safety management systems, as well as OTIS Q+ certification.

- 浙江名牌产品
Famous brand products in Zhejiang
- 省级研发中心
Provincial research & development center
- 国家火炬计划项目承接单位
National Torch Plan Project
- 守合同重信用单位
Contract keeping and Credit First Company





生产车间 PRODUCTION WORKSHOP

微科拥有设备先进的生产车间，成熟的工作流程，规范的生产作业模式，全球领先的生产技术，为微科在全球市场上赢得广泛青睐与荣誉。

WECO has advanced production workshop, mature work flow, standardized production mode, leading production technology in the world, which wins wide favor and honor for Microscience in the global market.



SMT生产线
SMT production line

产品老化房
Product aging room

光幕装配流水线
Light screen assembly pipeline

光幕自动测试线
Light screen automated testing line

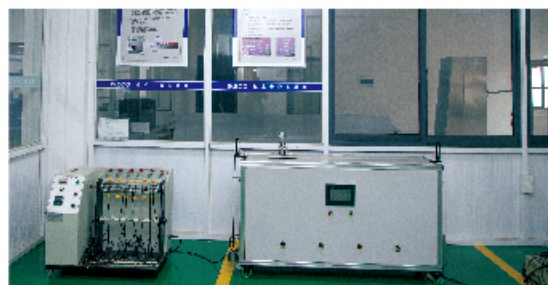
光幕包装流水线
Light screen packaging line



技术中心
TECHNOLOGY CENTER



光幕寿命测试
Light Curtain Lifetime Test



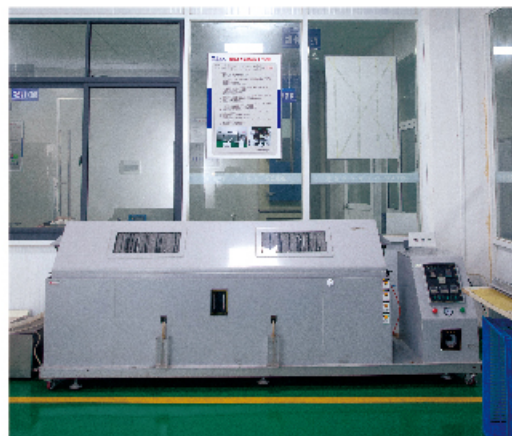
电缆弯曲测试
Cable Bending Test



防水测试
Rain Test



沙尘测试
Sand Dust Test



盐雾腐蚀测试
Salt Spray Corrosion Test



冷热冲击测试
Thermal Shock Test



红外线电梯光幕 Infra Red Elevator Door Detector

标准规格



例: WECO-917 A 6 1 - AC220

电源及输出接口配置:

- AC220: 185V ~ 290VAC, 50/60Hz控制盒, 1NO/1NC继电器输出
- AC110: 110VAC ± 20%, 50/60Hz控制盒, 1NO/1NC继电器输出
- DC24A: 24VDC ± 10%控制盒、1NO/1NC继电器输出
- DC24B: 15 ~ 30VDC无控制盒、1NO NPN晶体管输出
- DC24C: 15 ~ 30VDC无控制盒、1NC NPN晶体管输出
- DC24D: 15 ~ 30VDC无控制盒、1NO PNP晶体管输出
- DC24E: 15 ~ 30VDC无控制盒、1NC PNP晶体管输出
- DC24F: 15 ~ 30VDC无控制盒、1NC 继电器输出
- DC24G: 15 ~ 30VDC无控制盒、1NO 继电器输出
- DC24H: 24VDC安全功能控制盒
- DC24S: 15 ~ 30VDC无控制盒、智能光幕

连接电缆:

- 1: 3.5m 2根, 适用于标准中分门电梯
- 2: 3.5m 2根, 适用于旁开门电梯
- 3: 2.5m、4.5m 各1根, 适用于新型旁开门电梯
- 4: 5m 2根, 适用于中分双折门电梯

红外发射/接收管数量:

- 6: 17对
- 4: 20对
- 7: 32对
- 5: 36对
- 8: 40对
- 9: 48对

型材外型:

- A
- B
- C
- ...
- G
- ...
- Z

WECO-917系列: WECO-917
 WECO-957系列: WECO-957
 WECO-987系列: WECO-987

备注: 36对以上产品符合EN81-20标准(二合一光幕除外), 987系列带故障输出功能。

技术参数	917	957						987				
基本参数												
红外管数量	17对	32对	17对	20对	32对	36对	40对	48对	20对	36对	40对	
响应时间	继电器输出	45ms	61ms	45ms	48ms	61ms	65ms	69ms	77ms	48ms	65ms	69ms
	晶体管输出	21ms	37ms	21ms	24ms	37ms	41ms	45ms	53ms	24ms	41ms	45ms
扫描光束	94~33束	154~94束	94~33束	94~58束	154~94束	174~106束	194~118束	234~142束	94~58束	174~106束	194~118束	
红外管间距	118mm	59mm	118mm	84mm	59mm	48mm	48mm	40mm	84mm	48mm	48mm	
最低光束	≤20mm											
最高光束	≥1800mm		≥1600mm		≥1800mm	≥1600mm	≥1800mm	≥1900mm	≥1600mm		≥1800mm	
冗余功能 (允许一个发射管在故障后 120s 被屏蔽)	○	●	○	●	○							
位置允差	上下方向: ±15mm/7°, 前后方向: ±3mm/5°											
工作距离	0 ~ 4000mm											
使用环境温度	-20° C ~ +65° C											
可靠性												
抗光干扰能力	100000Lux.	能在任何阳光自然照度环境下正常工作										
外观防护等级	详见产品目录											
振动测试	X-Y-Z 三轴各 4小时, 频率 20 ~ 500Hz, 30Hz 正弦波振动各 30分钟											
环境试验 (高低温)	GB/T2423.1 — GB/T2423.4											
电磁兼容性												
EN12015 EN12016	一般电路等级	安全电路等级										
功能												
指示功能		接收器黄色受电指示灯 		接收器红色状态指示灯 								
故障输出功能 (配带故障输出功能控制盒)		○						●				

参数如有变更, 恕不另行通知



红外线电梯光幕
Infra Red Elevator Door Detector

Model Definitions



example: WECO-917 A 6 1 - AC220

Power and system output options:
 AC220 : 185V ~ 290VAC,50/60Hz power box , 1NO/1NC relay output
 AC110 : AC110V ± 20%,50/60Hz power box , 1NO/1NC relay output
 DC24A : 24VDC ± 10% power box , 1NO/1NC relay output
 DC24B : 15 ~ 30VDC direct input , 1NO NPN output
 DC24C : 15 ~ 30VDC direct input , 1NC NPN output
 DC24D : 15 ~ 30VDC direct input , 1NO PNP output
 DC24E : 15 ~ 30VDC direct input , 1NC PNP output
 DC24F : 15 ~ 30VDC direct input , 1NC relay output
 DC24G : 15 ~ 30VDC direct input , 1NO relay output
 DC24H : 24VDC safety function power box
 DC24S : 15 ~ 30VDC direct input , intelligent light curtain

Connection Cable:
 1 : 3.5m×2pcs, for standard central-opening lift doors
 2 : 3.5m×2pcs, for side opening lift doors
 3 : 2.5m 、 4.5m×1pcs, for new side opening lift doors
 4 : 5m×2pcs, for Two Panel central-opening lift doors

TX/RX Number:
 6 : 17 Diode sets
 4 : 20 Diode sets
 7 : 32 Diode sets
 5 : 36 Diode sets
 8 : 40 Diode sets
 9 : 48 Diode sets

Profile:
 A
 B
 C
 ...
 G
 ...
 Z

WECO-917 series: WECO-917
 WECO-957 series: WECO-957
 WECO-987 series: WECO-987

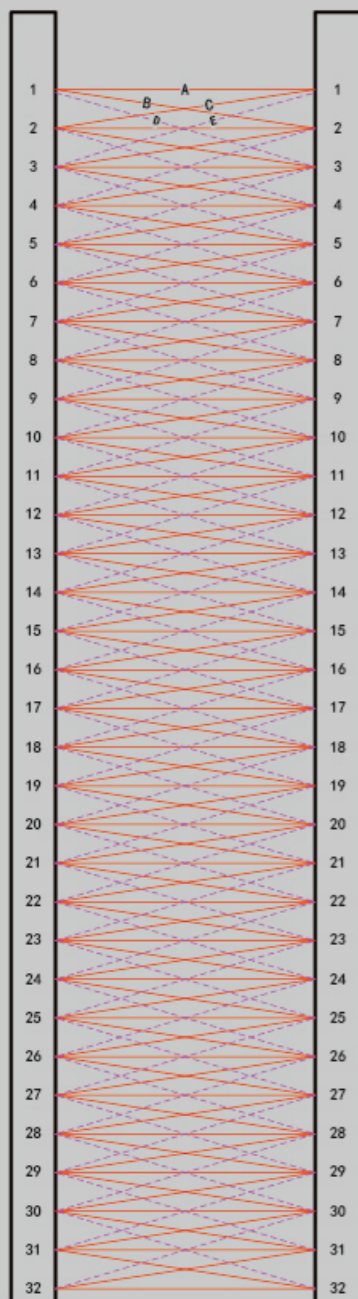
* Products with no less than 36sets diodes is compliant to EN81-20 (2 in 1 light curtain excluded).
 987 Series has fault signal output function.

Technical Parameters	917	957						987				
Technical Features												
Number of Infra Red Diodes	17 Diode sets	32 Diode sets	17 Diode sets	20 Diode sets	32 Diode sets	36 Diode sets	40 Diode sets	48 Diode sets	20 Diode sets	36 Diode sets	40 Diode sets	
Response Time	relay output	45ms	61ms	45ms	48ms	61ms	65ms	69ms	77ms	48ms	65ms	69ms
	transistor output	21ms	37ms	21ms	24ms	37ms	41ms	45ms	53ms	24ms	41ms	45ms
Scanning Beams	94~33 Beams	154~94 Beams	94~33 Beams	94~58 Beams	154~94 Beams	174~106 Beams	194~118 Beams	234~142 Beams	94~58 Beams	174~106 Beams	194~118 Beams	
infrared diodes range	118mm	59mm	118mm	84mm	59mm	48mm	48mm	40mm	84mm	48mm	48mm	
The mimimum door opening	≤ 20mm											
The Maximum door opening	≥ 1800mm		≥ 1600mm		≥ 1800mm	≥ 1600mm	≥ 1800mm	≥ 1900mm	≥ 1600mm		≥ 1800mm	
Redundancy (One transmitter shielded after 120s detected absent)	○	●	○	●	○							
Tolerance	Up/down: ± 15mm/ 7°						Back/forth: ± 3mm/ 5°					
Detecting Range	0 ~ 4000mm											
Operating Temperature	-20° C ~ +65° C											
Reliability												
Light Immunity	100000Lux.	Sunlight proof										
Protection Level	See productcatalog											
Vibration	Vibration 20 to 500Hz 4hrs per X-Y-Z axis, sinusoidal vibration 30Hz rms 30mins per X-Y-Z axis											
enviromment test (high & low temperature)	GB/T2423.1 —GB/T2423.4											
EMC												
EN12015	general circuit level	safety circuit level										
EN12016												
Function												
LED Interpretation		Yellow LED power indicator in receiver					RedLED status indicator in receiver					
malfunction output (with function malfunction output power box)	○						●					

The parameters are subject to change without notice



光路设计 Beam Pathways



154束光路图

光管对数: 32对
保护高度: 20mm-1841mm

光束:

- 1、A类水平光束共32束
- 2、B类下斜光束共31束
- 3、C类上斜光束31束
- 4、D类光束30束
- 5、E类光束30束

共计154束

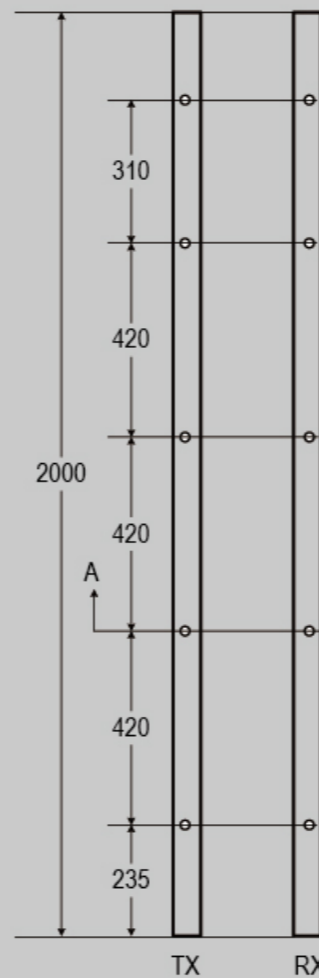
154 beams drawing

Number of In fra Red Diodes:
32 Diode sets
protection heigh: 20mm-1841mm

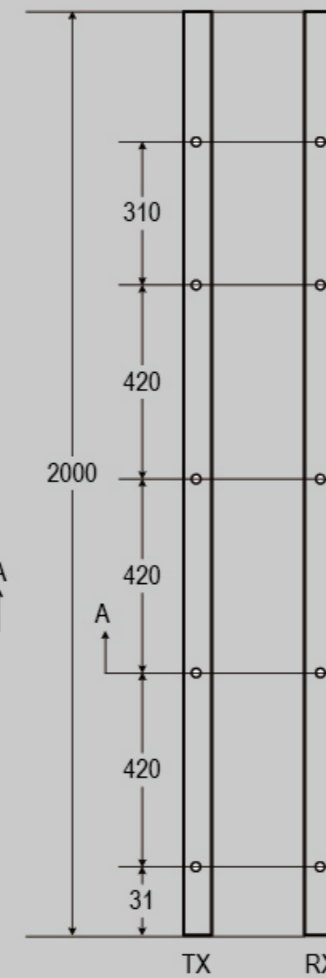
Beam :

- 1.A type horizontal 32 beams
- 2.B type declivity 31 beams
- 3.C type acclivity 31 beams
- 4.D type 30 beams
- 5.E type 30 beams
- totally 154 beams

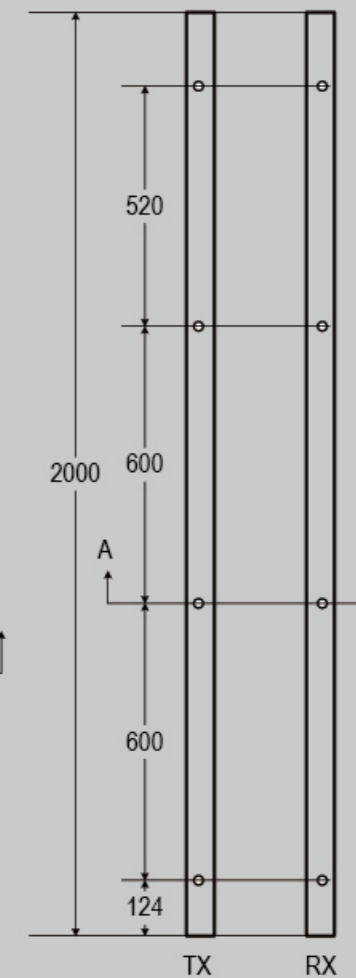
安装孔位 Mounting Holes



17、32、36、40 对 (光管) 光幕安装孔位
17、32、36、40 diodes door detector installation holes



20 对 (光管) 光幕安装孔位
20 diodes door detector installation holes



48 对 (光管) 光幕安装孔位
48 diodes door detector installation holes



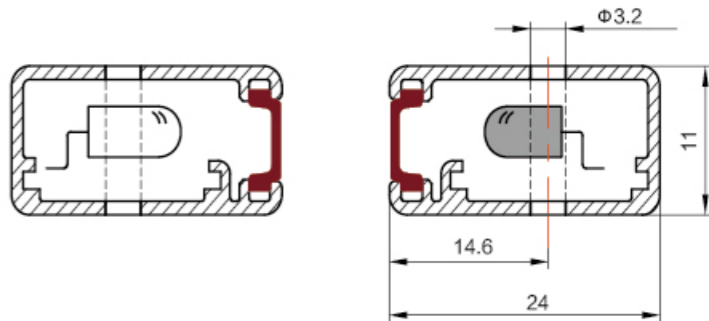
红外线电梯光幕
Infra Red Elevator Door Detector



A型截面

A Model Sectional Drawing

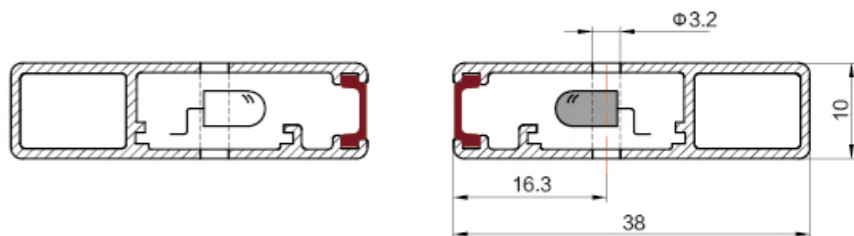
IP54



B型截面

B Model Sectional Drawing

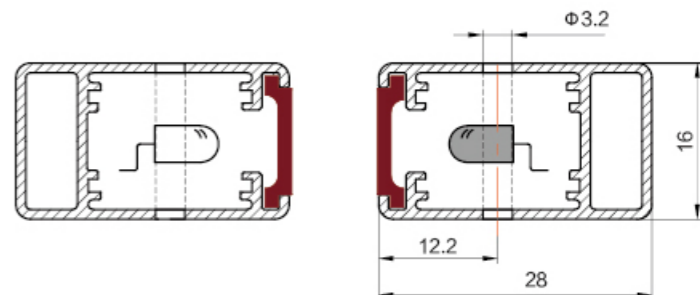
IP54



C型截面

C Model Sectional Drawing

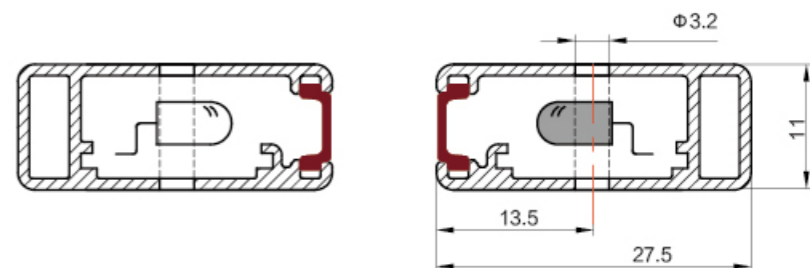
IP54



L型截面

L Model Sectional Drawing

IP54



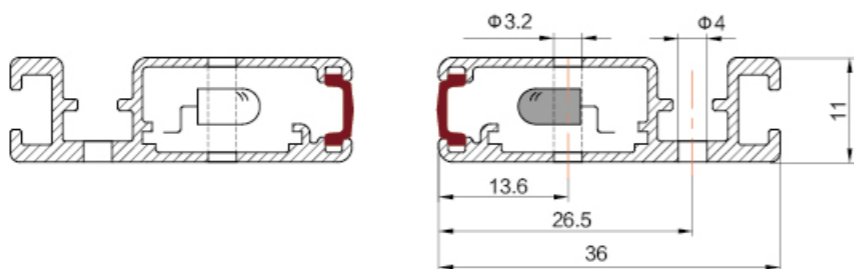


红外线电梯光幕 Infra Red Elevator Door Detector

N型截面

N Model Sectional Drawing

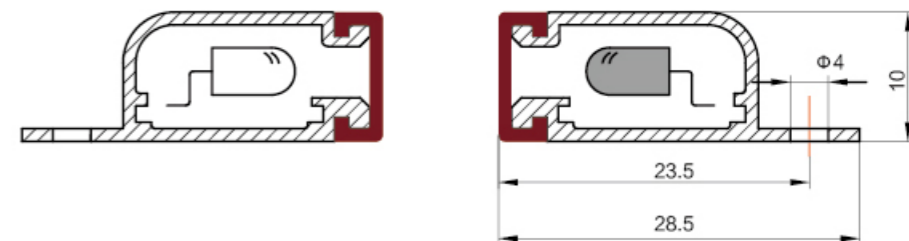
IP54



M型截面

M Model Sectional Drawing

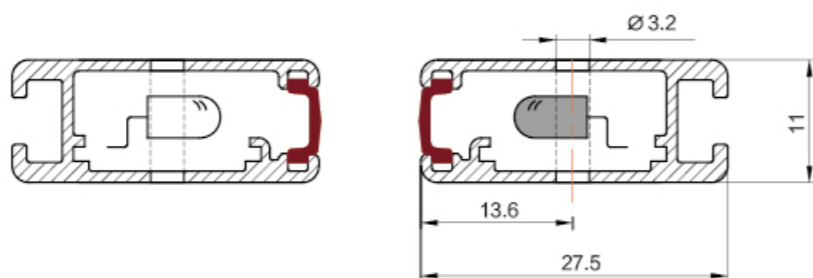
IP65



Q型截面

Q Model Sectional Drawing

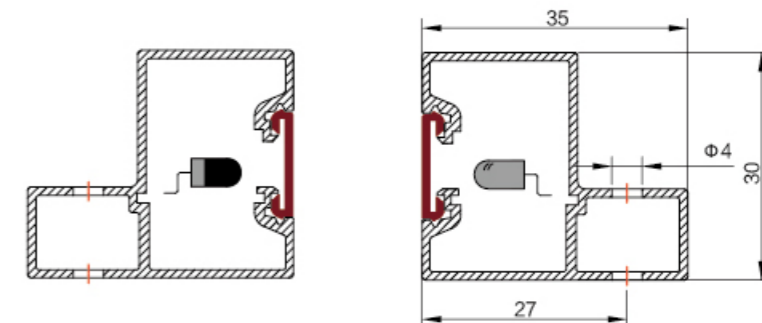
IP54



Z型截面

Z Model Sectional Drawing

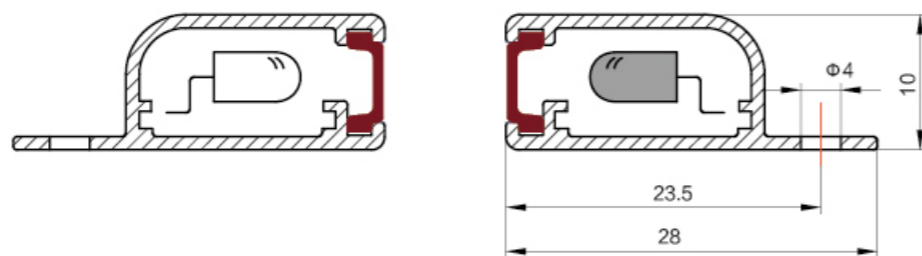
IP65



K型截面

K Model Sectional Drawing

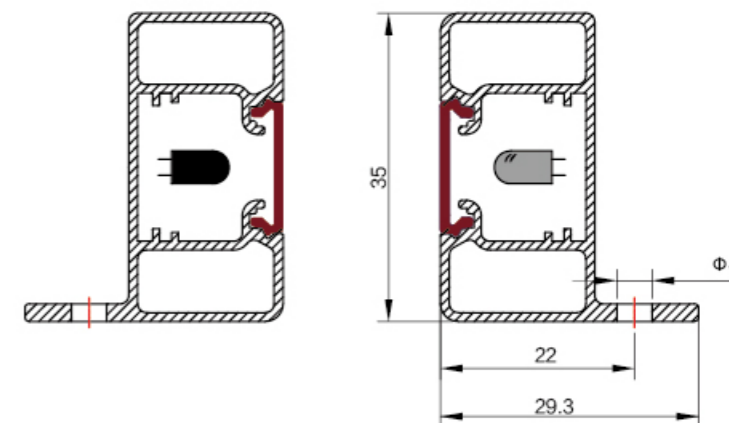
IP54



Y型截面

Y Model Sectional Drawing

IP54/65



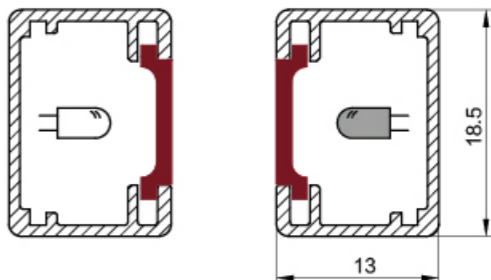


红外线电梯光幕
Infra Red Elevator Door Detector



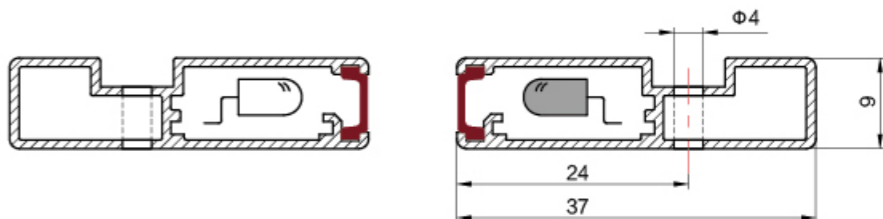
H型截面
H Model Sectional Drawing

IP54



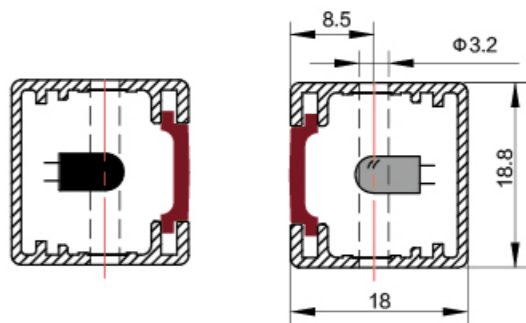
V型截面
V Model Sectional Drawing

IP54



T型截面
T Model Sectional Drawing

IP54



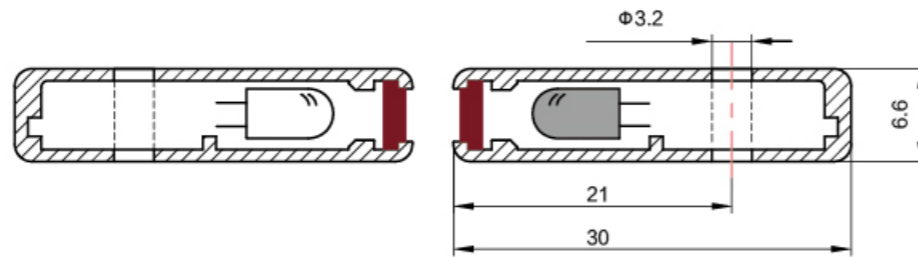


SIX型截面

SIX Model Sectional Drawing

IP54

薄形光幕 Slim Mdel

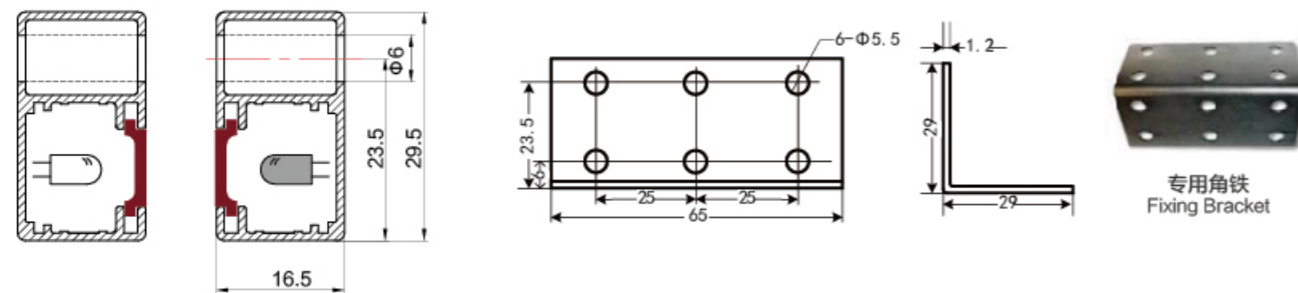


- 防护高度1250-1840m自动调整
Automatically adjusting detecting height from 1250mm to1840mm

P型截面

P Model Sectional Drawing

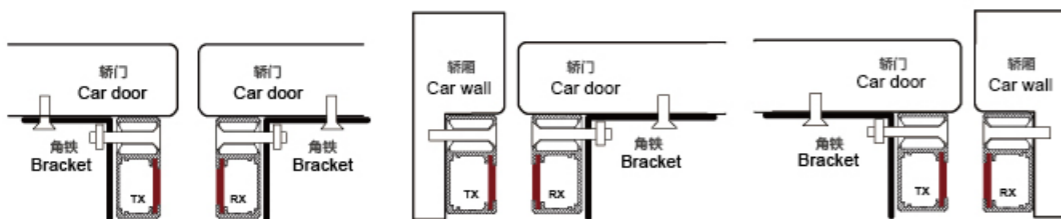
IP54



中分式安装
Centreal Opening
installation

右旁开式安装
Right Side Opening
Installation

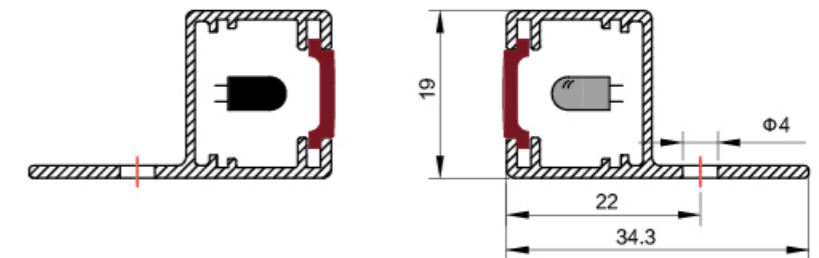
左旁开式安装
Left Side Opening
Installation



R型截面

R Model Sectional Drawing

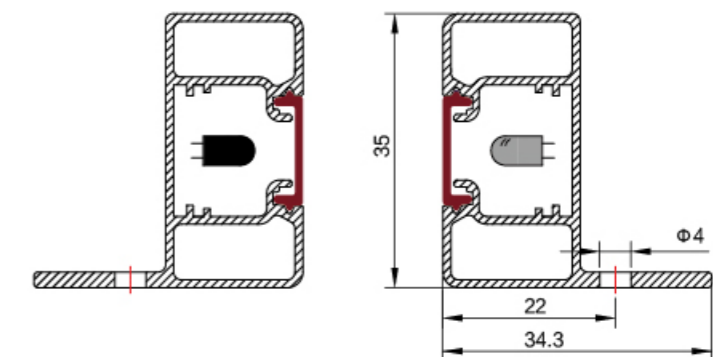
IP54



U型截面

U Model Sectional Drawing

IP54/65





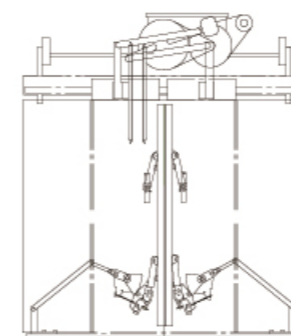
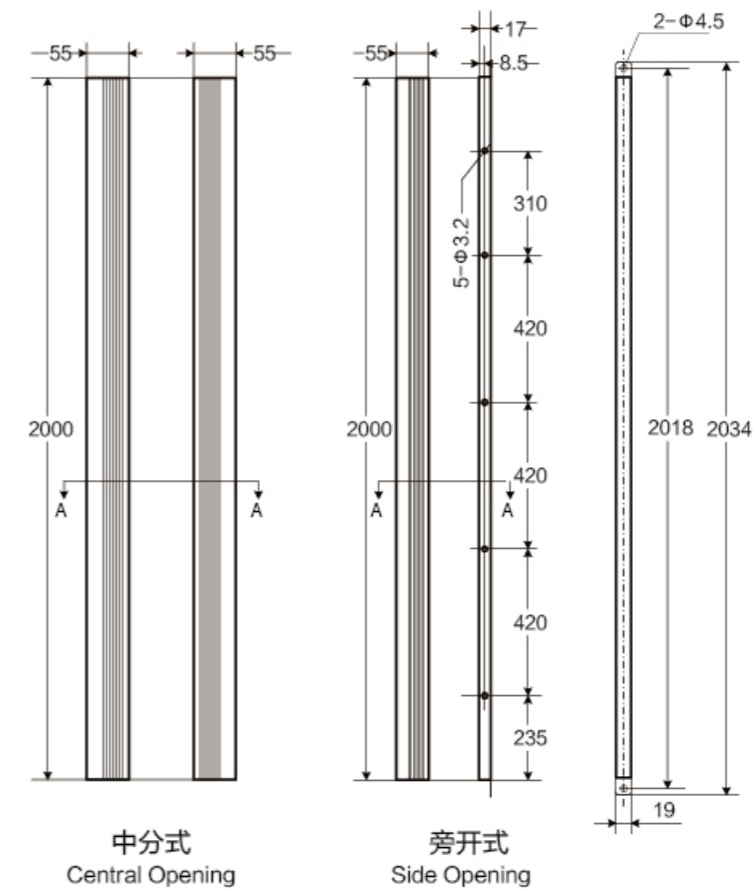
红外线电梯光幕
Infra Red Elevator Door Detector



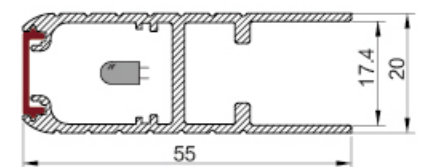
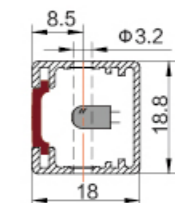
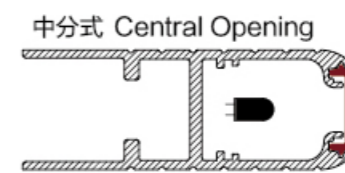
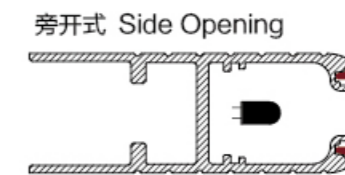
E型截面

E Model Sectional Drawing

IP54



使用配套的联动机构 (需订购,见附页)
安装光幕
Please purchase matched mechanical
brackets for installation





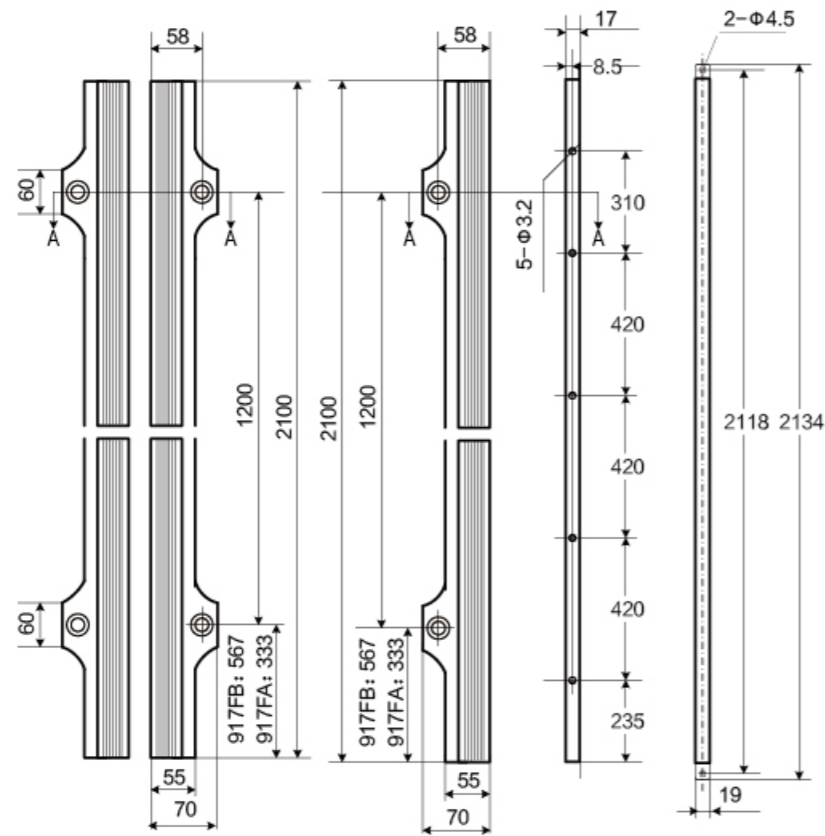
红外线电梯光幕

Infra Red Elevator Door Detector

F型截面

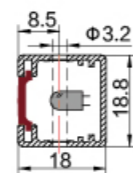
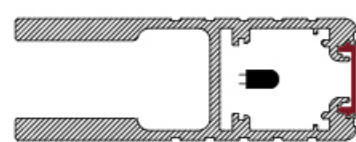
F Model Sectional Drawing

IP54

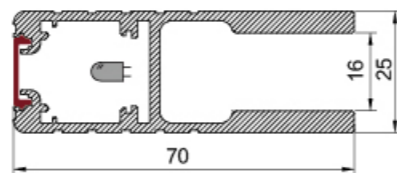
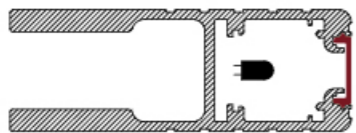


中分式 Central Opening 旁开式 Side Opening

旁开式 Side Opening



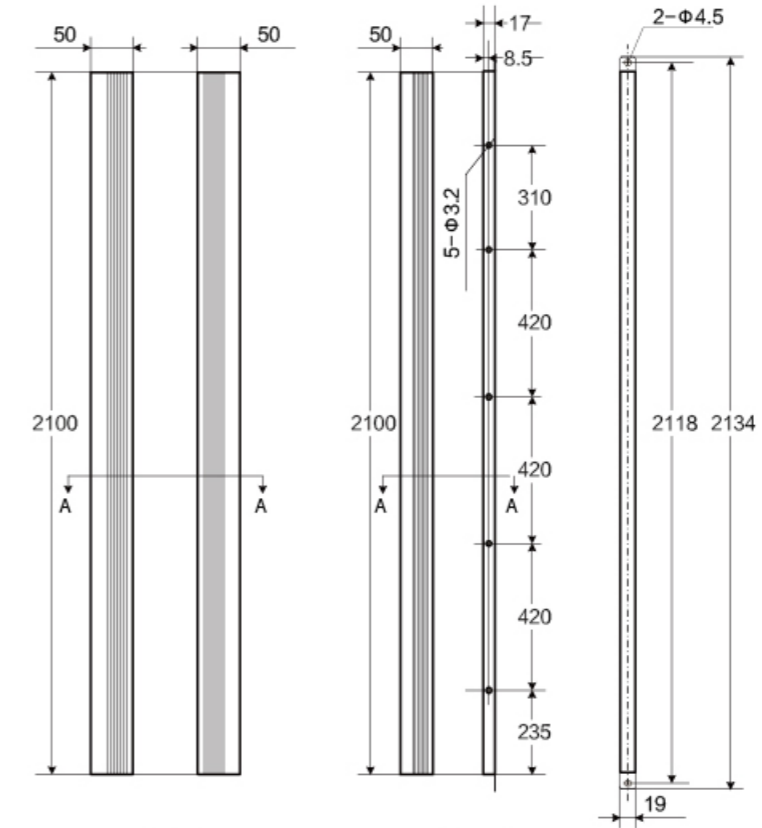
中分式 Central Opening



G型截面

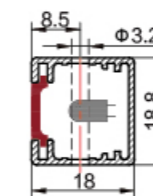
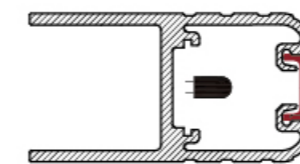
G Model Sectional Drawing

IP54

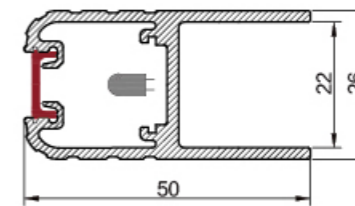
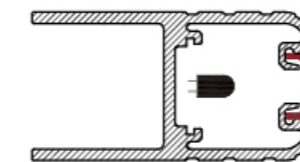


中分式 Central Opening 旁开式 Side Opening

旁开式 Side opening



中分式 Central opening



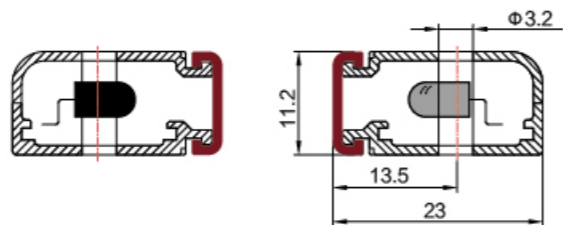


红外线电梯光幕 Infra Red Elevator Door Detector

MA型截面

MA Model Sectional Drawing

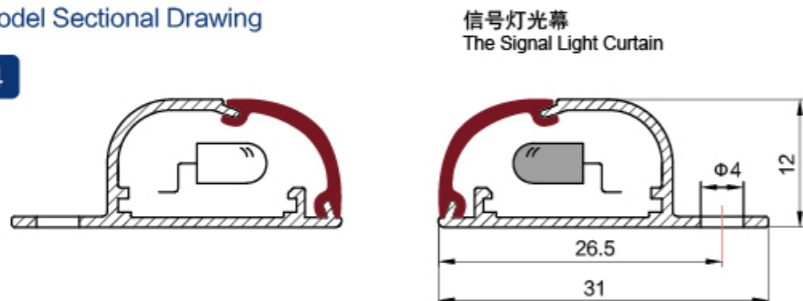
IP64



MR型截面

MR Model Sectional Drawing

IP54



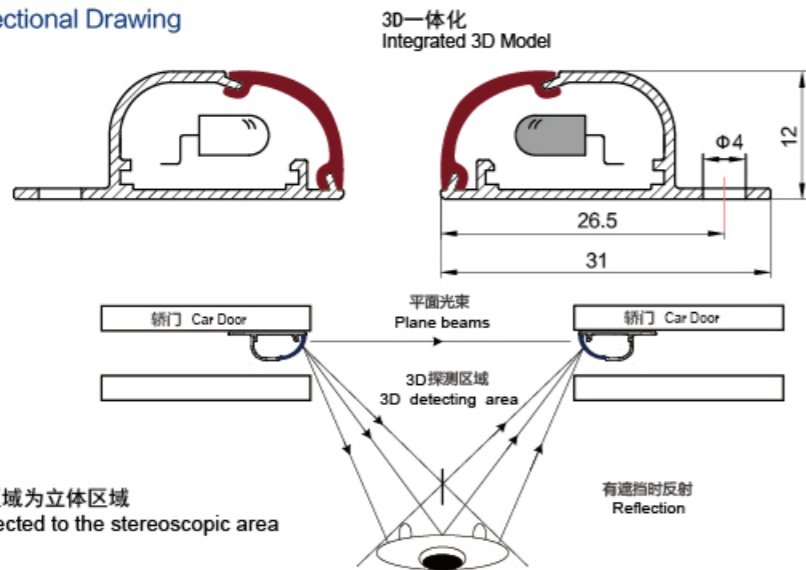
WECO-917MR光幕为常规光幕上，加装有CPU控制的动态扫描的LED发光管，带状双色LED显示光幕防护区域状态，使光幕在正常的保护功能上，更具视觉效果、更加人性化。

WECO-917MR increased the dynamic scanning LED controlled by CPU on normal door detector, with bi-color LED display the door detector protection area status for better visual effects and humanization.

MD型截面

MD Model Sectional Drawing

IP54



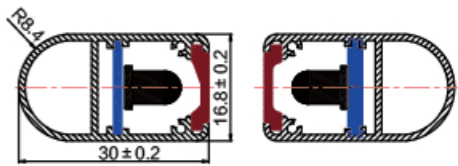
★ 三维保护，探测区域为立体区域
3D protection, detected to the stereoscopic area

特殊用途电梯光幕 Special purpose elevator door detector



型材RH截面

RH Model Sectional Drawing



应用场合：餐梯、杂物梯等特殊类型电梯，长度520mm-1500mm
Application: Special as dumbwaiter lift, the length is from 520mm to 1500mm

车辆分离光幕 Vehicle separation light curtain

应用场合：高速路收费站、不停车收费系统、自动车辆分类系统、公路记重收费系统等
Application: Highway toll stations, ETC, automatic vehicle classification systems, highway toll collection systems, etc.

产品特点：可自学习安装环境，具有自动消隐功能；检测距离达到10M；无需额外校正，自动适应；
Product Features: self-learning installation with automatic blanking function; 10m detecting range; auto-adaptation;



安装方式 Installation Method

发射器、接收器移动式安装 TX、RX Free Installation

光幕的移动式安装是指光幕的发射器、接收器或其中一个被固定在轿门上并随轿门一起移动的安装使用方式。一般情况下，发射器及接收器被固定在轿门的折边上，如右图所示。

Elevator light curtain free installation refers to a mounting method that TX and RX or anyone of them is fixed on and moves with the car door. Mostly, the transmitter and receiver are fixed on the car door edge, as shown in the right picture.

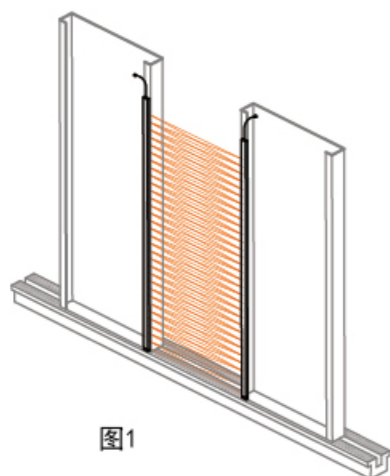


图1

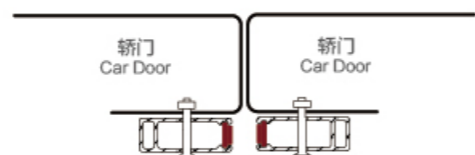


图3:中分门安装方式,用螺丝将光幕固定在电梯轿门的折边上
Figure 3: Central opening installation, the door detector is fixed on the folding of elevator car door with screws

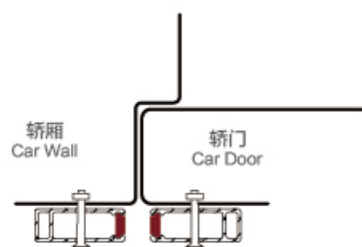


图2:新型旁开门安装方式,用螺丝分别将光幕固定在电梯的轿厢和轿门的折边上
Figure 2: New side opening lift doors installation, the door detector (TX' RX) is fixed separately on the folding of elevator car and car door with screws

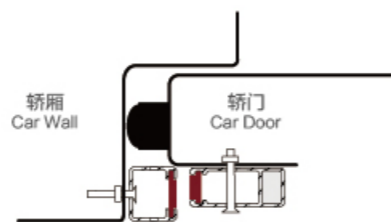


图4:旁开门安装方式,用螺丝分别将光幕固定在电梯的轿厢和轿门的折边上
Figure 4: Side opening installation: the door detector (TX' RX) is fixed separately on the folding of elevator car and car door with screws

发射器、接收器固定式安装 TX、RX Fixed Installation

光幕的固定式安装是指将光幕的发射器、接收器通过固定支架固定在轿门地坎末端的安装使用方式。发射器、接收器不随轿门一起移动。如右图所示。

Elevator light curtain's fixed installation refers to a mounting method that TX and RX are fixed on the end sill of car door with a mounting bracket. The TX and RX are not move together with car door, as shown in the right picture.

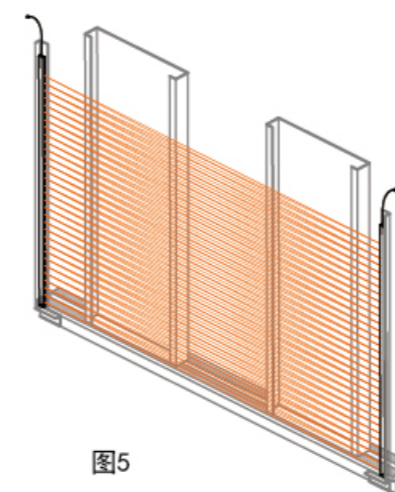


图5

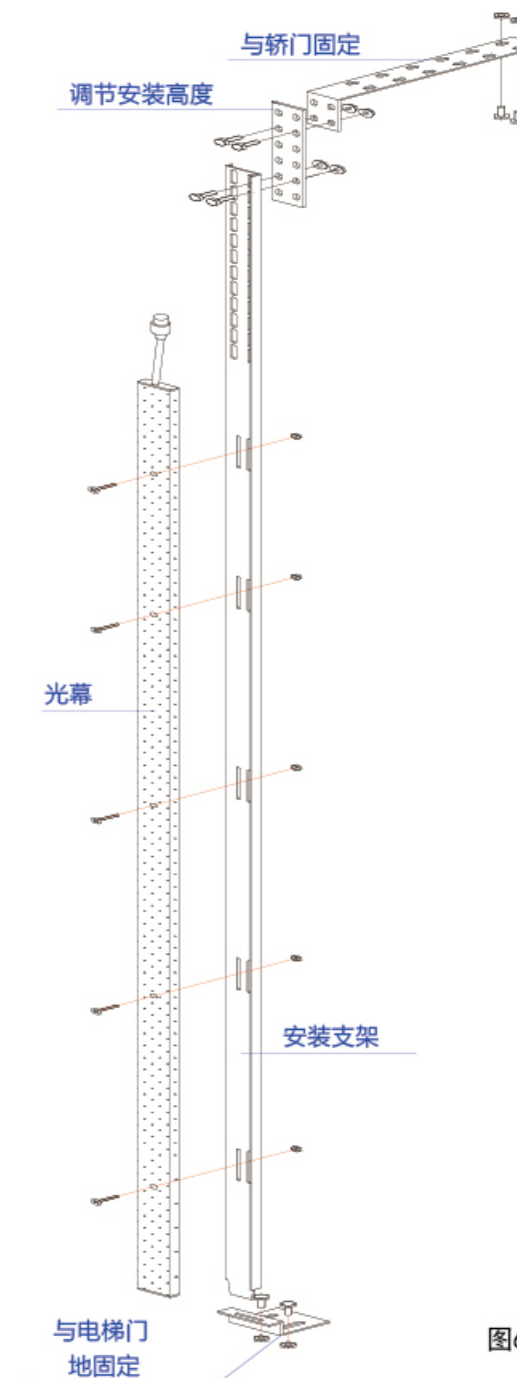
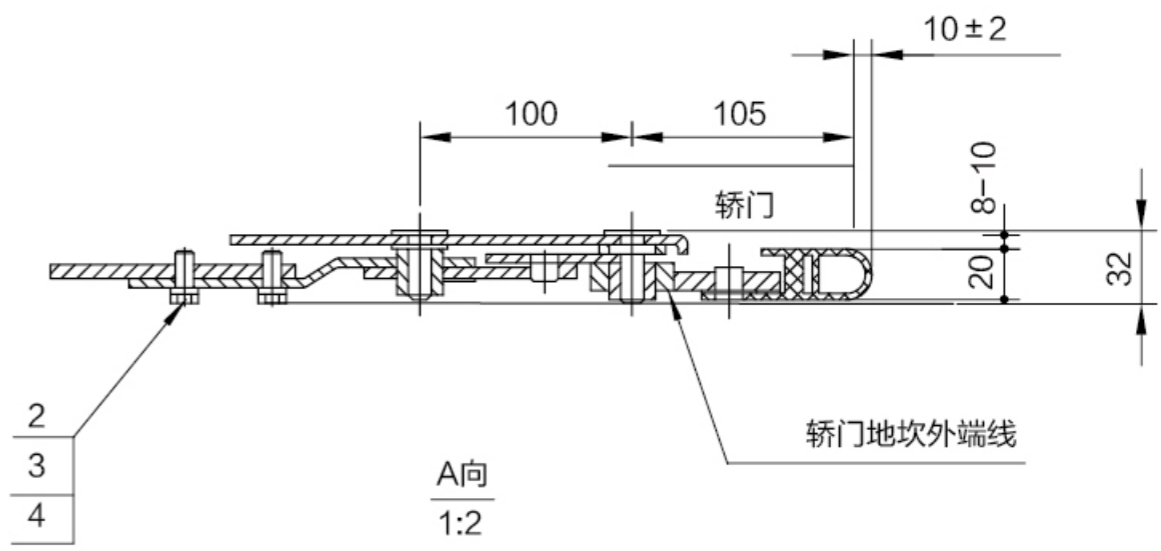
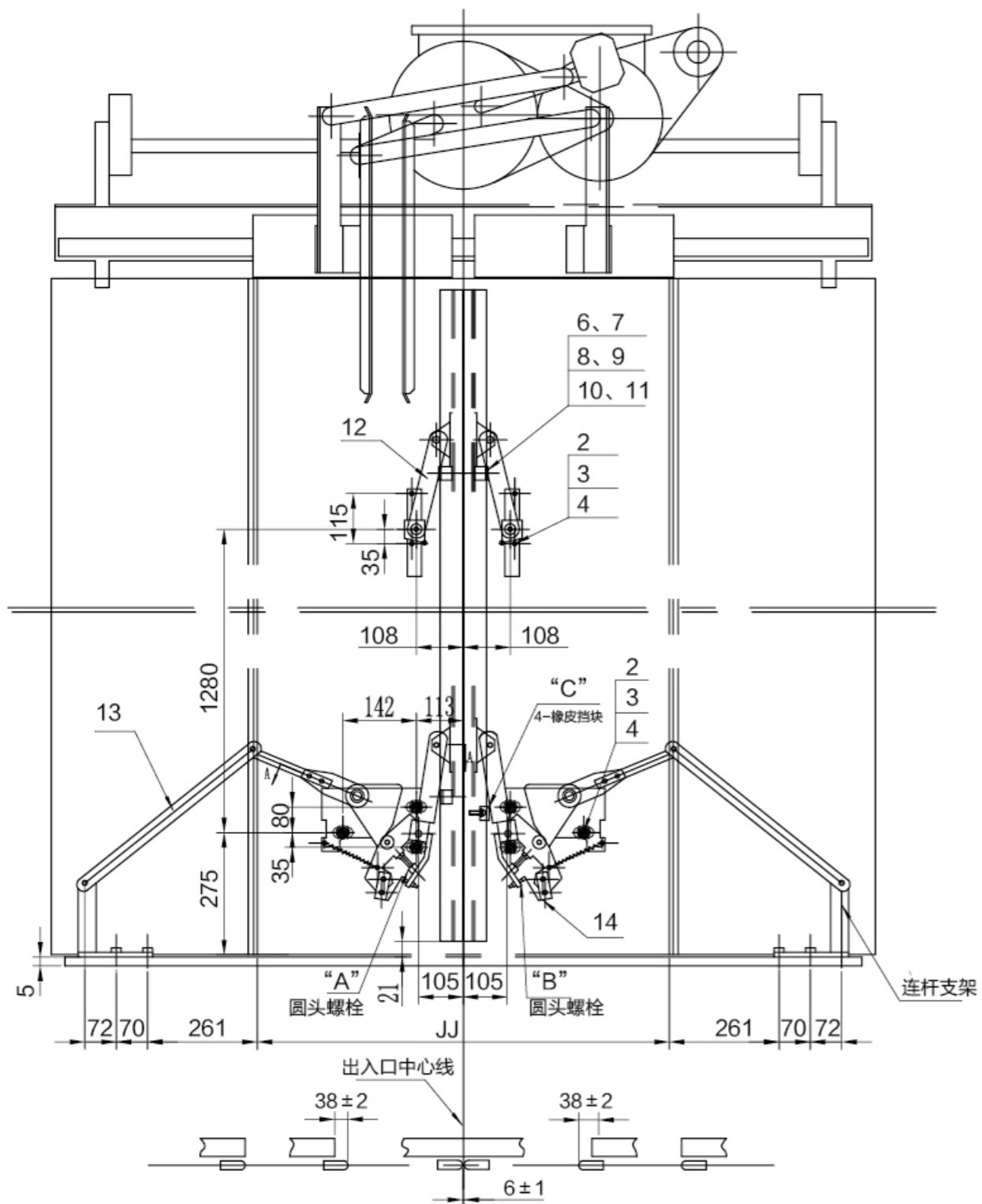


图6



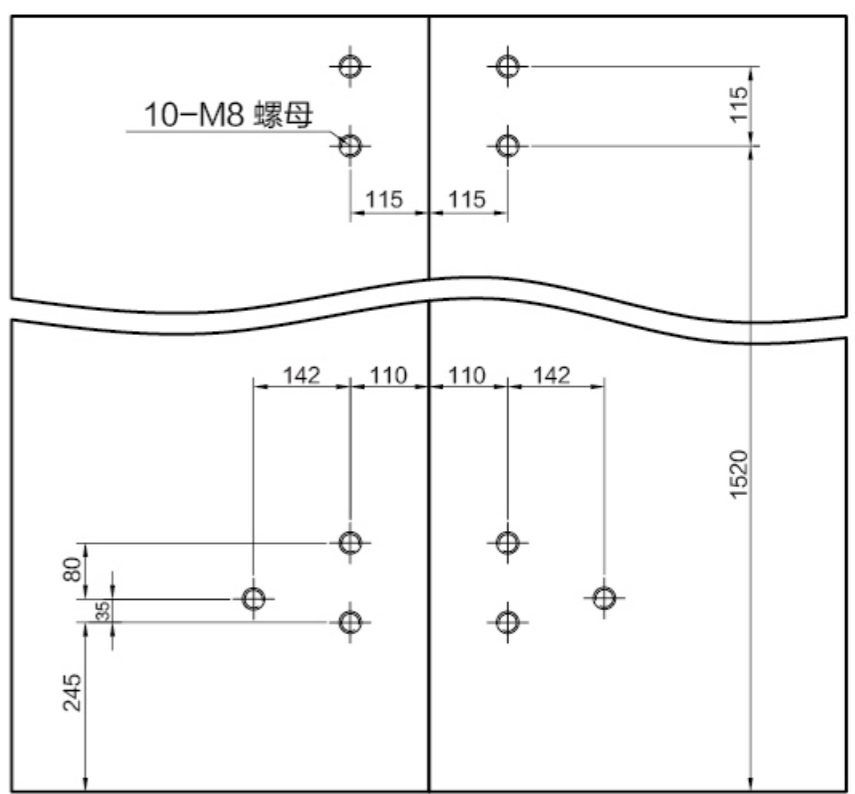
联动机构
Safety Edge



技术参数		Technical Features									
JJ	700	750	800	850	900	950	1000	1050	1100	1150	1200
A1	206	220	233	246	260	273	288	300	313	327	340
B	421	434	446	458	470	483	495	507	520	532	544

门板开孔尺寸

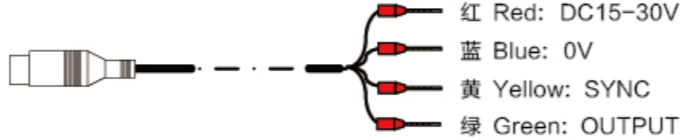
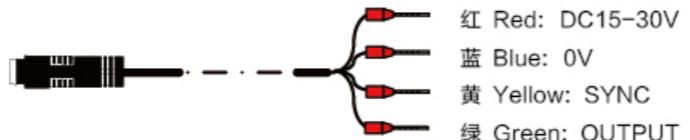
Hole size on car door





连接电缆 Connection Cable

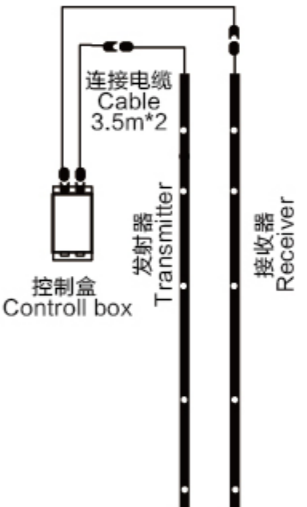
连接电缆（无控制盒时） Connection Cable (Without power box)

型号	连接器规格 Connector Specification	接线方式 Connection Mode
Cable-NPN-B	直径φ17mm Diameter φ17mm	 <p>红 Red: DC15-30V 蓝 Blue: 0V 黄 Yellow: SYNC 绿 Green: OUTPUT</p>
Cable-NPN-12	直径φ12mm Diameter φ12mm	 <p>红 Red: DC15-30V 蓝 Blue: 0V 黄 Yellow: SYNC 绿 Green: OUTPUT</p>

规格	PNP 输出		NPN 输出	
	DC+	绿: OUT	DC-	绿: OUT
输出				
状态	PNP NC	PNP NO	NPN NC	NPN NO
	输出导通 OUTPUT; DC+	输出截止 OUTPUT; DC-	输出导通 OUTPUT; DC-	输出截止 OUTPUT; DC+
	输出截止 OUTPUT; DC-	输出导通 OUTPUT; DC+	输出截止 OUTPUT; DC+	输出导通 OUTPUT; DC-

- 将发射器与接收器相同颜色的线连接在一起。
Connect same color cables of Transmitter and Receiver.
- 黄色的SYNC线为发射器与接收器之间的信号同步控制线，请将它们压接在轿顶接线排的一个空闲端子上。
Yellow CLK wire must be connected with isolated terminal or connector on the car top.
- 输出晶体管最大负载驱动能力为：DC45V、50mA。
The transistor output Max. capacity : DC45V, 50mA.

连接电缆（有控制盒时） Connection Cable (With power box)

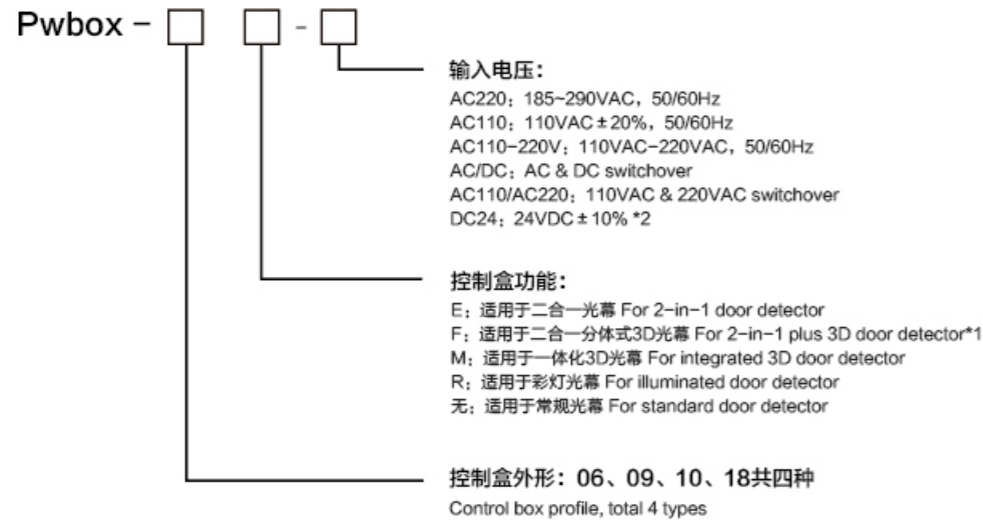
型号	连接器规格 Connector Specification	接线方式 Connection Mode
Cable-08	直径φ17mm Diameter φ17mm	 <p>连接电缆 Cable 3.5m*2 控制盒 Controll box 发射器 Transmitter 接收器 Receiver</p>
Cable-12	直径φ12mm Diameter φ12mm	

- 电缆插头为防水插头，需保证可靠插接。
Waterproof plug should be connected properly.
- 用于普通中分门电梯的光幕，标准配置为2根长度3.5m的连接电缆
Two 3.5m cables supplied for central opening elevator door detector
用于旁开门电梯的光幕，标准配置为长度2.5m、4.5m的连接电缆各1根
Each 2.5m and 4.5m cable supplied for side opening elevator door detector
用于中分双折门电梯的光幕，标准配置2根长度为5m的连接电缆
Two 5m cables supplied for four-panel central opening elevator door detector

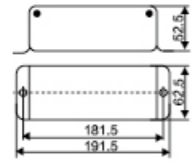


控制盒 Control Box

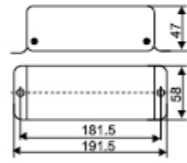
根据现场供电电源及所需输出方式，可以选配适用的控制盒。
Choose a suitable control box according to the power supply on site and output requirement.



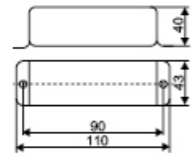
09型控制盒
09 model control box



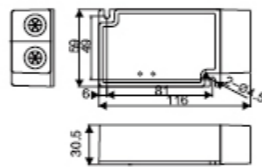
10型控制盒
10 model control box



06型控制盒
06 model control box



Pwbox-18A-AC控制盒
Pwbox-18A-AC control box



★在直流供电控制盒中，内部工作电源与供电电源是不隔离的。

★DC control box, internal power is not segregated from external power supply.

★控制盒上设有专用接地桩头，应确保控制盒可靠接地。
★Make sure ground knob outside of the control box is properly earthed.

★控制盒使用环境温度为-20℃~+65℃，防护等级为IP31。

★Environmental temperature: -20℃~+65℃. IP Protection Level: IP31.

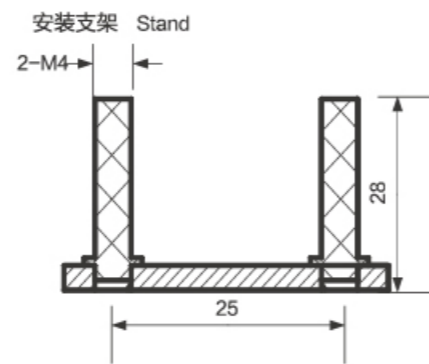
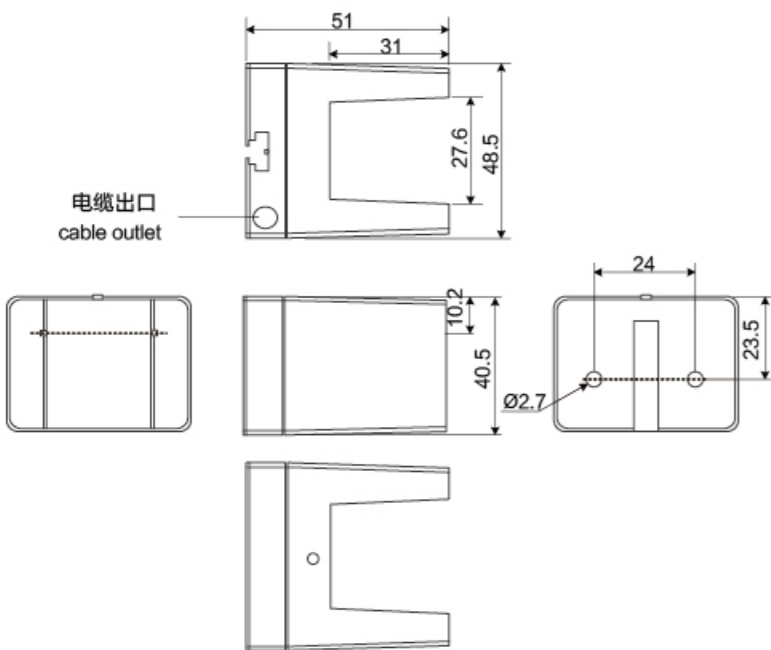
★控制盒符合CE电磁兼容性认证要求
★All control box are CE EMC certified.

型号 Model No.	适配电源及接线方法 Power supply and connection	输出方式 Output methods	用途 usage	通电工作时指示灯状态 LED status when powered	蜂鸣器 Buzzer	
Pwbox-09-AC220 Pwbox-10-AC220	220VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output	常规光幕 Standard door detector	红色: 状态指示 Red Status indication 绿色: 电源指示 Green Power indication	○	
Pwbox-09-AC110 Pwbox-10-AC110	110VAC±20% 50/60Hz		①		○	
Pwbox-18A-AC Pwbox-09-AC110-220V	AC85-265V 50/60Hz					
Pwbox-09E-AC220 Pwbox-10E-AC220	220VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output	二合一光幕 2-in-1 door detector	红色: 状态指示 Red Status indication 绿色: 电源指示 Green Power indication	参照使用手册利用4位拨码开关设定 4-bit dip switches functions see the user manual	
Pwbox-09E-AC110 Pwbox-10E-AC110	110VAC±20% 50/60Hz		②		○	
Pwbox-06-DC24 Pwbox-06E-DC24	24VDC±10%					
Pwbox-08H-DC24	24VDC±10%	安全继电器输出 safety relay output	917H-8S 917H-8S door detector	③	●	
Pwbox-09G-AC220 Pwbox-10G-AC220	220VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output	987系列光幕 WECO-987 series door detector	红色: 状态指示 Red Status indication 绿色: 电源指示 Green Power indication 	参照使用手册利用2位拨码开关设定 2-bit dip switches functions see the user manual	
Pwbox-09G-AC110 Pwbox-10G-AC110	110VAC±20% 50/60Hz					③
Pwbox-09G-DC24	24VDC±10%	7,8故障信号输出 7,8 Output fault signal 9,10关门信号输入(闭合有效) 9,10 INput close signal (NC effective)				

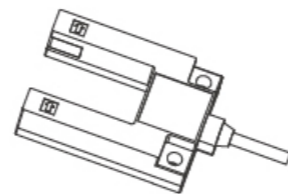
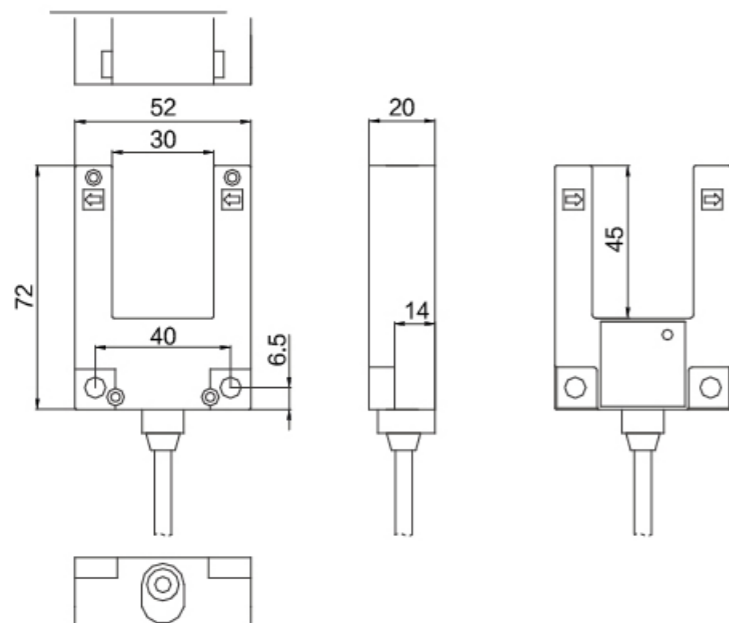


光电开关 Photoelectric Switch

WECO-K2



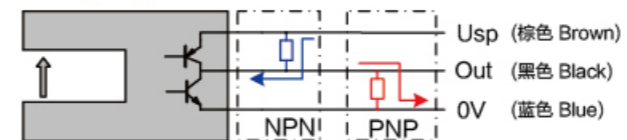
WECO-K3



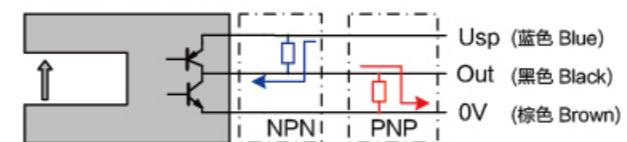
技术参数 Technical Features

工作电压(Usp)	13 – 30 VDC
消耗电流 Power Consumption	Max 40 mA (无负载)
输出饱和电压 NPN output saturation voltage NPN	<1 V (IL =100mA)
输出饱和电压 PNP output saturation voltage PNP	<2 V (IL =100mA)
响应时间 Response Time	max 1ms
最大输出电流 maximum output current	200 mA
输出方式 Output mode	NPN/PNP 推挽 push-pull
工作环境 Operating Temperature	-20°C-65°C, 100,000LUX
防护等级 Protection Level	IP65

Wiring diagram A



Wiring diagram B



指示灯状态 LED Interpretation

光束 Beams	指示灯 LED
未遮断 Non blocking	ON(亮)
遮断 blocking	OFF(灭)