



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

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**WECO**



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



细致入微 科技创新

Meticulous Penetrating Technological Innovation



企业官方网站

**WECO**  
**微科光电**  
WECO OPTOELECTRONICS



## 公司简介 COMPANY PROFILE

宁波伟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 WEICO OPTOELECTRONICS CO., LTD was established in 2004 and specializes in designing, developing, manufacturing of elevator door detector, WEICO 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。公司拥有年生产140万套电梯光幕的生产能力。电梯光幕远销欧洲、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26万套。

Located in the Ningbo Economic& Tech Developing Zone, with registered capital 60 million RMB, WEICO is able to produce 1,400,000 sets of elevator door detectors annually. WEICO sells it's product to many countries around the world, such as Europe countries, Canada, The U.S, Singapore and Australia, additionally, WEICO has established the global sales network. WEICO sold 260,000 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。电梯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著作权。

As a National High-tech enterprise, WEICO has a R&D center at provincial level, professional light curtain laboratory and a laboratory set up with University. WEICO 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。

WEICO cares strongly about the environment and obtained ISO9001 Quality Management System, ISO14001 Environment system, 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担单位  
National Torch Plan Project
- 守合同重信用单位  
Contract keeping and Credit First Company





## 生产车间 PRODUCTION WORKSHOP

德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，为德科在全球市场上赢得广泛声誉与荣誉。

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



DMT生产线  
DMT production line

产品老化线  
Product aging room

光栅装配流水线  
Light screen assembly pipeline

光栅自动测试线  
Light screen auto tested testing line

光栅包装流水线  
Light screen packaging line



技术中心  
TECHNOLOGY CENTER



WECO



光幕柜体测试  
Light Curtain Cabinet Test



松散捆扎测试  
Loose Strapping Test



皂液测试  
Soap Test



盐雾腐蚀性测试  
Salt Spray Corrosion Test



蒸汽泄漏测试  
Steam Leak 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: WEICO-817 A B C D

#### 电源及输出接口配置:

AC220, 180V - 240VAC, 50/60Hz 控制线, 1x2/11x2 继电器输出  
 AC110, 110VAC ± 20%, 50/60Hz 控制线, 1x2/11x2 继电器输出  
 DC24V, 24VDC ± 10% 控制线, 1x2/11x2 继电器输出  
 DC24V, 15 - 24VDC 控制线, 1x2/11x2 继电器输出  
 DC24V, 15 - 24VDC 控制线, 1x2/11x2 继电器输出  
 DC24V, 15 - 24VDC 控制线, 1x2/11x2 继电器输出  
 DC24V, 15 - 24VDC 控制线, 1x2/11x2 继电器输出  
 DC24V, 15 - 24VDC 控制线, 1x2/11x2 继电器输出  
 DC24V, 15 - 24VDC 控制线, 1x2/11x2 继电器输出  
 DC24V, 15 - 24VDC 控制线, 1x2/11x2 继电器输出  
 DC24V, 15 - 24VDC 控制线, 1x2/11x2 继电器输出  
 DC24V, 15 - 24VDC 控制线, 1x2/11x2 继电器输出

#### 选择电缆:

- 3.0x-28, 适用于标准半寸门框
- 3.0x-28, 适用于标准寸门框
- 2.0x, 4.5x 英寸, 适用于标准英寸门框
- 5x-28, 适用于半寸门框

#### 灯片盖的规格数量:

- 6, 170
- A, 200
- 7, 200
- 8, 300
- 9, 400
- 9, 450
- 
- C
- 
- 2

WEICO-817系列, WEICO-817  
 WEICO-817系列, WEICO-817  
 WEICO-817系列, WEICO-817

备注: 300mm以上产品共有2种(2种规格(2种不同规格)), 817系列产品规格详见目录。

# WEICO

技术参数	917		987				987				
<b>基本参数</b>											
红外管数量	17管	20管	17管	20管	22管	26管	40管	40管	20管	26管	40管
输出时间	继电器输出	45ms	65ms	45ms	45ms	65ms	65ms	65ms	75ms	45ms	65ms
	晶体管输出	25ms	35ms	25ms	25ms	35ms	45ms	45ms	55ms	25ms	45ms
门宽光幕	94-112管	104-124管	94-112管	94-112管	104-124管	114-134管	124-144管	134-154管	124-144管	134-154管	154-174管
红外管间距	110mm	50mm	110mm	50mm	50mm	40mm	40mm	40mm	50mm	40mm	40mm
感应光束	≤20mm										
感应光束	= 1000mm		= 1000mm		= 1000mm	= 1000mm	= 1000mm	= 1000mm	= 1000mm		= 1000mm
汽车功能 (允许一个定制管在 故障后 120s 被屏蔽)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
位置光幕	上下光幕, ≤ 15mm/管, 侧边光幕, ≤ 3mm/管										
工作距离	0 - 4000mm										
使用环境温度	-20° C - +60° C										
<b>可靠性</b>											
抗光干扰能力	10000Lux		能在任何恶劣的环境下正常工作								
外壳防护等级	IP65产品等级										
验证测试	S-Y-2 过脉冲 4小时, 频率 20 - 500Hz, 50% 占空比测试设备 见附件										
详细测试 (英文版)	GB/T2473.1 - GB/T2473.4										
<b>电磁兼容性</b>											
EN12015 EN12016	- 辐射电磁场		安全电磁场								
<b>功能</b>											
指示灯		故障报警色 黄色LED						停止报警色 红色LED			
故障输出功能 (允许故障输出 功能控制盘)	<input type="checkbox"/>					<input checked="" type="checkbox"/>					

详细规格见目录, 恕不另行编列



## 红外线电梯光幕 Infra Red Elevator Door Detector

### Model Definitions



example: WECC010 A 3 1 AC00

#### Power and system input options:

AC00 - 50V~ 200VAC/2000W power line, 180°/90° relay output  
 AC10 - AC10V~ 20V/2000W power line, 180°/90° relay output  
 DC00 - 24VDC + 10% power line, 180°/90° relay output  
 DC01 - 15 - 30VDC door open, 180°/90° relay output  
 DC02 - 15 - 30VDC door open, 180°/90° relay output  
 DC03 - 15 - 30VDC door open, 180°/90° relay output  
 DC04 - 15 - 30VDC door open, 180°/90° relay output  
 DC05 - 15 - 30VDC door open, 180°/90° relay output  
 DC06 - 15 - 30VDC door open, 180°/90° relay output  
 DC07 - 15 - 30VDC door open, 180°/90° relay output  
 DC08 - 15 - 30VDC door open, 180°/90° relay output  
 DC09 - 15 - 30VDC door open, 180°/90° relay output  
 DC10 - 15 - 30VDC door open, 180°/90° relay output  
 DC11 - 24VDC relay function common line  
 DC12 - 15 - 30VDC door open, intelligent light control

#### Connection Code:

- 1 - 3 Beams, for standard center opening 81 doors
- 2 - 3 Beams, for side opening 81 doors
- 3 Beams, 4 Beams, for side side opening 81 doors
- 4 - 3 Beams, for 180°/90° central opening 81 doors

#### Beam Number:

- 1 - 17 Beams
- 2 - 21 Beams
- 3 - 24 Beams
- 4 - 30 Beams
- 5 - 36 Beams
- 6 - 42 Beams
- 7 - 48 Beams

#### Profile:

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J

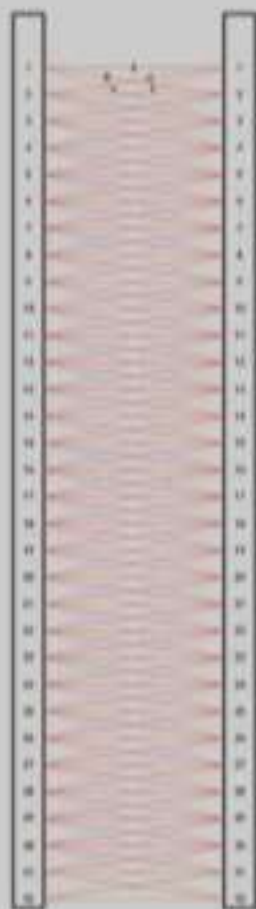
WECC-017 series, WECC-017  
 WECC-017 series, WECC-017  
 WECC-017 series, WECC-017

\* Products with no less than 30cm doors is compliant to EN6149-2 (w/ 1 light curtain included).  
 017 Series has built signal output function.

# WECCO

Technical Parameters	017			017			017					
<b>Technical Features</b>												
Number of the Red Beams	17 Beams	21 Beams	24 Beams	30 Beams	36 Beams	42 Beams	48 Beams	54 Beams	60 Beams	66 Beams		
	Response Time	45ms	45ms	45ms	45ms	45ms	45ms	45ms	45ms	45ms		
Response Time	Transmit	21ms	21ms	21ms	21ms	21ms	21ms	21ms	21ms	21ms		
	Receive	21ms	21ms	21ms	21ms	21ms	21ms	21ms	21ms	21ms		
Scanning Beams	00-32 Beams	00-64 Beams	00-32 Beams	00-64 Beams	00-64 Beams	00-64 Beams	00-128 Beams	00-128 Beams	00-128 Beams	00-128 Beams		
Internal Cable Length	110cm	50cm	110cm	50cm	50cm	40cm	40cm	40cm	40cm	40cm		
The minimum door opening	= 30cm											
The Maximum door opening	= 1000mm			= 1000mm			= 1000mm			= 1000mm		
Reliability (One year after checked after 10% detection absent)	○	●	○	●	○							
Tolerance	System: ± 15mm (*)						Backbone: ± 3mm (*)					
Detecting Range	0 - 4000mm											
Operating Temperature	-30° C ~ +60° C											
<b>Reliability</b>												
Light Intensity	10000Lux			Background								
Protection Level	Not precluding											
Vibration	Vibration: 0.1 to 500 Hz per 1/1-2 gms, above 500 Hz vibration 500 rms 3000 per 1/1-2 gms											
Approved Test Type B Laser Safety Standard	EN60825-1 - EN60825-2											
<b>EMC</b>												
EN61010 EN61010	general control level			safety control level								
<b>Function</b>												
LED Interpretation		Yellow LED power indicator is received			Red LED status indicator is received							
Indication index with function indication index power level				○			●					

The parameters are subject to change without notice.

**光路设计 Beam Pathways****104 束光通量**

通道数量: 100  
 器件数量: 20x20 = 400 个

**尺寸**

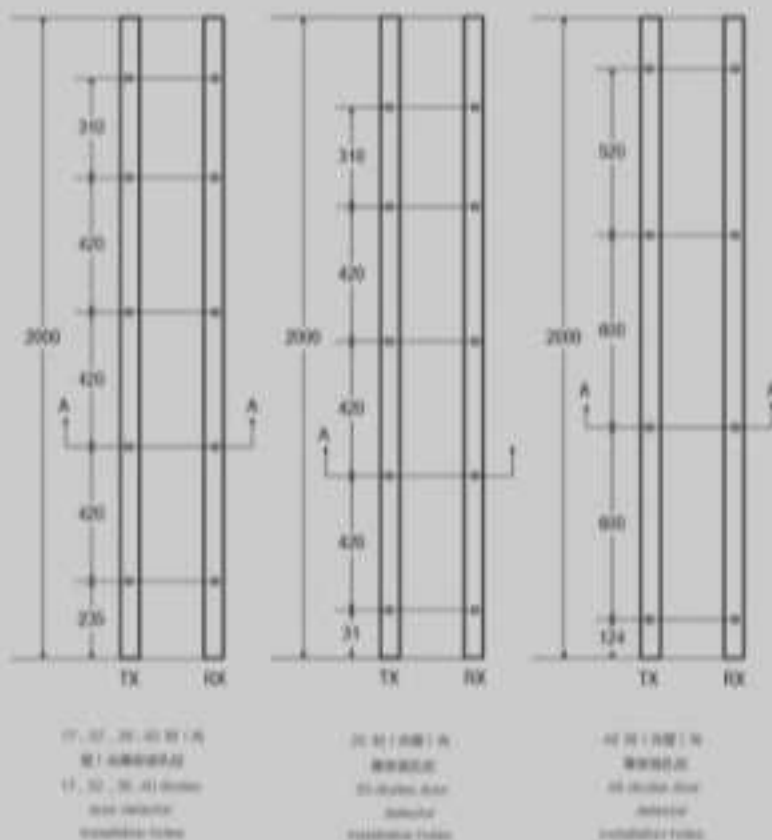
1. 通道间距: 40mm
2. 通道间距: 40mm
3. 通道间距: 40mm
4. 通道间距: 40mm
5. 通道间距: 40mm

**器件间距****104 beams drawing**

通道数量: 100  
 器件数量: 20x20 = 400 个

**尺寸**

1. 通道间距: 40mm
2. 通道间距: 40mm
3. 通道间距: 40mm
4. 通道间距: 40mm
5. 通道间距: 40mm

**安装孔位 Mounting Holes**





## 红外线电梯光幕

Infra Red Elevator Door Detector

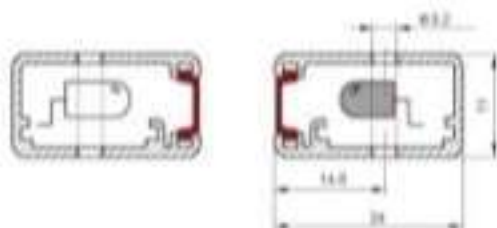


**WECO**

### A型截面

A Model Sectional Drawing

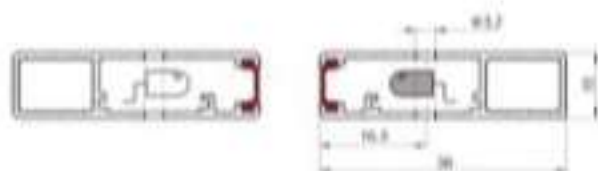
IP54



### B型截面

B Model Sectional Drawing

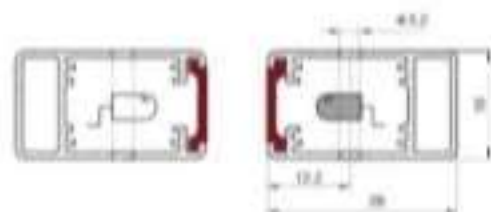
IP54



### C型截面

C Model Sectional Drawing

IP54



### L型截面

L Model Sectional Drawing

IP54





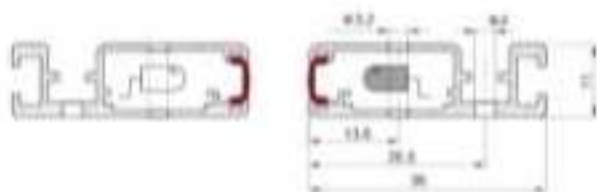
## 红外线电梯光幕

Infra Red Elevator Door Detector

### N型截面

N Model Sectional Drawing

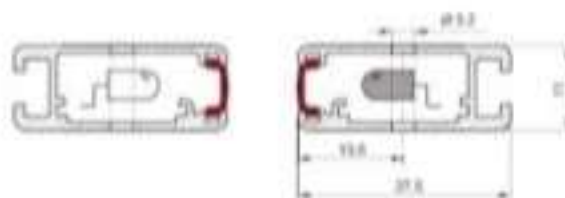
IP54



### Q型截面

Q Model Sectional Drawing

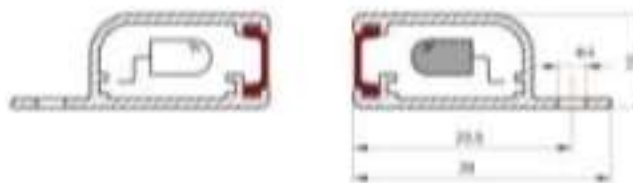
IP54



### K型截面

K Model Sectional Drawing

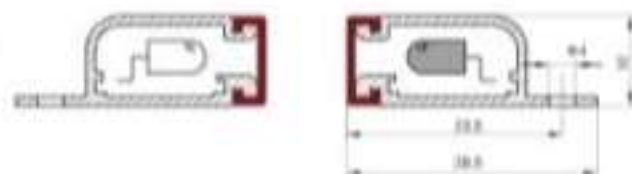
IP54



### M型截面

M Model Sectional Drawing

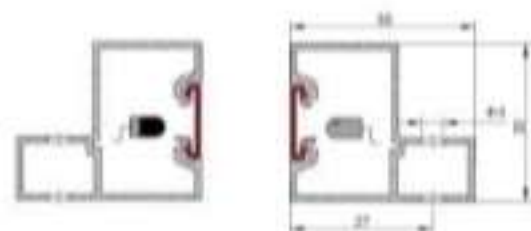
IP65



### Z型截面

Z Model Sectional Drawing

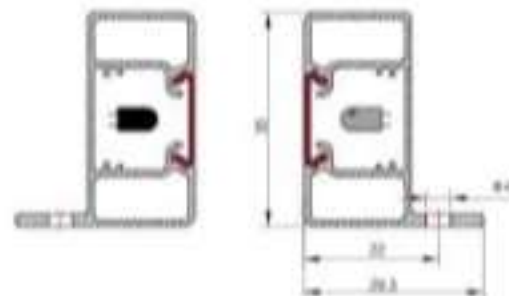
IP65



### Y型截面

Y Model Sectional Drawing

IP54/65





## 红外线电梯光幕

Infra Red Elevator Door Detector

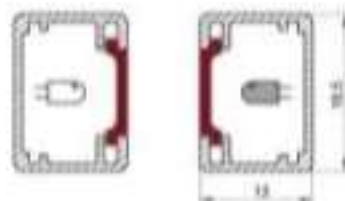


**WEICO**

### H型截面

H Model Sectional Drawing

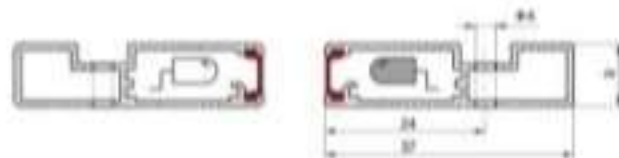
IP54



### V型截面

V Model Sectional Drawing

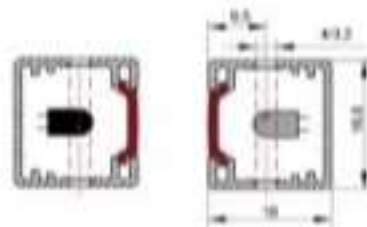
IP54



### T型截面

T Model Sectional Drawing

IP54



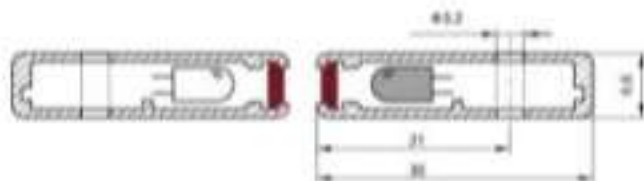


### SIX型截面

SIX Model Sectional Drawing

IP54

薄形光幕 Slim Mdel

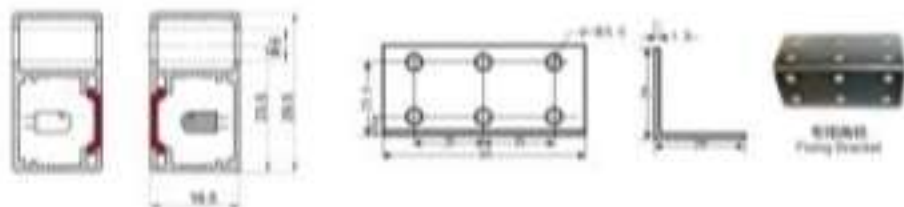


- 检测高度1250-1040mm自动调整  
Automatically adjusting detecting height from 1250mm to 1040mm

### P型截面

P Model Sectional Drawing

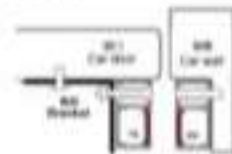
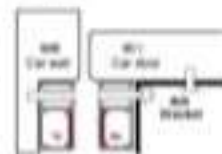
IP54



中心式安装  
Central Mounting

右侧开孔安装  
Right Side Opening Installation

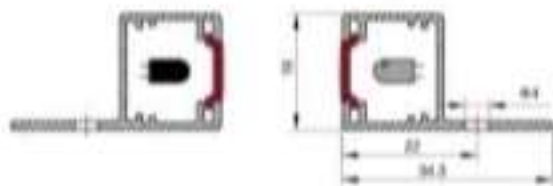
左侧开孔安装  
Left Side Opening Installation



### R型截面

R Model Sectional Drawing

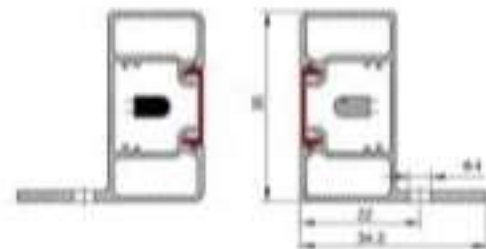
IP54



### U型截面

U Model Sectional Drawing

IP54/65





红外线电梯光幕

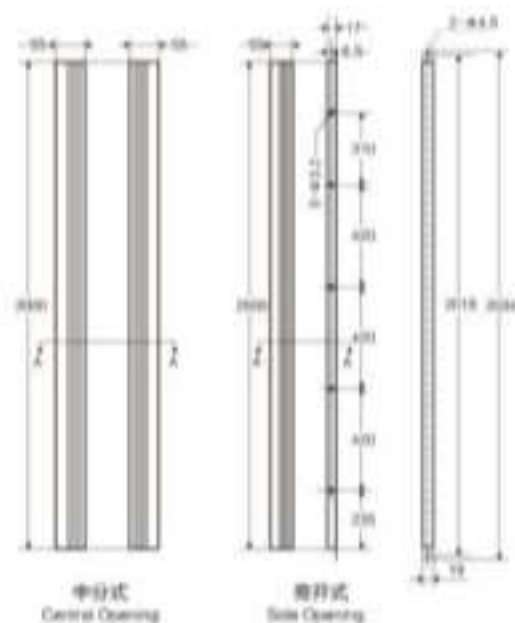
Infra Red Elevator Door Detector



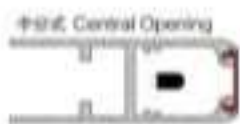
E型截面

E Model Sectional Drawing

WPS4



红外线电梯光幕 (侧开式) 示意图  
Infra Red Elevator Door Detector (Side Opening) Schematic Diagram





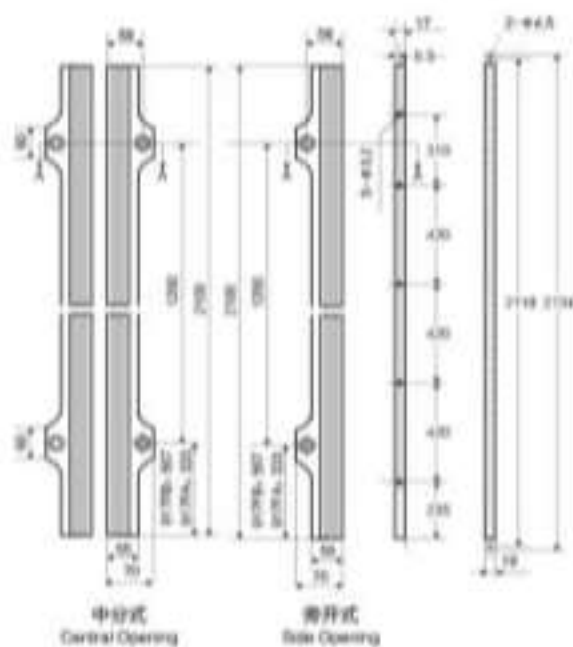
## 红外线电梯光幕

Infra Red Elevator Door Detector

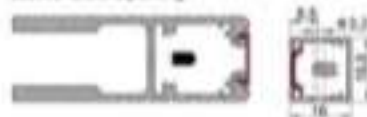
### F型截面

F Model Sectional Drawing

0754



侧开式 Side Opening



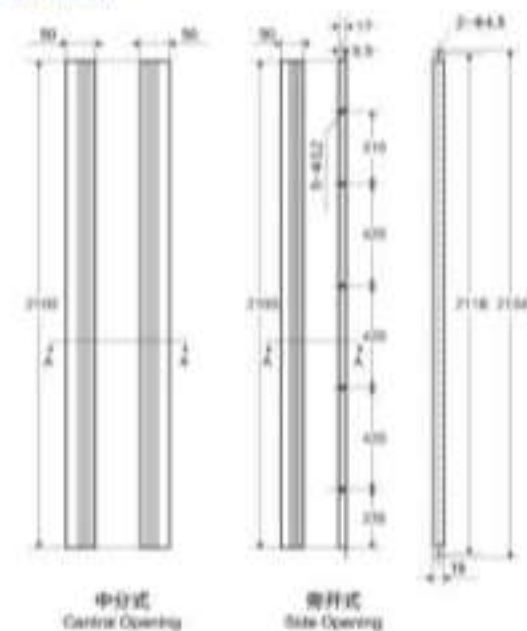
中开式 Central Opening



### G型截面

G Model Sectional Drawing

0754



侧开式 Side opening



中开式 Central opening





### 红外线电梯光幕

Infra Red Elevator Door Defector

#### MA型截面

MA Model Sectional Drawing

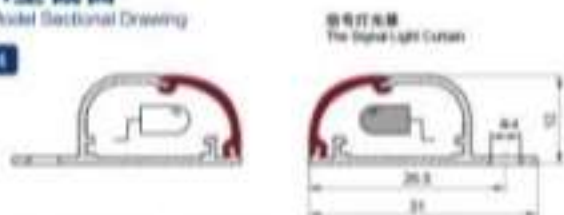
IP54



#### MR型截面

MR Model Sectional Drawing

IP54



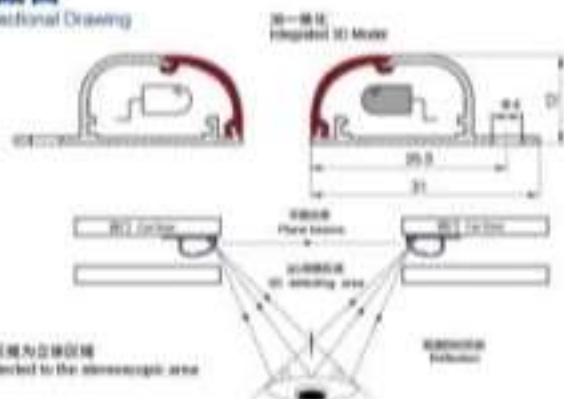
WECC-4171为红外线电梯光幕上, 采用PCB印刷板设计, 体积小, 重量轻, 安装方便, 使用寿命长, 维护简单, 安全可靠。

WECC-4171MR is used for elevator infrared light curtain, it is small, light, easy to install, long service life, easy to maintain, safe and reliable.

#### MD型截面

MD Model Sectional Drawing

IP54



★ 三维保护, 探测范围为立体区域  
3D protection detected to the stereoscopic area

### 特殊用途电梯光幕

Special purpose elevator door defector



#### 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 food elevator etc, the length is from 520mm to 1500mm

### 车辆分离光幕

Vehicle separation light curtain

应用场合: 高速公路收费站, 不停车收费系统, 自动车辆分类系统, 公路收费系统等等

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, 具有自动消障功能; 检测距离达到10M, 无需软件校正, 自动适应;

Product Features: self-learning installation with automatic clearing function; 10m detecting range, auto-adaptation;



## 安裝方式 Installation Method

### 发射器、接收器移动式安装 TX、RX Free Installation

当通过接插式安装系统安装门时，接收器或发射器——可安装在图 3 所示的 TX 和 RX 的自由安装系统上。

Receiver and transmitter free installation refers to a mounting method that TX and RX are located on the wall or door frame. The transmitter and receiver are fixed on the wall step, as shown in Figure 3.

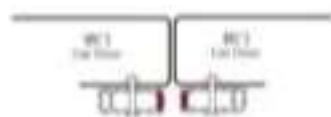


图 3 自由安装方式，发射器和接收器安装在墙壁上。  
Figure 3. Free installation method. The transmitter and receiver are fixed on the wall or door frame with screws.

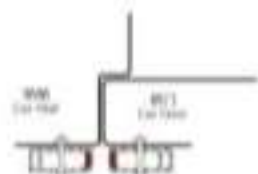


图 3 自由安装方式，发射器和接收器安装在门框上。

Figure 3. Free installation method. The transmitter (TX) and receiver (RX) are fixed separately on the wall or door frame with screws.

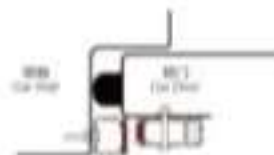


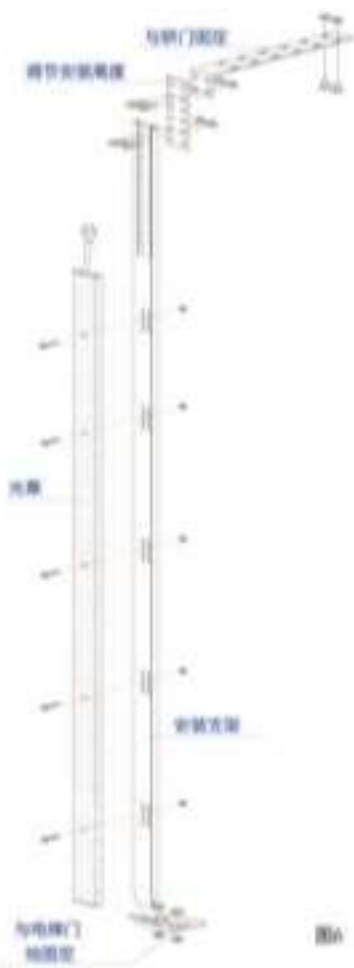
图 3 自由安装方式，发射器和接收器安装在门框上。

Figure 3. Free installation method. The transmitter (TX) and receiver (RX) are fixed separately on the wall or door frame with screws.

### 发射器、接收器固定式安装 TX、RX Fixed Installation

当通过固定式安装系统安装门时，接收器或发射器——可安装在图 4 所示的 TX 和 RX 的固定安装系统上。

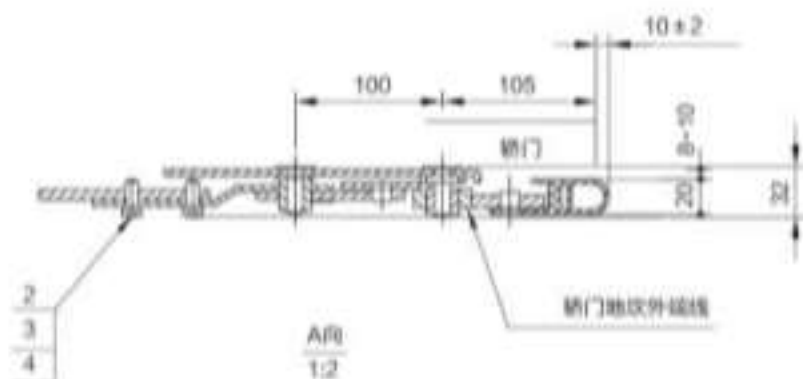
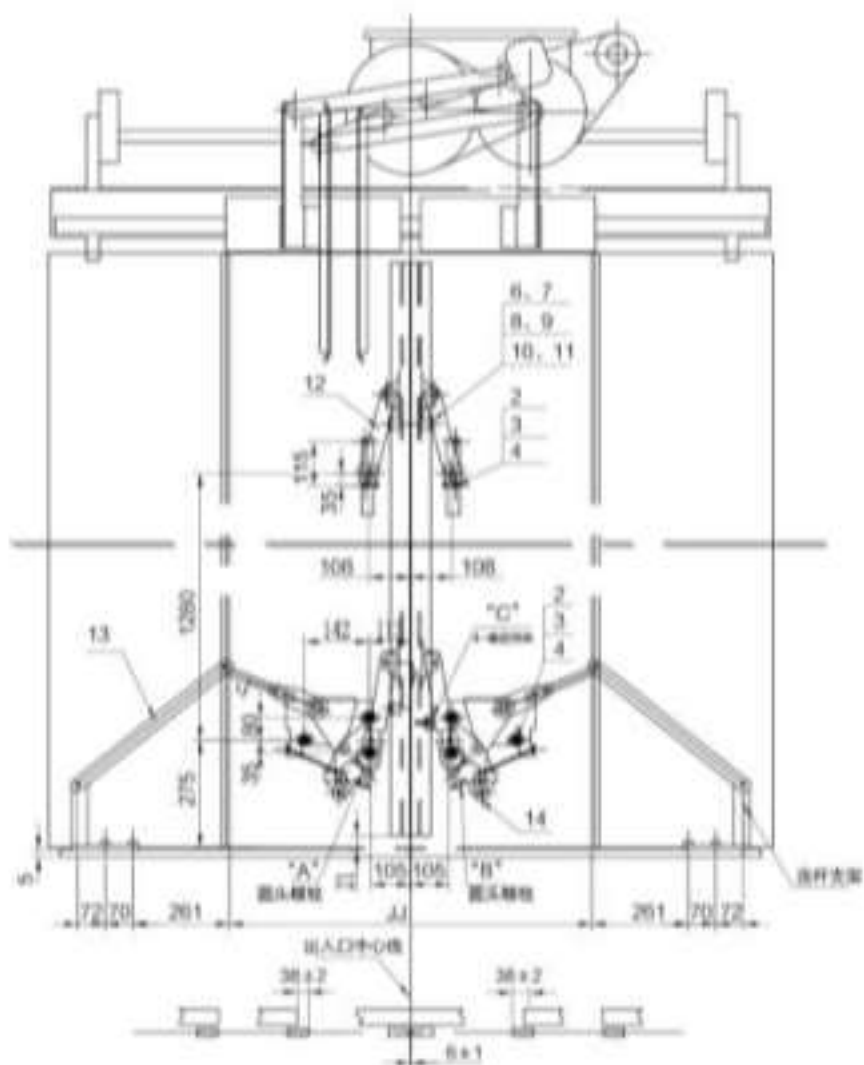
Receiver and transmitter fixed installation refers to a mounting method that TX and RX are fixed on the wall or door frame with a mounting bracket. The TX and RX are not fixed together with screws, as shown in Figure 4.







联动机构  
Safety Edge

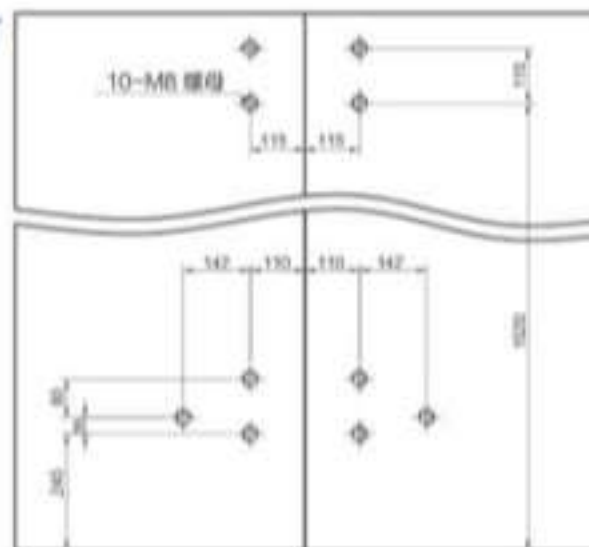


技术参数 Technical Features

JJ	700	750	800	850	900	950	1000	1050	1100	1150	1200
AL	208	220	233	246	260	273	286	300	313	327	340
B	421	434	446	459	471	483	496	507	520	533	544

门板开孔尺寸

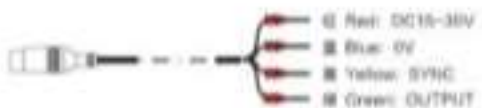
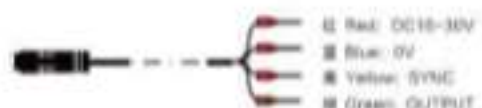
Hole size on  
car door





## 连接电缆 Connection Cable

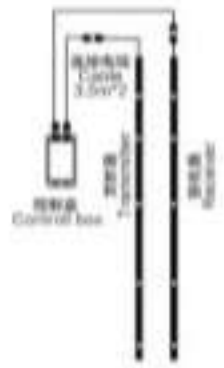
### 连接电缆（无控制盒时） Connection Cable (Without power box)

型号	连接器规格 Connector Specification	接线方式 Connection Mode
Cable-NPN-8	直径 $\phi$ 17mm Diameter $\phi$ 17mm	 <ul style="list-style-type: none"> <li>■ Red: DC15-30V</li> <li>■ Blue: 0V</li> <li>■ Yellow: SYNC</li> <li>■ Green: OUTPUT</li> </ul>
Cable-NPN-12	直径 $\phi$ 12mm Diameter $\phi$ 12mm	 <ul style="list-style-type: none"> <li>■ Red: DC15-30V</li> <li>■ Blue: 0V</li> <li>■ Yellow: SYNC</li> <li>■ Green: OUTPUT</li> </ul>

接线 状态	PNP 输出		NPN 输入	
	DC+	DC-	DC+	DC-
	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+

- 接线时请与接线图保持相同的连接在一起。  
Connect wire color codes of Transmitter and Receiver.
- 绿色的0V线为发射器与接收器之间的线号交叉接线。请将它与接收器接线图的一个空端子相连。  
Green 0V wire must be connected with unused terminal connector on the receiver.
- 接收器额定最大负载能力为：DC4.0V, 0.2mA。  
The receiver's max. capacity: DC4.0V, 0.2mA.

### 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-18	直径 $\phi$ 17mm Diameter $\phi$ 17mm	
Cable-12	直径 $\phi$ 12mm Diameter $\phi$ 12mm	

- 电缆端头为防水插头，请保证正确连接。  
Waterproof plug must be connected properly.
- 用于普通半开门传感器的光幕，标准配置为门框长度3.5m的连接电缆。  
Two 3.5m cables supplied for control opening detector door detector.  
用于窄门传感器的光幕，标准配置为门框2.5m、4.5m的连接电缆各1根。  
Each 2.5m and 4.5m cable supplied for side opening detector door detector.  
用于中门传感器的光幕，标准配置为门框长度为3m的连接电缆。  
Two 3m cables supplied for three-panel control opening detector door detector.



## 控制盒 Control Box

\* 根据提供电源电压及所需输出方式，可以选择适用的控制盒。  
Choose a suitable control box according to the power supply on site and output requirement.



05型控制盒  
05 model control box



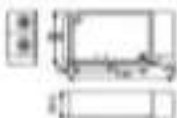
09型控制盒  
09 model control box



06型控制盒  
06 model control box



Pwbox-15A-AC控制盒  
Pwbox-15A-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.

\* 控制盒上没有专用接地插孔，应确保控制盒可靠接地。  
\* While there is no ground hole outside of the control box is properly method.

\* 控制盒使用环境温度范围为-20℃~+65℃，防护等级为IP21。

\* Environmental temperature: -20℃~+65℃, IP Protection Level: IP21.

\* 控制盒符合CE电磁兼容性认证要求。

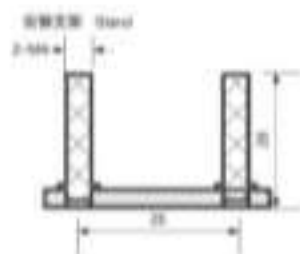
\* All control box are CE EMC certified.

型号 Model No.	提供电源及输出方式 Power supply and connector	输出方式 Output methods	用途 usage	通电工作时指示灯状态 LED status when powered	输出端 Output
Pwbox-09-AC220	220VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	③
Pwbox-10-AC220	220VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output		红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	
Pwbox-09-AC110	110VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	④
Pwbox-10-AC110	110VAC±20% 50/60Hz			红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	
Pwbox-15A-AC	AC220-260V 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	④
Pwbox-05-AC110-220	AC220-260V 50/60Hz			红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	
Pwbox-09-AC220	220VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	③
Pwbox-10-AC220	220VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	④
Pwbox-09-AC110	110VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	④
Pwbox-10-AC110	110VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	④
Pwbox-06-0024	24VDC±10%	1NO/1NC 继电器输出 1NO/1NC relay output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	③
Pwbox-09-0024	24VDC±10%	1NO/1NC 继电器输出 1NO/1NC relay output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	④
Pwbox-08R-0024	24VDC±10%	安全继电器输出 safety relay output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	③
Pwbox-09G-AC220	220VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	④
Pwbox-10G-AC220	220VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output		红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	
Pwbox-09G-AC110	110VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	④
Pwbox-10G-AC110	110VAC±20% 50/60Hz	1NO/1NC 继电器输出 1NO/1NC relay output		红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	
Pwbox-09G-0024	24VDC±10%	7线输出信号输出 7 X Output fault output	漏电保护 Residual circuit breaker	红色-状态指示 Red Status Indication 绿色-电源指示 Green Power indication	④

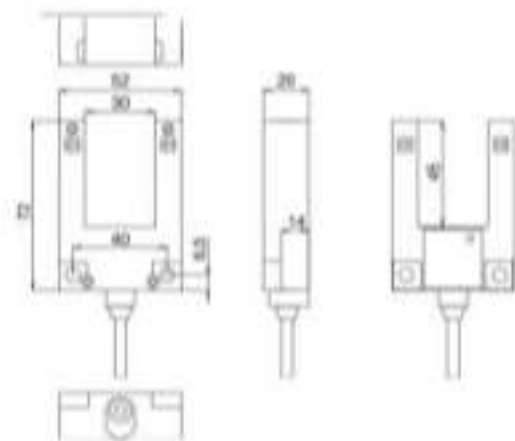


## 光电开关 Photoelectric Switch

### WECO-K2



### WECO-K3



### 技术参数 Technical Features

工作电压(Us)	12 - 30 VDC
消耗功率 Power Consumption	Max 40 mA (空载)
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 time
最大输出电流 maximum output current	200 mA
输出方式 Output mode	NPN/PNP 推挽 push-pull
工作温度 Operating Temperature	-20C~45C, 100,000,000
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
未遮挡 Non blocking	ON(亮)
遮挡 blocking	OFF(灭)