

WECO.[®]

宁波微科光电有限公司
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WECO ELEVATOR DOOR DETECTOR

微科电梯光幕

WECO®



通过UKAS公司ISO9001认证
Accredited ISO9001 by UKAS



通过UKAS公司ISO14001环境认证
Accredited ISO14001 by UKAS



产品通过欧盟CE认证
Accredited CE by EU



产品通过北美CSA认证
Approved by CSA



通过职业健康安全管理体系认证
Occupational health&safety
management systems
certification certificate



通过中国企业产品信息验证中心认证
Approved by China Enterprises
product information
verification center



荣获中国质量协会电梯光幕
唯一“用户满意服务、
用户满意单位”
Awarded“National Customer
Satisfaction Services&Enterprises”
by China Association for Quality



2008年荣获国家高新技术企业
证书编号：GR200833100449
In 2008, WECO was awarded an
honor of “state advanced and
innovative tech enterprise”
NO.GR200833100449



宁波微科光电有限公司成立于2004年，注册资金2200万港币，是FULL SENSE投资有限公司在宁波投资的全外资企业。是整个微科集团的一部分。

宁波微科光电有限公司坐落在宁波经济技术开发区内，现有厂房面积3000多平方米，员工80余人，专业开发生产WECO品牌电梯光幕，公司拥有年产20万套电梯光幕的生产能力。2008年公司生产销售光幕超过10万套，是亚洲最大的电梯光幕生产企业。

公司已全面通过ISO9001质量管理体系，ISO14001环境管理体系和GB/T28001职业健康安全管理体系认证。

公司光幕产品已通过欧洲CE认证，北美CSA认证。

公司内部全面运用ERP软件，实行6S管理模式。

WECO(微科)光幕属于公司自主研发产品，公司拥有WECO光幕的全部知识产权。包括2项发明专利、4项实用新型专利和4项软件注册专利。

2008年，公司被评为国家高新技术企业。

微科公司拥有先进的SMT生产线，ICT在线测试仪和AOI光学测试仪以及高低温交变试验箱，产品老化实验室，EMC电磁兼容性试验室和可靠性试验室。

微科光幕产品已销售至中国国内100多个电梯厂家，公司在北京，广州，上海，重庆，武汉，济南，沈阳等地设立有办事处。

微科欧洲集团于2004年在爱尔兰成立，2005年在加拿大成立微科北美公司，2006年微科欧洲集团建立了微科法国，2007年在西班牙的巴塞罗那建立了欧洲分销设施。2008年成立微科印度公司。

目前北美微科拥有5个的分销点，分别位于多伦多，纽约，迈阿密，旧金山和芝加哥。

微科电梯光幕已经销售到国外的40多个国家和地区，包括爱尔兰，德国，法国，英国，波兰，匈牙利，斯洛文尼亚，克罗地亚，西班牙，土耳其，印度，加拿大，台湾，韩国，委内瑞拉，俄罗斯，和美国。

NINGBO WECO ELECTRON-OPTICAL CO., LTD. was founded in 2004 with a registered capital of 22 million HK dollars. and is a wholly owned foreign enterprise owned by FULL SENSE INVESTMENTS LIMITED. It is part of the international WECO group of companies. NINGBO WECO ELECTRON-OPTICAL CO., LTD is located in the NingBo economic & tech developing zone and occupies a area of 3000 square meters with over eighty employees specializing in the development and production of "WECO" brand door detectors, with an annual production capacity of 200,000 sets.

WECO sold more than 100,000 sets door detectors in 2008. WECO is the largest door detector manufacturer in Asia.

WECO cares strongly about the environment and has obtained ISO9001 Quality Management System, ISO14001 Environment control system, as well as GB/T28001 occupation health and safety control system.

WECO door detectors have been certified to European CE Certification and North American CSA Certification.

WECO company put to use ERP and 6S management system.

WECO's in-house R&D conceptualize and develop products, totally owning the intellectual property rights and have two patents pending. WECO has obtained 4 patents for practical new products and 4 new software registrations to date.

In 2008, WECO was awarded the prize of "State advanced and innovative tech enterprise".

WECO has a in-house advanced SMT production line, a ICT on line tester, a AOI tester, along with high-low temperature tester, aging facilities and test banks, an EMC lab and life cycle lab (including atmospheric equipment).

WECO products have been sold to more than 100 elevator factories in China. WECO's sales offices in China are located in Beijing, Guangzhou, Shanghai, Chongqing, Wuhan, Jinan and Shenyang.

Our European Union office was established in Ireland in 2004 and our North American office in Canada in 2005. In 2006 we established WECO France in Nice and in 2007 we opened a EU distribution facility in Barcelona, Spain. In 2008 we established weco India.

In the US weco have five regional distributors in Toronto, New York, Miami, San Francisco and Chicago.

WECO door detectors are sold in more than 40 countries abroad with distributors in Ireland, Germany, France, the United Kingdom, Poland, Hungary, Slovenia, Croatia, Spain, Turkey, India, Canada, TaiWan, Korea, Venezuela, Russia and the USA.

Welcome to WECO!



MAIN FACILITY





3

1

SMT 生产流水线 (锡膏搅拌机, 丝网印刷机, 三星贴片机, 8温区回流焊机)
SMT production line (Solder paste mixer, screen printer, Samsung surface-mounting machine, 8-temperature-zone reflux solder)

2

DIP 环保焊接流水线
DIP environmental soldering line

3

日本TRSON 在线检测仪测试光幕整板性能及器件参数
Japan TRSON online tester for testing PCB board functionality and device parameters of door detector

4

AOI 光学检测仪 (测试焊点质量)
AOI Optical (test the quality of sholdering point)

5

光幕常温老化现场
Door detector room temperature aging site

6

宽敞整洁的装配调试车间
Workshop of commissioning

7

技术中心一角
Technical Center

8

质量中心实验室一角
Quality-control laboratory

9

仓库一隅
Storage corner



6



9

917A

红外线电梯光幕

Infra Red Elevator Door Detector



标准规格 Model Definitions (917A61-AC220)

可选规格 Model Definitions

□ A □ □ - □ - □

3D: 分体式3D光幕 3D Version

电源及输出接口配置 Power and system output options:
 AC220 控制盒, 继电器输出 Powerbox with relay output
 AC110 控制盒, 继电器输出 Powerbox with relay output
 DC24A: 24VDC $\pm 10\%$ 控制盒, 1NO/1NC 继电器输出
 24VDC $\pm 10\%$ power box, 1NO/1NC relay output
 DC24B: 10-30VDC 无控制盒, 1NO NPN 晶体管输出
 10-30VDC direct input, 1NO NPN output
 DC24C: 10-30VDC 无控制盒, 1NC NPN 晶体管输出
 10-30VDC direct input, 1NC NPN output
 DC24D: 10-30VDC 无控制盒, 1NO PNP 晶体管输出
 10-30VDC direct input, 1NO PNP output
 DC24E: 10-30VDC 无控制盒, 1NC PNP 晶体管输出
 10-30VDC direct input, 1NC PNP output
 DC24F: 10-30VDC 无控制盒, 1NC 继电器输出
 10-30VDC direct input, 1NC relay output
 DC24G: 10-30VDC 无控制盒, 1NO 继电器输出
 10-30VDC direct input, 1NO relay output
 DC24H: 24VDC 安全功能控制盒
 24VDC safety function power box

连接电缆 Connection Cable:

- 1: 3.5m $\times$ 2根, 适用于标准中分门电梯
3.5mx2pcs, for standard central-opening lift doors
- 2: 2.5m, 4.5m 各1根, 用于旁开门电梯, 如图1
2.5m, 4.5mx1pcs, for side opening lift doors, see fig1
- 3: 2.5m, 4.5m 各1根, 用于新型旁开门电梯, 如图2
2.5m, 4.5mx1pcs, for new side opening lift doors, see fig2
- 4: 5m $\times$ 2根, 适用于中分双折门电梯
5m $\times$ 2pcs, for Two Panel Central-opening Lift Doors

红外发射/接收管数量 TX/RX Number:

- 6: 17对光管 17 Diode sets
- 7: 32对光管 32 Diode sets
- 8: 40对光管 40 Diode sets
- 9: 48对光管 48 Diode sets

917: WECO-917系列 WECO-917 series

957: WECO-957系列 WECO-957 series

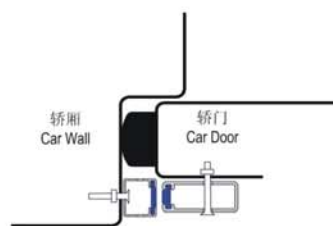
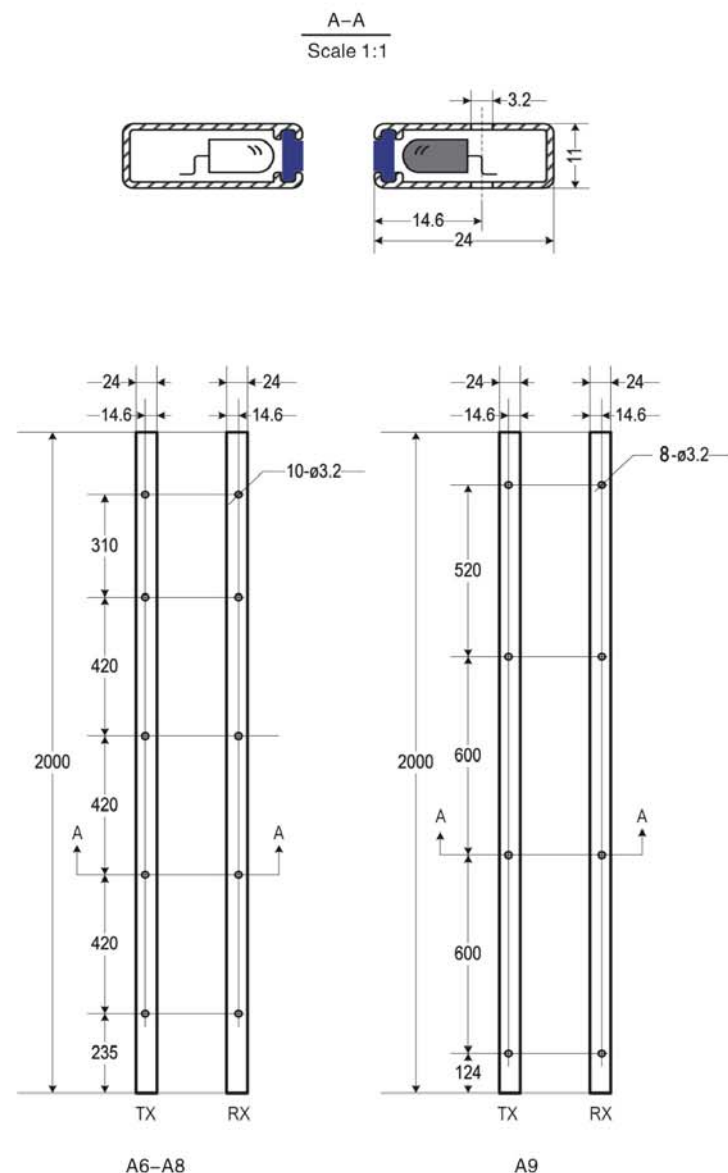


图1

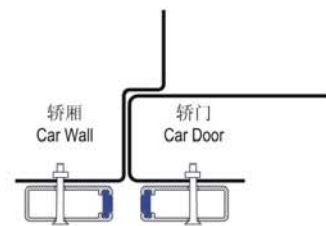


图2

技术参数 Technical Features

参数 Reference		规格 Model No.	917A6	917A7	957A6	957A7	957A8	957A9		
项目 Items										
响应时间 Response Time			45ms@继电器输出 21ms@晶体管输出 45ms@relay output 21ms@transistor output	61ms@继电器输出 37ms@晶体管输出 61ms@relay output 37ms@transistor output	36.5ms@继电器输出 12.5ms@晶体管输出 36.5ms@relay output 12.5ms@transistor output	57.5ms@继电器输出 33.5ms@晶体管输出 57.5ms@relay output 33.5ms@transistor output	65.5ms@继电器输出 41.5ms@晶体管输出 65.5ms@relay output 41.5ms@transistor output	96.5ms@继电器输出 72.5ms@晶体管输出 96.5ms@relay output 72.5ms@transistor output		
红外管数量 Number of Infra Red Diodes			17对 17Diode sets	32对 32Diode sets	17对 17Diode sets	32对 32Diode sets	40对 40Diode sets	48对 48Diode sets		
扫描光束 Scanning Beams			94~33束 94~33Beams	128~94束 128~94Beams	94~33束 94~33Beams	154~94束 154~94Beams	194~118束 194~118Beams	234~142束 234~142Beams		
防护高度 Detecting Height			20 ~ 1840mm				20 ~ 1870mm	20 ~ 1900mm		
光管间距 Infra Red Diodes Range			117.5mm	58.8mm	117.5mm	58.8mm	47.5mm	40.0mm		
冗余功能 Redundancy			无 None	同957A7 Same to 957A7	无 None	允许一个发射管在故障后120s被屏蔽 One transmitter shielded after 120s detected absent				
功耗 Power Consumption			≤4W or 100mA@DC24V							
使用环境温度 Operating Temperature			-20℃ ~ +65℃							
位置允差 Tolerance			上下方向: ±10mm/7°,前后方向: ±3mm/5°				Up/down: ±10mm/7° Back/forth: ±3mm/5°			
抗光干扰能力 Light Immunity			≤100000Lux.		能在任何光照环境下工作 Sunlight proof					
电磁兼容性 EMC (EN 12015) (EN 12016)	电快速脉冲 EFT		2级D通过(±1KV) Passed Level 2 tests D(±1KV)		4级D通过(±4KV) Passed Level 4 tests D(±4KV)					
	雷击浪涌 Surge		D (线对地 ±2.5KV、线对线 ±1KV) D (±2.5KV Line to ground, ±1KV Line to line)							
	静电放电 ESD		A (空气放电 ±15KV、直接放电 ±6KV) A (Air discharge ±15KV、Direct discharge ±6KV)							
	无线电传导 Radio-frequency		D (10V rms, 150kHz ~ 80MHz, 80%, 1kHz Amp. Mod., 1%, 3s)							
	无线电辐射 Radiated Immunity		D (30V/m, 80MHz ~ 1.96GHz, 80%)							
振动测试 Vibration			X-Y-Z三轴各4小时, 频率20 ~ 500Hz, 30Hz正弦波振动各30分钟 Vibration 20 to 500Hz 4hrs per X-Y-Z axis, sinusoidal vibration 30Hz rms 30mins per X-Y-Z axis							
工作距离 Detecting Range			0 ~ 3m		0 ~ 3m					
外观防护等级 Protection Level			IP54 (发射器、接收器), IP31 (控制盒) IP54 (TX, RX), IP31 (Power box)							
声音提醒 Voice Reminder			当光幕被连续遮挡15s后接收器内蜂鸣器开始鸣叫, 提醒乘客离开门区。 Buzzer in RX, after continuous detection for 15s, buzzer ON.							
指示功能 LED Interpretation			接收器绿色受电指示灯 Green LED power indicator in receiver		接收器红色状态指示灯 Red LED status indicator in receiver		控制盒绿色受电指示灯 Green LED power indicator in power box		控制盒红色状态指示灯 Red LED status indicator in power box	
										
										

*参数如有变更, 另行通知

917B

红外线电梯光幕

Infra Red Elevator Door Detector



标准规格 Model Definitions (917B71-AC220)

可选规格 Model Definitions



3D: 分体式3D光幕 3D Version

电源及输出接口配置 Power and system output options:
 AC220 控制盒, 继电器输出 Powerbox with relay output
 AC110 控制盒, 继电器输出 Powerbox with relay output
 DC24A: 24VDC $\pm 10\%$ 控制盒、1NO/1NC继电器输出
 24VDC $\pm 10\%$ power box, 1NO/1NC relay output
 DC24B: 10-30VDC无控制盒、1NO NPN晶体管输出
 10-30VDC direct input, 1NO NPN output
 DC24C: 10-30VDC无控制盒、1NC NPN晶体管输出
 10-30VDC direct input, 1NC NPN output
 DC24D: 10-30VDC无控制盒、1NO PNP晶体管输出
 10-30VDC direct input, 1NO PNP output
 DC24E: 10-30VDC无控制盒、1NC PNP晶体管输出
 10-30VDC direct input, 1NC PNP output
 DC24F: 10-30VDC无控制盒、1NC 继电器输出
 10-30VDC direct input, 1NC relay output
 DC24G: 10-30VDC无控制盒、1NO 继电器输出
 10-30VDC direct input, 1NO relay output
 DC24H: 24VDC安全功能控制盒
 24VDC safety function power box

连接电缆 Connection Cable:

- 1: 3.5m $\times$ 2根, 适用于标准中分门电梯
3.5m $\times$ 2pcs, for standard central-opening lift doors
- 2: 2.5m, 4.5m各1根, 用于旁开门电梯, 如图1
2.5m, 4.5m $\times$ 1 pcs, for side opening lift doors, see fig1
- 3: 2.5m, 4.5m各1根, 用于新型旁开门电梯, 如图2
2.5m, 4.5m $\times$ 1 pcs, for new side opening lift doors, see fig2
- 4: 5m $\times$ 2根, 适用于中分双折门电梯
5m $\times$ 2pcs, for Two Panel Central-opening Lift Doors

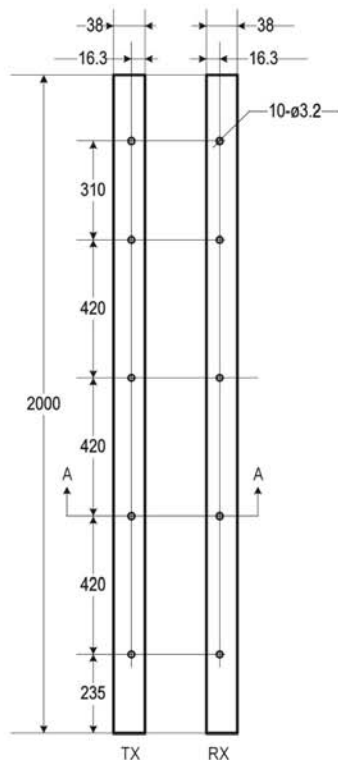
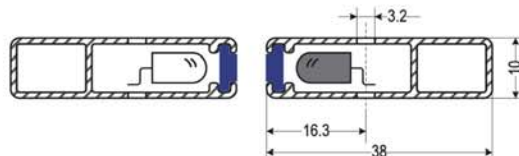
红外发射/接收管数量 TX/RX Number:

- 6: 17对光管 17 Diode sets
- 7: 32对光管 32 Diode sets
- 8: 40对光管 40 Diode sets
- 9: 48对光管 48 Diode sets

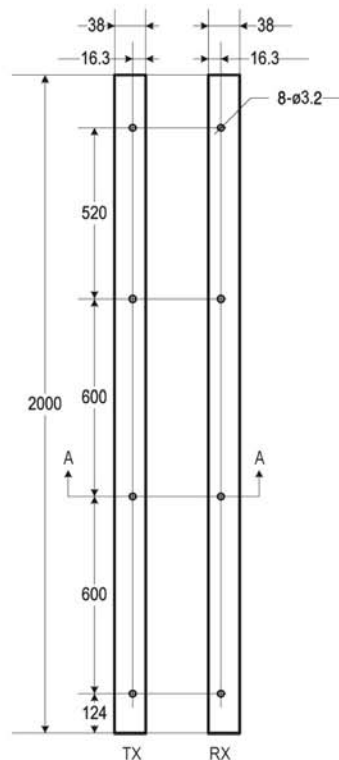
917: WECO-917系列 WECO-917 series

957: WECO-957系列 WECO-957 series

A-A
Scale 1:1



B6-B8



B9

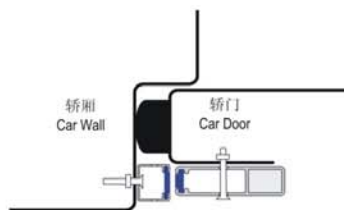


图1

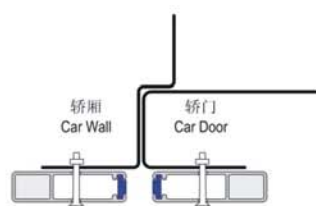


图2

技术参数 Technical Features

参数 Reference		规格 Model No.	917B6	917B7	957B6	957B7	957B8	957B9		
项目 Items										
响应时间 Response Time			45ms@继电器输出 21ms@晶体管输出 45ms@relay output 21ms@transistor output	61ms@继电器输出 37ms@晶体管输出 61ms@relay output 37ms@transistor output	36.5ms@继电器输出 12.5ms@晶体管输出 36.5ms@relay output 12.5ms@transistor output	57.5ms@继电器输出 33.5ms@晶体管输出 57.5ms@relay output 33.5ms@transistor output	65.5ms@继电器输出 41.5ms@晶体管输出 65.5ms@relay output 41.5ms@transistor output	96.5ms@继电器输出 72.5ms@晶体管输出 96.5ms@relay output 72.5ms@transistor output		
红外管数量 Number of Infra Red Diodes			17对 17Diode sets	32对 32Diode sets	17对 17Diode sets	32对 32Diode sets	40对 40Diode sets	48对 48Diode sets		
扫描光束 Scanning Beams			94~33束 94~33Beams	128~94束 128~94Beams	94~33束 94~33Beams	154~94束 154~94Beams	194~118束 194~118Beams	234~142束 234~142Beams		
防护高度 Detecting Height			20 ~ 1840mm				20 ~ 1870mm	20 ~ 1900mm		
光管间距 Infra Red Diodes Range			117.5mm	58.8mm	117.5mm	58.8mm	47.5mm	40.0mm		
冗余功能 Redundancy			无 None	同957B7 Same to 957B7	无 None	允许一个发射管在故障后120s被屏蔽 One transmitter shielded after 120s detected absent				
功耗 Power Consumption			≤4W or 100mA@DC24V							
使用环境温度 Operating Temperature			-20℃ ~ +65℃							
位置允差 Tolerance			上下方向: ±10mm/7°,前后方向: ±3mm/5° Up/down: ±10mm/7° Back/forth: ±3mm/5°							
抗光干扰能力 Light Immunity			≤100000Lux.		能在任何光照环境下工作 Sunlight proof					
电磁兼容性 EMC (EN 12015) (EN 12016)	电快速脉冲 EFT	2级D通过(±1KV) Passed Level 2 tests D(±1KV)			4级D通过(±4KV) Passed Level 4 tests D(±4KV)					
	雷击浪涌 Surge	D (线对地±2.5KV、线对线±1KV) D (±2.5KV Line to ground, ±1KV Line to line)								
	静电放电 ESD	A (空气放电±15KV、直接放电±6KV) A (Air discharge±15KV、Direct discharge±6KV)								
	无线电传导 Radio-frequency	D (10V rms, 150kHz ~ 80MHz, 80%, 1kHz Amp. Mod., 1%, 3s)								
	无线电辐射 Radiated Immunity	D (30V/m, 80MHz ~ 1.96GHz, 80%)								
振动测试 Vibration			X-Y-Z三轴各4小时, 频率20 ~ 500Hz, 30Hz正弦波振动各30分钟 Vibration 20 to 500Hz 4hrs per X-Y-Z axis, sinusoidal vibration 30Hz rms 30mins per X-Y-Z axis							
工作距离 Detecting Range			0 ~ 3m		0 ~ 3m					
外观防护等级 Protection Level			IP54 (发射器、接收器), IP31 (控制盒) IP54 (TX, RX), IP31 (Power box)							
声音提醒 Voice Reminder			当光幕被连续遮挡15s后接收器内蜂鸣器开始鸣叫, 提醒乘客离开门区。 Buzzer in RX, after continuous detection for 15s, buzzer ON.							
指示功能 LED Interpretation			接收器绿色受电指示灯 Green LED power indicator in receiver		接收器红色状态指示灯 Red LED status indicator in receiver		控制盒绿色受电指示灯 Green LED power indicator in power box		控制盒红色状态指示灯 Red LED status indicator in power box	
										
										

*参数如有变更, 另行通知

917C

红外线电梯光幕

Infra Red Elevator Door Detector



标准规格 Model Definitions (917C71-AC220)

可选规格 Model Definitions



3D: 分体式3D光幕 3D Version

电源及输出接口配置 Power and system output options:

AC220 控制盒, 继电器输出 Powerbox with relay output

AC110 控制盒, 继电器输出 Powerbox with relay output

DC24A: 24VDC $\pm 10\%$ 控制盒, 1NO/1NC继电器输出

24VDC $\pm 10\%$ power box, 1NO/1NC relay output

DC24B: 10-30VDC无控制盒, 1NO NPN晶体管输出

10-30VDC direct input, 1NO NPN output

DC24C: 10-30VDC无控制盒, 1NC NPN晶体管输出

10-30VDC direct input, 1NC NPN output

DC24D: 10-30VDC无控制盒, 1NO PNP晶体管输出

10-30VDC direct input, 1NO PNP output

DC24E: 10-30VDC无控制盒, 1NC PNP晶体管输出

10-30VDC direct input, 1NC PNP output

DC24F: 10-30VDC无控制盒, 1NC 继电器输出

10-30VDC direct input, 1NC relay output

DC24G: 10-30VDC无控制盒, 1NO 继电器输出

10-30VDC direct input, 1NO relay output

DC24H: 24VDC安全功能控制盒

24VDC safety function power box

连接电缆 Connection Cable:

1: 3.5m $\times$ 2根, 适用于标准中分门电梯

3.5m $\times$ 2pcs, for standard central-opening lift doors

2: 2.5m, 4.5m各1根, 用于旁开门电梯, 如图1

2.5m, 4.5m $\times$ 1pcs, for side opening lift doors, see fig 1

3: 2.5m, 4.5m各1根, 用于新型旁开门电梯, 如图2

2.5m, 4.5m $\times$ 1pcs, for new side opening lift doors, see fig 2

4: 5m $\times$ 2根, 适用于中分双折门电梯

5m $\times$ 2pcs, for Two Panel Central-opening Lift Doors

红外发射/接收管数量 TX/RX Number:

6: 17对光管 17 Diode sets

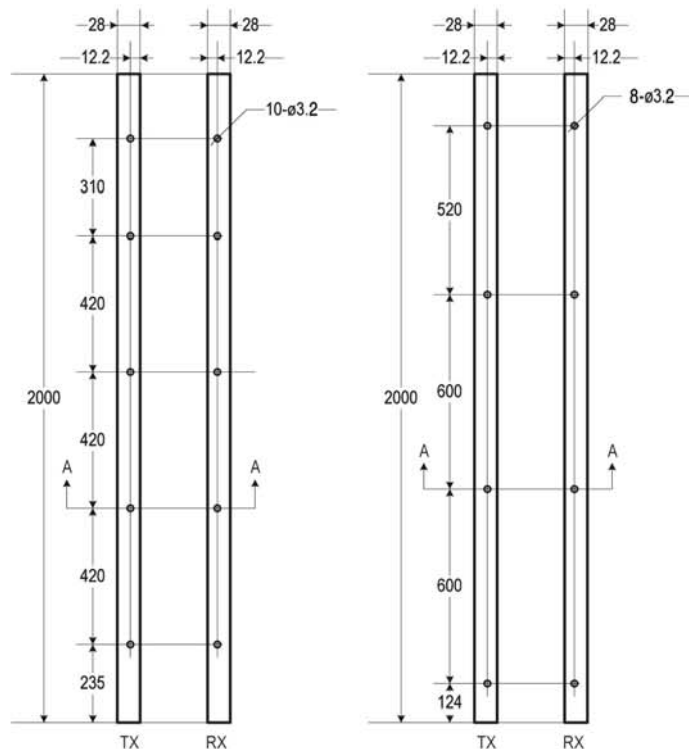
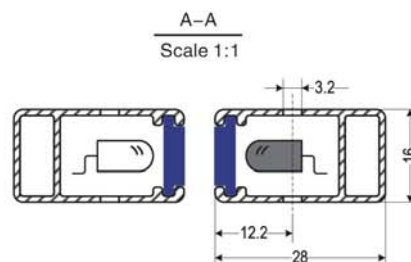
7: 32对光管 32 Diode sets

8: 40对光管 40 Diode sets

9: 48对光管 48 Diode sets

917: WECO-917系列 WECO-917 series

957: WECO-957系列 WECO-957 series



C6-C8

C9

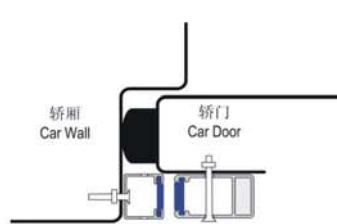


图1

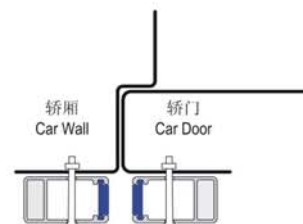


图2

技术参数 Technical Features

参数 Reference		规格 Model No.	917C6	917C7	957C6	957C7	957C8	957C9
项目 Items								
响应时间 Response Time			45ms@继电器输出 21ms@晶体管输出 45ms@relay output 21ms@transistor output	61ms@继电器输出 37ms@晶体管输出 61ms@relay output 37ms@transistor output	36.5ms@继电器输出 12.5ms@晶体管输出 36.5ms@relay output 12.5ms@transistor output	57.5ms@继电器输出 33.5ms@晶体管输出 57.5ms@relay output 33.5ms@transistor output	65.5ms@继电器输出 41.5ms@晶体管输出 65.5ms@relay output 41.5ms@transistor output	96.5ms@继电器输出 72.5ms@晶体管输出 96.5ms@relay output 72.5ms@transistor output
红外管数量 Number of Infra Red Diodes			17对 17Diode sets	32对 32Diode sets	17对 17Diode sets	32对 32Diode sets	40对 40Diode sets	48对 48Diode sets
扫描光束 Scanning Beams			94~33束 94~33Beams	128~94束 128~94Beams	94~33束 94~33Beams	154~94束 154~94Beams	194~118束 194~118Beams	234~142束 234~142Beams
防护高度 Detecting Height			20 ~ 1840mm				20 ~ 1870mm	20 ~ 1900mm
光管间距 Infra Red Diodes Range			117.5mm	58.8mm	117.5mm	58.8mm	47.5mm	40.0mm
冗余功能 Redundancy			无 None	同957C7 Same to 957C7	无 None	允许一个发射管在故障后120s被屏蔽 One transmitter shielded after 120s detected absent		
功耗 Power Consumption			≤4W or 100mA@DC24V					
使用环境温度 Operating Temperature			-20°C ~ +65°C					
位置公差 Tolerance			上下方向: ±10mm/7°,前后方向: ±3mm/5° Up/down: ±10mm/7° Back/forth: ±3mm/5°					
抗光干扰能力 Light Immunity			≤100000Lux.		能在任何光照环境下工作 Sunlight proof			
电磁兼容性 EMC (EN 12015) (EN 12016)	电快速脉冲 EFT	2级D通过(±1KV) Passed Level 2 tests D(±1KV)		4级D通过(±4KV) Passed Level 4 tests D(±4KV)				
	雷击浪涌 Surge	D (线对地 ±2.5KV、线对线 ±1KV) D (±2.5KV Line to ground, ±1KV Line to line)						
	静电放电 ESD	A (空气放电 ±15KV、直接放电 ±6KV) A (Air discharge ±15KV、Direct discharge ±6KV)						
	无线电传导 Radio-frequency	D (10V rms, 150kHz ~ 80MHz, 80%, 1kHz Amp. Mod., 1%, 3s)						
	无线电辐射 Radiated Immunity	D (30V/m, 80MHz ~ 1.96GHz, 80%)						
振动测试 Vibration			X-Y-Z三轴各4小时, 频率20 ~ 500Hz, 30Hz正弦波振动各30分钟 Vibration 20 to 500Hz 4hrs per X-Y-Z axis, sinusoidal vibration 30Hz rms 30mins per X-Y-Z axis					
工作距离 Detecting Range			0 ~ 3m		0 ~ 3m			
外观防护等级 Protection Level			IP54 (发射器、接收器), IP31 (控制盒) IP54 (TX, RX), IP31 (Power box)					
声音提醒 Voice Reminder			当光幕被连续遮挡15s后接收器内蜂鸣器开始鸣叫, 提醒乘客离开门区。 Buzzer in RX, after continuous detection for 15s, buzzer ON.					
指示功能 LED Interpretation			接收器绿色受电指示灯 Green LED power indicator in receiver		接收器红色状态指示灯 Red LED status indicator in receiver		控制盒绿色受电指示灯 Green LED power indicator in power box	
			控制盒红色状态指示灯 Red LED status indicator in power box					
								
								

*参数如有变更, 另行通知

917K

红外线电梯光幕

Infra Red Elevator Door Detector



标准规格 Model Definitions (917K71-AC220)

可选规格 Model Definitions



3D: 分体式3D光幕 3D Version

电源及输出接口配置 Power and system output options:
 AC220 控制盒, 继电器输出 Powerbox with relay output
 AV110 控制盒, 继电器输出 Powerbox with relay output
 DC24A: 24VDC $\pm 10\%$ 控制盒, 1NO/1NC 继电器输出
 24VDC $\pm 10\%$ power box, 1NO/1NC relay output
 DC24B: 10-30VDC 无控制盒, 1NO NPN 晶体管输出
 10-30VDC direct input, 1NO NPN output
 DC24C: 10-30VDC 无控制盒, 1NC NPN 晶体管输出
 10-30VDC direct input, 1NC NPN output
 DC24D: 10-30VDC 无控制盒, 1NO PNP 晶体管输出
 10-30VDC direct input, 1NO PNP output
 DC24E: 10-30VDC 无控制盒, 1NC PNP 晶体管输出
 10-30VDC direct input, 1NC PNP output
 DC24F: 10-30VDC 无控制盒, 1NC 继电器输出
 10-30VDC direct input, 1NC relay output
 DC24G: 10-30VDC 无控制盒, 1NO 继电器输出
 10-30VDC direct input, 1NO relay output
 DC24H: 24VDC 安全功能控制盒
 24VDC safety function power box

连接电缆 Connection Cable:

- 1: 3.5m $\times$ 2根, 适用于标准中分门电梯
3.5mx2pcs, for standard central-opening lift doors
- 2: 2.5m, 4.5m 各1根, 用于旁开门电梯, 如图1
2.5m, 4.5mx1pcs, for side opening lift doors, see fig1
- 3: 2.5m, 4.5m 各1根, 用于新型旁开门电梯, 如图2
2.5m, 4.5mx1pcs, for new side opening lift doors, see fig2
- 4: 5m $\times$ 2根, 适用于中分双折门电梯
5m $\times$ 2pcs, for Two Panel Central-opening Lift Doors

红外发射/接收管数量 TX/RX Number:
 6: 17对光管 17 Diode sets
 7: 32对光管 32 Diode sets

917: WECO-917系列 WECO-917 series
 957: WECO-957系列 WECO-957 series

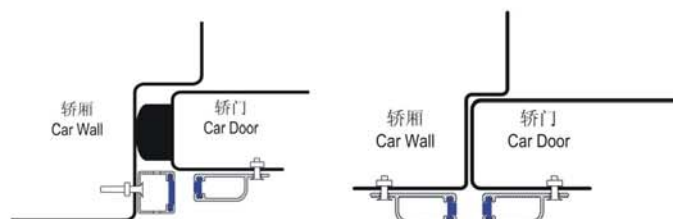
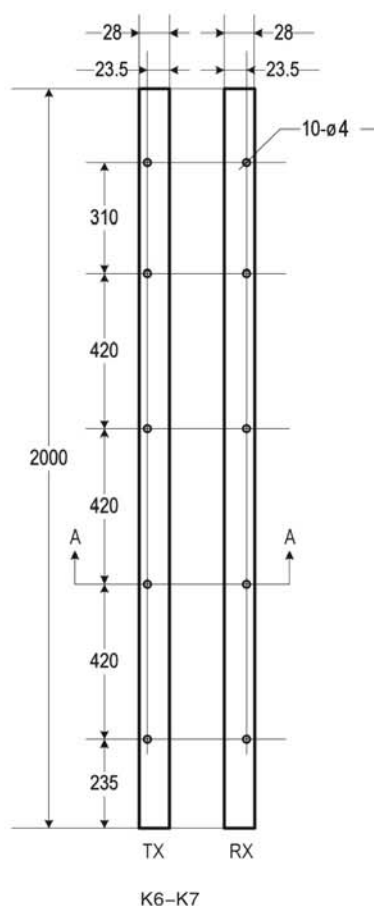
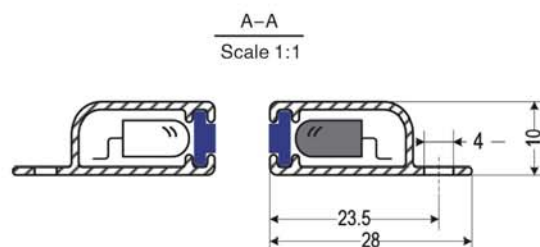


图1

图2

技术参数 Technical Features

参数 Reference		规格 Model No.	917K6	917K7	957K6	957K7
项目 Items						
响应时间 Response Time			45ms@继电器输出 21ms@晶体管输出 45ms@relay output 21ms@transistor output	61ms@继电器输出 37ms@晶体管输出 61ms@relay output 37ms@transistor output	36.5ms@继电器输出 12.5ms@晶体管输出 36.5ms@relay output 12.5ms@transistor output	57.5ms@继电器输出 33.5ms@晶体管输出 57.5ms@relay output 33.5ms@transistor output
红外管数量 Number of Infra Red Diodes			17对 17Diode sets	32对 32Diode sets	17对 17Diode sets	32对 32Diode sets
扫描光束 Scanning Beams			94~33束 94~33Beams	128~94束 128~94Beams	94~33束 94~33Beams	154~94束 154~94Beams
防护高度 Detecting Height			20 ~ 1840mm			
光管间距 Infra Red Diodes Range			117.5mm	58.8mm	117.5mm	58.8mm
冗余功能 Redundancy			无 None	同957K7 Same to 957K7	无 None	允许一个发射管在故障后120s被屏蔽 One transmitter shielded after 120s detected absent
功耗 Power Consumption			≤4W or 100mA@DC24V			
使用环境温度 Operating Temperature			-20°C ~ +65°C			
位置允差 Tolerance			上下方向: ±10mm/7°,前后方向: ±3mm/5° Up/down: ±10mm/7° Back/forth: ±3mm/5°			
抗光干扰能力 Light Immunity			≤100000Lux.		能在任何光照环境下工作 Sunlight proof	
电磁兼容性 EMC (EN 12015) (EN 12016)	电快速脉冲 EFT		2级D通过(±1KV) Passed Level 2 tests D(±1KV)		4级D通过(±4KV) Passed Level 4 tests D(±4KV)	
	雷击浪涌 Surge		D (线对地 ±2.5KV、线对线 ±1KV) D (±2.5KV Line to ground, ±1KV Line to line)			
	静电放电 ESD		A (空气放电 ±15KV、直接放电 ±6KV) A (Air discharge ±15KV、Direct discharge ±6KV)			
	无线电传导 Radio-frequency		D (10V rms, 150kHz ~ 80MHz, 80%, 1kHz Amp. Mod., 1%, 3s)			
	无线电辐射 Radiated Immunity		D (30V/m, 80MHz ~ 1.96GHz, 80%)			
振动测试 Vibration			X-Y-Z三轴各4小时, 频率20 ~ 500Hz, 30Hz正弦波振动各30分钟 Vibration 20 to 500Hz 4hrs per X-Y-Z axis, sinusoidal vibration 30Hz rms 30mins per X-Y-Z axis			
工作距离 Detecting Range			0 ~ 3m		0 ~ 3m	
外观防护等级 Protection Level			IP54 (发射器、接收器), IP31 (控制盒) IP54 (TX, RX), IP31 (Power box)			
声音提醒 Voice Reminder			当光幕被连续遮挡15s后接收器内蜂鸣器开始鸣叫, 提醒乘客离开门区。 Buzzer in RX, after continuous detection for 15s, buzzer ON.			
指示功能 LED Interpretation			接收器绿色受电指示灯 Green LED power indicator in receiver	接收器红色状态指示灯 Red LED status indicator in receiver	控制盒绿色受电指示灯 Green LED power indicator in power box	控制盒红色状态指示灯 Red LED status indicator in power box
		 	 	 	 	 

*参数如有变更, 另行通知

917L

红外线电梯光幕

Infra Red Elevator Door Detector



标准规格 Model Definitions (917L71-AC220)

可选规格 Model Definitions



3D: 分体式3D光幕 3D Version

电源及输出接口配置 Power and system output options:
 AC220 控制盒, 继电器输出 Powerbox with relay output
 AC110 控制盒, 继电器输出 Powerbox with relay output
 DC24A: 24VDC $\pm 10\%$ 控制盒、1NO/1NC继电器输出
 24VDC $\pm 10\%$ power box, 1NO/1NC relay output
 DC24B: 10-30VDC无控制盒、1NO NPN晶体管输出
 10-30VDC direct input, 1NO NPN output
 DC24C: 10-30VDC无控制盒、1NC NPN晶体管输出
 10-30VDC direct input, 1NC NPN output
 DC24D: 10-30VDC无控制盒、1NO PNP晶体管输出
 10-30VDC direct input, 1NO PNP output
 DC24E: 10-30VDC无控制盒、1NC PNP晶体管输出
 10-30VDC direct input, 1NC PNP output
 DC24F: 10-30VDC无控制盒、1NC 继电器输出
 10-30VDC direct input, 1NC relay output
 DC24G: 10-30VDC无控制盒、1NO 继电器输出
 10-30VDC direct input, 1NO relay output
 DC24H: 24VDC安全功能控制盒
 24VDC safety function power box

连接电缆 Connection Cable:

- 1: 3.5m $\times$ 2根, 适用于标准中分门电梯
3.5mx2pcs, for standard central-opening lift doors
- 2: 2.5m, 4.5m各1根, 用于旁开门电梯, 如图1
2.5m, 4.5mx1pcs, for side opening lift doors, see fig1
- 3: 2.5m, 4.5m各1根, 用于新型旁开门电梯, 如图2
2.5m, 4.5mx1pcs, for new side opening lift doors, see fig2
- 4: 5m $\times$ 2根, 适用于中分双折门电梯
5m $\times$ 2pcs, for Two Panel Central-opening Lift Doors

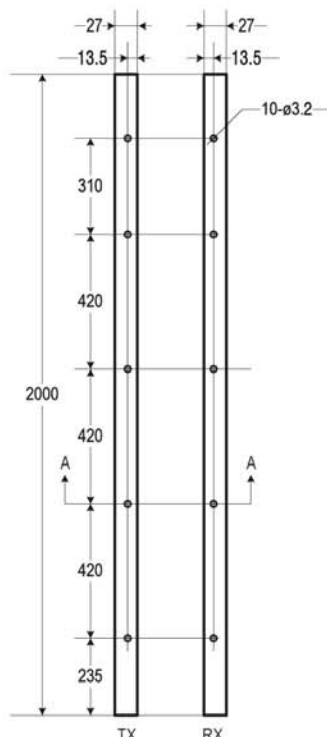
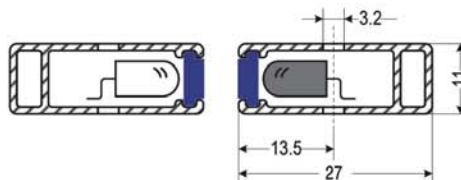
红外发射/接收管数量 TX/RX Number:

- 6: 17对光管 17 Diode sets
- 7: 32对光管 32 Diode sets
- 8: 40对光管 40 Diode sets
- 9: 48对光管 48 Diode sets

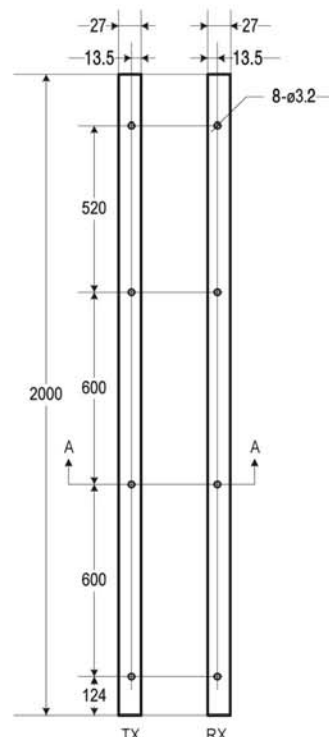
917: WECO-917系列 WECO-917 series

957: WECO-957系列 WECO-957 series

A-A
Scale 1:1



L6-L8



L9

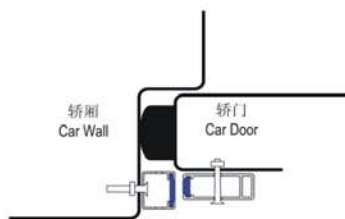


图1

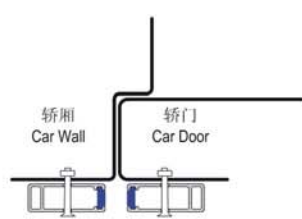


图2

技术参数 Technical Features

参数 Reference		规格 Model No.	917L6	917L7	957L6	957L7	957L8	957L9
项目 Items								
响应时间 Response Time			45ms@继电器输出 21ms@晶体管输出 45ms@relay output 21ms@transistor output	61ms@继电器输出 37ms@晶体管输出 61ms@relay output 37ms@transistor output	36.5ms@继电器输出 12.5ms@晶体管输出 36.5ms@relay output 12.5ms@transistor output	57.5ms@继电器输出 33.5ms@晶体管输出 57.5ms@relay output 33.5ms@transistor output	65.5ms@继电器输出 41.5ms@晶体管输出 65.5ms@relay output 41.5ms@transistor output	96.5ms@继电器输出 72.5ms@晶体管输出 96.5ms@relay output 72.5ms@transistor output
红外管数量 Number of Infra Red Diodes			17对 17Diode sets	32对 32Diode sets	17对 17Diode sets	32对 32Diode sets	40对 40Diode sets	48对 48Diode sets
扫描光束 Scanning Beams			94~33束 94~33Beams	128~94束 128~94Beams	94~33束 94~33Beams	154~94束 154~94Beams	194~118束 194~118Beams	234~142束 234~142Beams
防护高度 Detecting Height			20 ~ 1840mm				20 ~ 1870mm	20 ~ 1900mm
光管间距 Infra Red Diodes Range			117.5mm	58.8mm	117.5mm	58.8mm	47.5mm	40.0mm
冗余功能 Redundancy			无 None	同957L7 Same to 957L7	无 None	允许一个发射管在故障后120s被屏蔽 One transmitter shielded after 120s detected absent		
功耗 Power Consumption			≤4W or 100mA@DC24V					
使用环境温度 Operating Temperature			-20℃ ~ +65℃					
位置允差 Tolerance			上下方向: ±10mm/7°,前后方向: ±3mm/5° Up/down: ±10mm/7° Back/forth: ±3mm/5°					
抗光干扰能力 Light Immunity			≤100000Lux.		能在任何光照环境下工作 Sunlight proof			
电磁兼容性 EMC (EN 12015) (EN 12016)	电快速脉冲 EFT	2级D通过(±1KV) Passed Level 2 tests D(±1KV)			4级D通过(±4KV) Passed Level 4 tests D(±4KV)			
	雷击浪涌 Surge	D (线对地 ±2.5KV、线对线 ±1KV) D (±2.5KV Line to ground, ±1KV Line to line)						
	静电放电 ESD	A (空气放电 ±15KV、直接放电 ±6KV) A (Air discharge ±15KV、Direct discharge ±6KV)						
	无线电传导 Radio-frequency	D (10V rms, 150kHz ~ 80MHz, 80%, 1kHz Amp. Mod., 1%, 3s)						
	无线电辐射 Radiated Immunity	D (30V/m, 80MHz ~ 1.96GHz, 80%)						
振动测试 Vibration			X-Y-Z三轴各4小时, 频率20 ~ 500Hz, 30Hz正弦波振动各30分钟 Vibration 20 to 500Hz 4hrs per X-Y-Z axis, sinusoidal vibration 30Hz rms 30mins per X-Y-Z axis					
工作距离 Detecting Range			0 ~ 3m		0 ~ 3m			
外观防护等级 Protection Level			IP54 (发射器、接收器), IP31 (控制盒) IP54 (TX, RX), IP31 (Power box)					
声音提醒 Voice Reminder			当光幕被连续遮挡15s后接收器内蜂鸣器开始鸣叫, 提醒乘客离开门区。 Buzzer in RX, after continuous detection for 15s, buzzer ON.					
指示功能 LED Interpretation			接收器绿色受电指示灯 Green LED power indicator in receiver		接收器红色状态指示灯 Red LED status indicator in receiver		控制盒绿色受电指示灯 Green LED power indicator in power box	
			接收器绿色受电指示灯 Green LED power indicator in receiver		接收器红色状态指示灯 Red LED status indicator in receiver		控制盒绿色受电指示灯 Green LED power indicator in power box	
			接收器绿色受电指示灯 Green LED power indicator in receiver		接收器红色状态指示灯 Red LED status indicator in receiver		控制盒绿色受电指示灯 Green LED power indicator in power box	
								
								

*参数如有变更, 另行通知

红外线电梯光幕



标准规格 Model Definitions (917P71-AC220)
可选规格 Model Definitions



3D: 分体式3D光幕 3D Version

电源及输出接口配置 Power and system output options:

AC220 控制盒, 继电器输出 Powerbox with relay output

AC110 控制盒, 继电器输出 Powerbox with relay output

DC24A: 24VDC $\pm$ 10%控制盒, 1NO/1NC继电器输出
24VDC $\pm$ 10% power box, 1NO/1NC relay output

DC24B: 10-30VDC无控制盒, 1NO NPN晶体管输出
10-30VDC direct input, 1NO NPN output

DC24C: 10-30VDC无控制盒, 1NC NPN晶体管输出
10-30VDC direct input, 1NC NPN output

DC24D: 10-30VDC无控制盒, 1NO PNP晶体管输出
10-30VDC direct input, 1NO PNP output

DC24E: 10-30VDC无控制盒, 1NC PNP晶体管输出
10-30VDC direct input, 1NC PNP output

DC24F: 10-30VDC无控制盒, 1NC 继电器输出
10-30VDC direct input, 1NC relay output

DC24G: 10-30VDC无控制盒, 1NO 继电器输出
10-30VDC direct input, 1NO relay output

DC24H: 24VDC安全功能控制盒
24VDC safety function power box

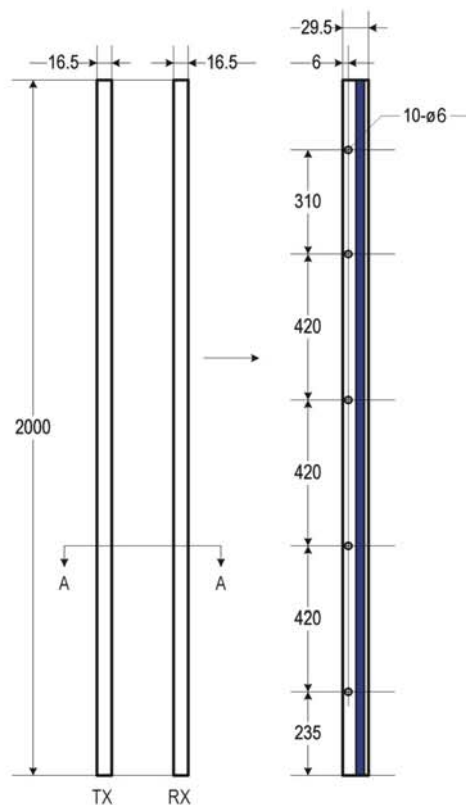
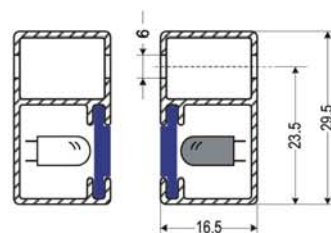
连接电缆 Connection Cable:
1: 3.5m x 2根, 适用于北美地区电梯
3.5mx2pcs, for North America lift doors

红外发射/接收管数量 TX/RX Number:

6:	17对光管	17 Diode sets
7:	32对光管	32 Diode sets
8:	40对光管	40 Diode sets
9:	48对光管	48 Diode sets

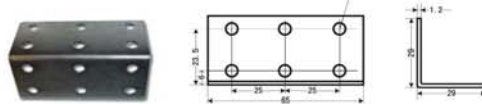
917: WECO-917系列 WECO-917 series
957: WECO-957系列 WECO-957 series

A-A
Scale 1:1

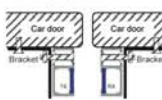


P6-P9

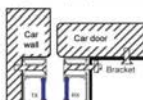
专用角铁 (Fixing Bracket)



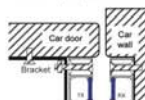
中分式安裝
Central Opening Installation



右旁开式安装
Right Side Opening Installation



左旁开式安装
Left Side Opening Installation



技术参数 Technical Features

参数 Reference		规格 Model No.	917P6	917P7	957P6	957P7	957P8	957P9
项目 Items								
响应时间 Response Time			45ms@继电器输出 21ms@晶体管输出 45ms@relay output 21ms@transistor output	61ms@继电器输出 37ms@晶体管输出 61ms@relay output 37ms@transistor output	36.5ms@继电器输出 12.5ms@晶体管输出 36.5ms@relay output 12.5ms@transistor output	57.5ms@继电器输出 33.5ms@晶体管输出 57.5ms@relay output 33.5ms@transistor output	65.5ms@继电器输出 41.5ms@晶体管输出 65.5ms@relay output 41.5ms@transistor output	96.5ms@继电器输出 72.5ms@晶体管输出 96.5ms@relay output 72.5ms@transistor output
红外管数量 Number of Infra Red Diodes			17对 17Diode sets	32对 32Diode sets	17对 17Diode sets	32对 32Diode sets	40对 40Diode sets	48对 48Diode sets
扫描光束 Scanning Beams			94~33束 94~33Beams	128~94束 128~94Beams	94~33束 94~33Beams	154~94束 154~94Beams	194~118束 194~118Beams	234~142束 234~142Beams
防护高度 Detecting Height			20 ~ 1840mm					20 ~ 1870mm 20 ~ 1900mm
光管间距 Infra Red Diodes Range			117.5mm	58.8mm	117.5mm	58.8mm	47.5mm	40.0mm
冗余功能 Redundancy			无 None	同957P7 Same to 957P7	无 None	允许一个发射管在故障后120s被屏蔽 One transmitter shielded after 120s detected absent		
功耗 Power Consumption			≤4W or 100mA@DC24V					
使用环境温度 Operating Temperature			-20℃ ~ +65℃					
位置允差 Tolerance			上下方向: ±10mm/7°,前后方向: ±3mm/5° Up/down: ±10mm/7° Back/forth: ±3mm/5°					
抗光干扰能力 Light Immunity			≤100000Lux.		能在任何光照环境下工作 Sunlight proof			
电磁兼容性 EMC (EN 12015) (EN 12016)	电快速脉冲 EFT	2级D通过(±1KV) Passed Level 2 tests D(±1KV)			4级D通过(±4KV) Passed Level 4 tests D(±4KV)			
	雷击浪涌 Surge	D (线对地 ±2.5KV、线对线 ±1KV) D (±2.5KV Line to ground, ±1KV Line to line)						
	静电放电 ESD	A (空气放电 ±15KV、直接放电 ±6KV) A (Air discharge ±15KV、Direct discharge ±6KV)						
	无线电传导 Radio-frequency	D (10V rms, 150kHz ~ 80MHz, 80%, 1kHz Amp. Mod., 1%, 3s)						
	无线电辐射 Radiated Immunity	D (30V/m, 80MHz ~ 1.96GHz, 80%)						
振动测试 Vibration			X-Y-Z三轴各4小时, 频率20 ~ 500Hz, 30Hz正弦波振动各30分钟 Vibration 20 to 500Hz 4hrs per X-Y-Z axis, sinusoidal vibration 30Hz rms 30mins per X-Y-Z axis					
工作距离 Detecting Range			0 ~ 3m		0 ~ 3m			
外观防护等级 Protection Level			IP54 (发射器、接收器), IP31 (控制盒) IP54 (TX, RX), IP31 (Power box)					
声音提醒 Voice Reminder			当光幕被连续遮挡15s后接收器内蜂鸣器开始鸣叫, 提醒乘客离开门区。 Buzzer in RX, after continuous detection for 15s, buzzer ON.					
指示功能 LED Interpretation			接收器绿色受电指示灯 Green LED power indicator in receiver		接收器红色状态指示灯 Red LED status indicator in receiver		控制盒绿色受电指示灯 Green LED power indicator in power box	
			控制盒红色状态指示灯 Red LED status indicator in power box					
								
								

*参数如有变更, 另行通知

917Q

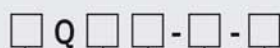
红外线电梯光幕

Infra Red Elevator Door Detector



标准规格 Model Definitions (917Q71-AC220)

可选规格 Model Definitions



3D: 分体式3D光幕 3D Version

电源及输出接口配置 Power and system output options:
 AC220 控制盒, 继电器输出 Powerbox with relay output
 AC110 控制盒, 继电器输出 Powerbox with relay output
 DC24A: 24VDC $\pm 10\%$ 控制盒、1NO/1NC继电器输出
 24VDC $\pm 10\%$ power box, 1NO/1NC relay output
 DC24B: 10-30VDC无控制盒、1NO NPN晶体管输出
 10-30VDC direct input, 1NO NPN output
 DC24C: 10-30VDC无控制盒、1NC NPN晶体管输出
 10-30VDC direct input, 1NC NPN output
 DC24D: 10-30VDC无控制盒、1NO PNP晶体管输出
 10-30VDC direct input, 1NO PNP output
 DC24E: 10-30VDC无控制盒、1NC PNP晶体管输出
 10-30VDC direct input, 1NC PNP output
 DC24F: 10-30VDC无控制盒、1NC 继电器输出
 10-30VDC direct input, 1NC relay output
 DC24G: 10-30VDC无控制盒、1NO 继电器输出
 10-30VDC direct input, 1NO relay output
 DC24H: 24VDC安全功能控制盒
 24VDC safety function power box

连接电缆 Connection Cable:

- 1: 3.5m $\times$ 2根, 适用于标准中分门电梯
 3.5mx2pcs, for standard central-opening lift doors
- 2: 2.5m, 4.5m各1根, 用于旁开门电梯, 如图1
 2.5m, 4.5mx1pcs, for side opening lift doors, see fig1
- 3: 2.5m, 4.5m各1根, 用于新型旁开门电梯, 如图2
 2.5m, 4.5mx1pcs, for new side opening lift doors, see fig2
- 4: 5m $\times$ 2根, 适用于中分双折门电梯
 5m $\times$ 2pcs, for Two Panel Central-opening Lift Doors

红外发射/接收管数量 TX/RX Number:

- 6: 17对光管 17 Diode sets
- 7: 32对光管 32 Diode sets
- 8: 40对光管 40 Diode sets
- 9: 48对光管 48 Diode sets

917: WECO-917系列 WECO-917 series

957: WECO-957系列 WECO-957 series

A-A
 Scale 1:1

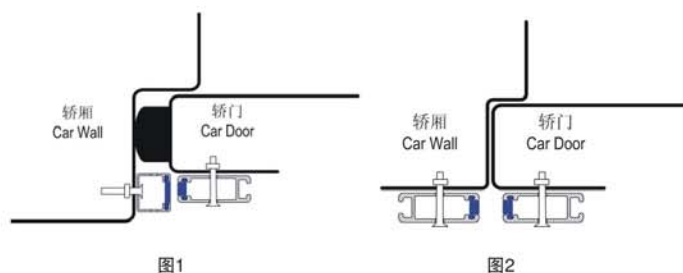
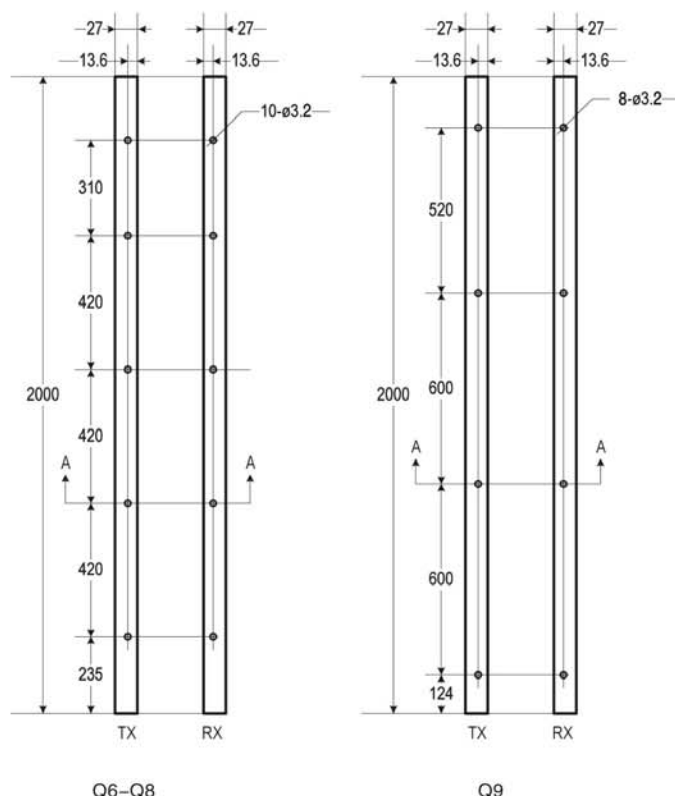
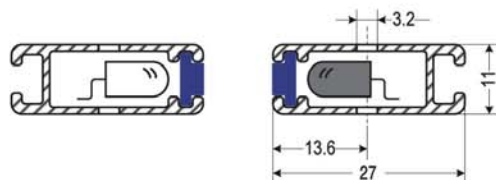


图1

图2

技术参数 Technical Features

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			控制盒红色状态指示灯 Red LED status indicator in power box					
								
								

*参数如有变更, 另行通知