



Test report

No: 2015-FB077

Product Name : Elevator Door Detector Inspection

Product Model : WECO-917

Applicant : NINGBO WECO OPTOELECTRONICS CO., LTD

Manufacturer : NINGBO WECO OPTOELECTRONICS CO., LTD

**Shanghai Jiao Tong University
Elevator Test Center**



Elevator Door Detector TEST REPORT		Report NO.: 2015-FB077	
		Page1	of 4
Illustration	Model	WECO-917	
	Manufacturer	Name: NINGBO WECO OPTOELECTRONICS CO., LTD	
		Add: NO.51 Longtanshan Road, Beilun, 315806, Ningbo, China	
	Applicant	Name: NINGBO WECO OPTOELECTRONIC CO., LTD	
		Add: NO.51 Longtanshan Road, Beilun, 315806, Ningbo, China	
	Test Place	NO. 51 Longtanshan Road, Beilun, 315806, Ningbo, China	
	Test Date	6 th Nov,2015	
Criterion	Enterprise technical requirements		
Technical Parameters	Detecting Range: 2.0m	Working Voltage: AC220V	
	Detecting object: /	Voltage frequency: 50Hz/60Hz	
	Highest unparalleled scanning beams: /	Current consumption: /	
	Maximum door opening width: /	Contact Form: /	
sampling	Sampling mode: Entrusted	Sampling location: /	
	Sample qty: /	Sampling organization: /	
Test conclusion	The elevator door detectors completely meets Enterprise technical requirements.		
	 (Stamp) Date of submission: 2015年12-25 检验报告专用章		

Approver: 张刚

Verifier: 王青

Inspector: 张刚

上海交通大学

Elevator Door Detector TEST REPORT

Report NO.: 2015-FB077

Page 2

of 4

Test Items and test result

NO.	Test Items	Standard Requirement	Test Result	Conclusion
1	Dimension	Thick: 11mm±0.3mm Length:2000mm±5mm Width: 24mm±0.5mm	T :11.2mm L:2000.5mm W: 24.2mm	Pass
2	Output mode	Relay output 1NC 1NO	1NC 1NO	Pass
3	Scanning beams	94beam	94beam	Pass
4	The highest beam	≧ 1800mm	1836mm	Pass
5	The lowest beam	≧ 25mm	20mm	Pass
6	The maximum detecting range	≧ 3.0m	3.5m	Pass
7	The minimum detecting range	≧ 5mm	5mm	Pass
8	Power adaptability adaptation	AC220V±15%	AC187-AC253 V	Pass
9	Vertical tolerance	±10mm	10mm	Pass
10	Horizontal tolerance	±3mm	3mm	Pass
11	Vertical angle tolerance	±7°	7°	Pass
12	Horizontal angle tolerance	±5°	5°	Pass
13	LED Status	1) red LED indicator in RX on when shielded or in fault 2) Red LED in power box on when shielded or in fault	Meet requirement	Pass
14	LED powered on status	1) Green LED in RX on after powered on 2) Green LED in power box on after powered on	Meet requirement	Pass
15	Working condition	Can continuously work normally at +65℃ Can continuously work normally at -20℃	Work normally	Pass
16	EFT	level 4(±4kV)	Work normally	Pass
17	ESD	Air discharge ±15kV, Direct discharge ±6kV	Work normally	Pass

Elevator Door Detector TEST REPORT

Report NO.: 2015-FB077

Page 3

of 4

NO.	Test Items	Standard Requirement	Test Result	Conclusion
18	Light immunity	$\cong 100000\text{Lx}$ 10min 2m	2m 10min 100200Lx work normally	Pass
19	Radiated immunity	140MHz~420MHz Interphone in close range, products without error action	Work normally	Pass
20	Radio- frequency	150KHz~80MHz 10V RMS	Work normally	Pass
21	surge	Line to groud: $\pm 2\text{kV}$ Line to line: $\pm 2\text{kV}$	Work normally	Pass
22	Protection level	TX&RX IP54	Work normally	Pass
23	Protection level	Power box: IP31	Work normally	Pass
24	Buzzer	Buzzer after continuous detection for 15s, buzzer on	Meet requirement	Pass

Elevator Door Detector TEST REPORT

Report NO.: 2015-FB077

Page4

of 4

Test Pictures



检测中心

Remarks
for test

NO