

5. Fault detection and solution

5.1 Mode 368 power supply

INDICATOR	PROBLEM	SOLUTION
<input type="checkbox"/> Green	Green LED is not lighted	No power supply
<input checked="" type="checkbox"/> Green	Green LED is lighted	The beam is blocked or problems with the detector
<input checked="" type="checkbox"/> Orange	Orange LED is lighted	System is normal

5.2 Receiver

INDICATOR	PROBLEM	SOLUTION
<input type="checkbox"/>	Both are not lighted	Wrong connection
<input checked="" type="checkbox"/> Flash	No light	The signal of emitter and receiver is open/The zero line is open
<input checked="" type="checkbox"/>	Both are lighted	The ray is blocked ,The buzzer gets into alarm condition after 15 seconds' continuous blocking
<input checked="" type="checkbox"/> Flash	Light	Single ray is blocked
<input type="checkbox"/>	Light	System is normal
<input type="checkbox"/>	No light	

6. Guarantee

The guarantee is 18 months. In guarantee period, ANT repair or change the damaged goods for the original buyer..

The buyer offers the damaged evidence and ANT offer the new one or new components after checking the fault.

ANT do not have responsibility to the damaging caused by improper using, accident or negligence.



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ELEVATOR DOOR PROTECTION SYSTEM

OPERATION MANUAL

ANT ELECTRONIC CO., LTD

1. Principle

The system include the emitter and receiver, power supply box, flexible cables. When the power is turned on, there will generate infrared screen between two doors. If any ray of infrared is blocked by any object or person, the doors stops closing immediately and open to protect people.

2. Technical parameter

Parameter	ES3000+ AS12094		ES12154 AS12154	
	Input voltage	AC/DC16~65V	AC/DC16~65V	AC65~285V
Power supply	Output voltage: 2X12V	AC/DC16~65V	Output voltage: 2X12V	AC65~285V
	Rated power: 5W Relay: 1A, 125VAC/2A, 30VDC Operating tem.: -20℃~85℃ Size: 154X50X31mm	AC/DC16~65V	Rated power: 5W Relay: 1A, 125VAC/2A, 30VDC Operating tem.: -20℃~85℃ Size: 154X50X31mm	AC65~285V
Detector	Voltage: 12VDC Power: ≤5W Response time: 45ms Highest beam: 1710mm Lowest beam: 25mm Protection distance: 0~5m Allow error: Alternative LED Protection grade: IP 65(moisture proof)	AC/DC16~65V	Voltage: 12VDC Power: ≤5W Response time: 61ms Highest beam: 1860mm Lowest beam: 25mm Protection distance: 0~5m Allow error: Alternative LED Protection grade: IP 65(moisture proof)	AC65~285V
	Sensor number: 17 pairs Beam number: 94	AC/DC16~65V	Sensor number: 32 pairs Beam number: 154	AC65~285V
Optional accessories	Manual	1	Manual	1
	Guarantee	1	Guarantee	1
	Adhesive disk	8	Adhesive disk	10
	Cable clip R	8	Cable clip R	10
	Cable strip 10cm	8	Cable strip 10cm	10
Bolt, nut, washer	8	Bolt, nut, washer	12	
Power supply	1	Power supply	1	
Other functions	Allow a launch tube is blocked in 120S after the failure of continuous fault			

3. Installation

3.1 Installation

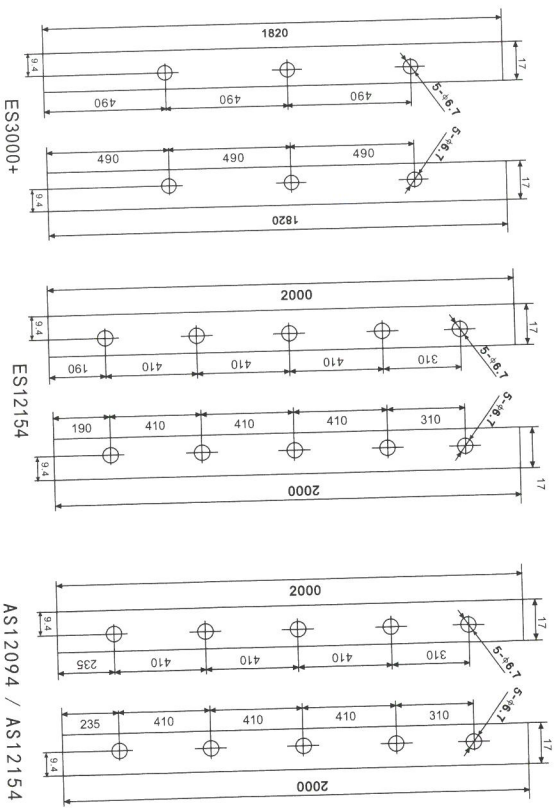
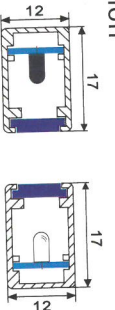
Put the detector on the door edge, 10mm away from the bottom. Mark the fixing holes on the door edge. Move away the detector and drill 4mm holes on the edge. Fix the detector with fixers in accessory bag. Connect two cables with power supply: model 368.

3.2 Sectional view(Pic 1)

3.3 Installation figure(Pic 2)

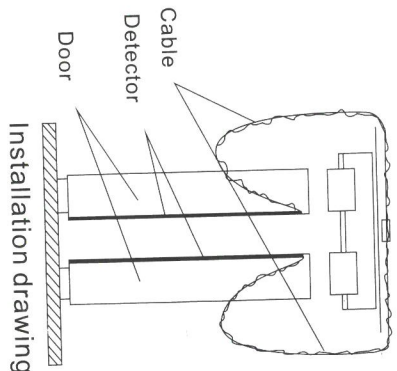
3.4 Structural drawing of powerbox(Pic 3)

4. Size and installation



Controller

Picture 1



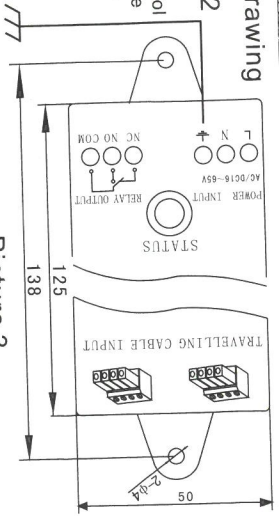
Installation drawing

Picture 2

Caution
Please ground the control box with good conductive earth wire to improve the light resistance and the function of the system.

Caution
Avoid strongly bending or twisting the cables.

Compulsory
The power to the controller is the same with the lighting power in car.



Picture 3