

5.Installation and setting

1、Take out the PCB

Take out the upper plastic block

Take out the under plastic block

Push out the PCB from the under by a screw-driver

2、Cable connect

Master detector

Slave detector

Control panel

Wire size	Voltage distance	DC14V	DC24V
0.5mm ² (ϕ 0.8)		300m	600m
0.75mm ² (ϕ 0.18)		400m	800m
1.25mm ² (ϕ 1.2)		700m	1400m
2.0mm ² (ϕ 1.6)		1000m	2000m

Wiring distance between power and main detector

3、Jump setting

Slave detector buzzer switch

Master detector buzzer switch

Instant,delay output option

4、Fix the fence bracket

1、Put the PCB in after align the slot

2、Take out the arc-shape anti-water lid

3、Drill the hole for cable with a screw-driver

4、Extend the cable, then derive it from under

5、Fix it on the position you want

6、Take the arc-shape anti-water lid back

7、Adjust the housing horizontally for the best result (it is normal when buzzer silent)

Installation guide of ABX digital frequency intelligent infrared fence

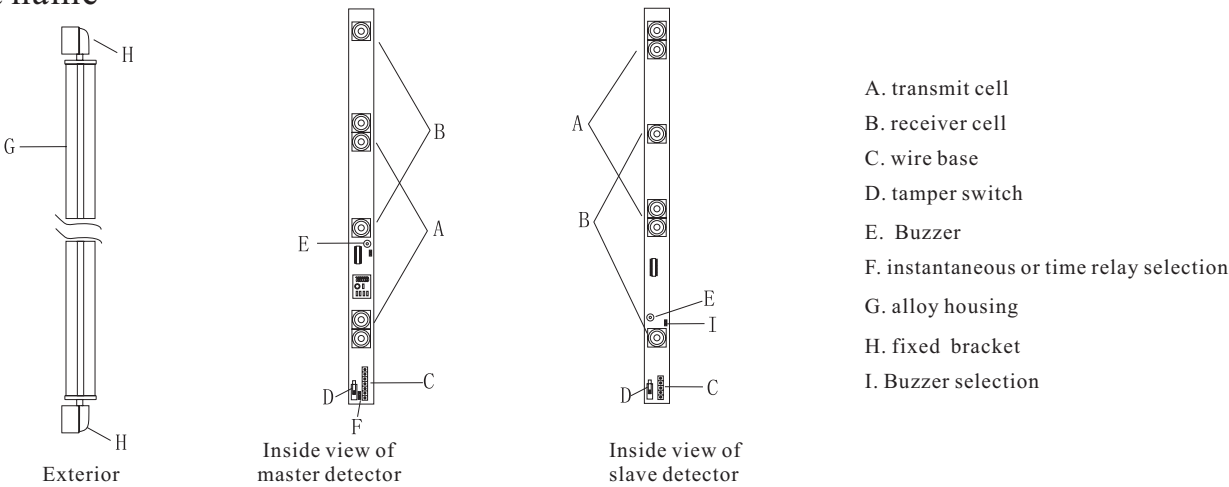
1. Brief introduction

ABX series digital alter-frequency intelligence infrared fence is the best infrared fence with highest quality and fullest functions. Adopt CPU micro-process digital control technology, with Al-alloy housing, with advanced technology, distinguished ability, designed perfectly, use coaxial un-spherical lens with double focus, advanced emitter fit for gain auto-adjust technology, with high sensitivity, strong ability of anti-interfere. Completely fit for indoor or outdoor of 24-hour,Perfect Al-alloy housing, tamper, anti-opening circuit design; 360° discretional rotate can let adjust more quick and accuracy; Adopt photoelectric recognize principle can prevent small pet, bird, tree, leave, specially sunlight result to false alarm effectively .With pre-alarm and trouble output functions, wired/wireless compatibility, 4,8,12 beams eligibility .Silvery housing, streamline design, simply and glory, measure to the requirement of veranda of mo-dern house, fence of villa, open warehouse, pasture, etc.

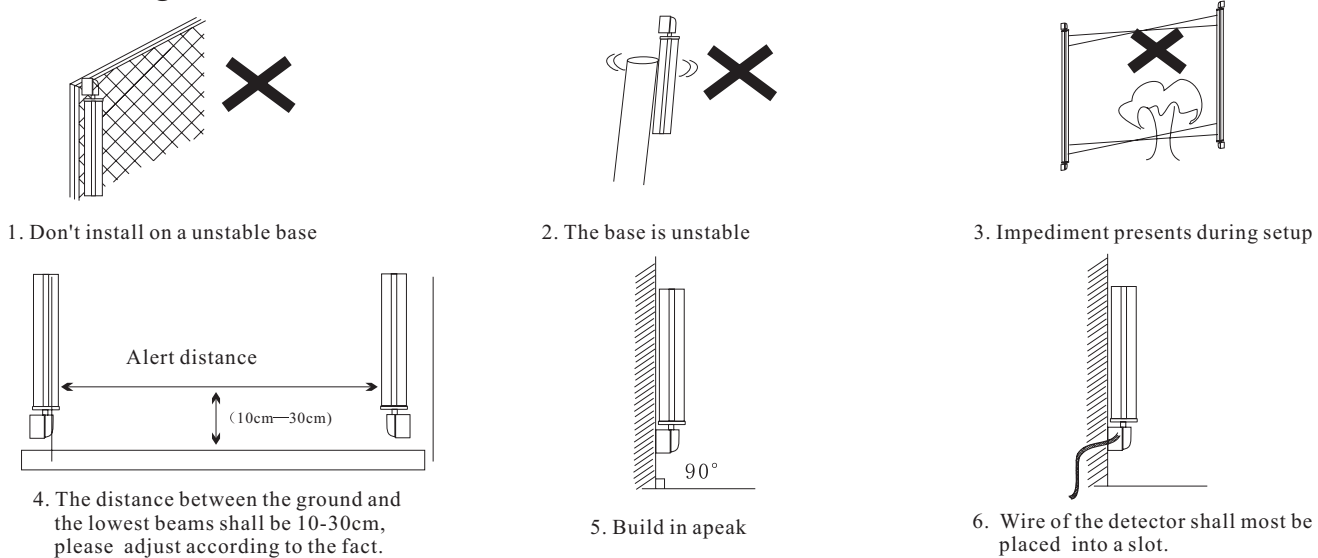
2. Characteristic

- 1. Photo electric detect structure, totally avoid the interference from sunlight.
- 2. Buzzer will pre-alarm when single beam blocked
- 3. Special trouble output port
- 4. Instant alarm and delay alarm eligibility
- 5. AGC control technology which ensure safe from the interference of surrounding.

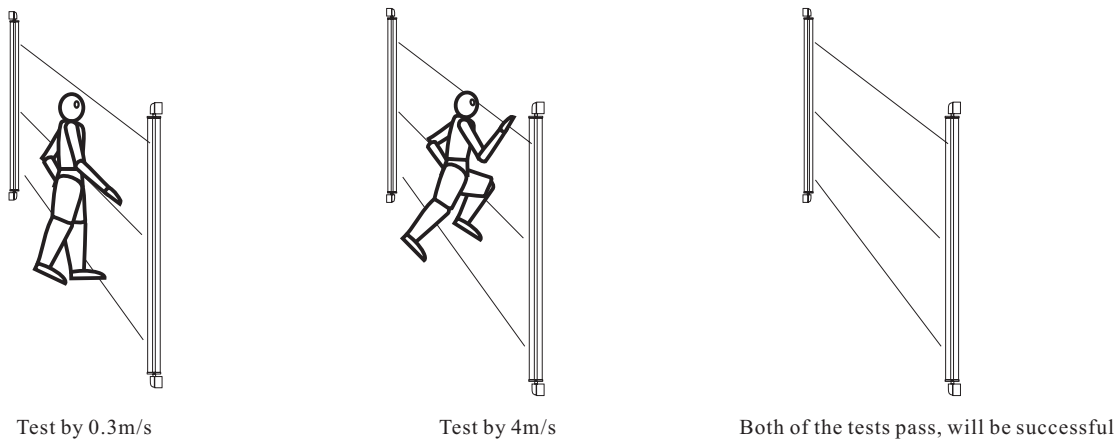
3. Part name



4. General guidelines



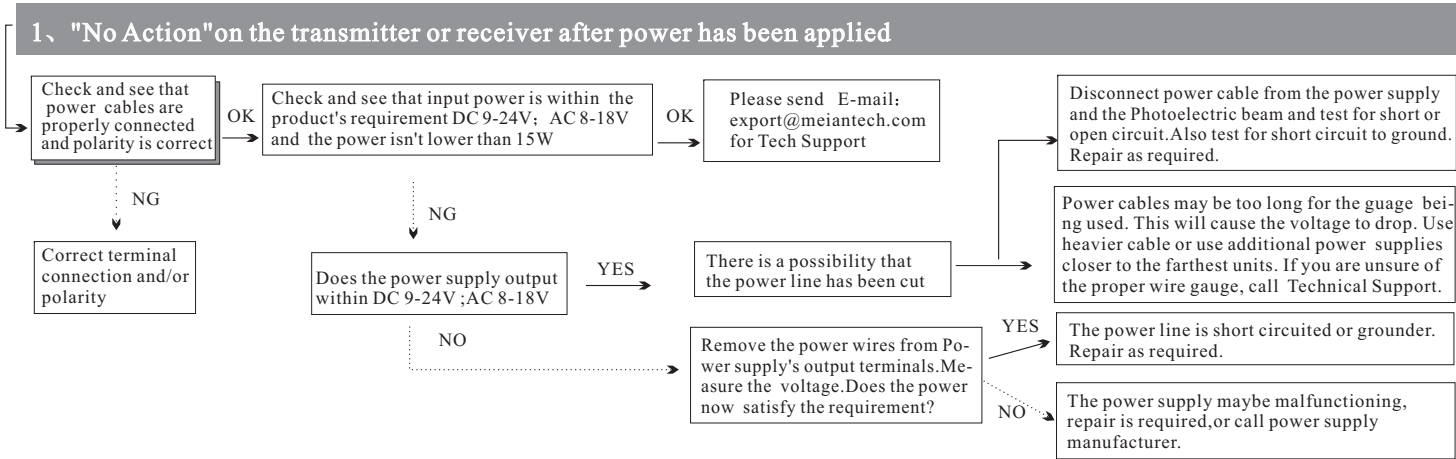
6.Walking test



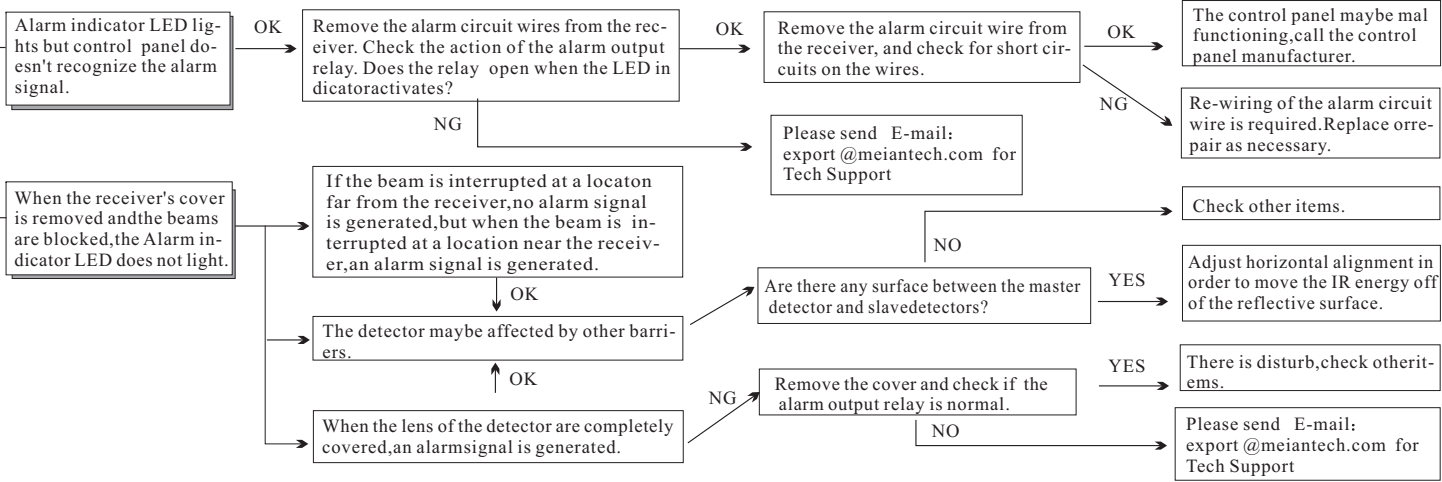
7.Technical parameters

Model		ABX-104	ABX-106	ABX-108	ABX-110	ABX-112	ABX-204	ABX-206	ABX-208	ABX-210	ABX-212	ABX-404	ABX-406	ABX-408	ABX-410	ABX-412	ABX-604	ABX-606	ABX-608	ABX-610	ABX-612				
Alart distance	Outdoor	10m					20m					40m					60m								
	Indoor	20m					40m					80m					120m								
No.of the beams		4	6	8	10	12	4	6	8	10	12	4	6	8	10	12	4	6	8	10	12				
Detecting mode		Neighbor 2 beams blocked simultaneous																							
Optical source		Infrared digital pulse beam																							
Response speed		100-500msec																							
Alarm output		Relay contact output:NO.NC contact rating:AC/DC30V 0.5AMax																							
Power supply		DC 9-24V AC 8-18V 15W																							
Power consumption		40mA		50mA		60mA		60mA		70mA		80mA		80mA		90mA		100mA		100mA		110mA		120mA	
Temperature&humidity		-25℃-55℃ 5%-95%RH （relative humidity）																							
Dimension		Refer to the diagram																							
Tamper output		Contact output:NC contact rating:DC24V 0.5Amax.																							
Optical axis adjustment		360°																							
Material		Al alloy metal housing																							
Net weight		600g （4-beam）					1200g （8-beam）					1800g （12-beam）													
Gross weight		850g （4-beam）					1550g （8-beam）					2600g （12-beam）													

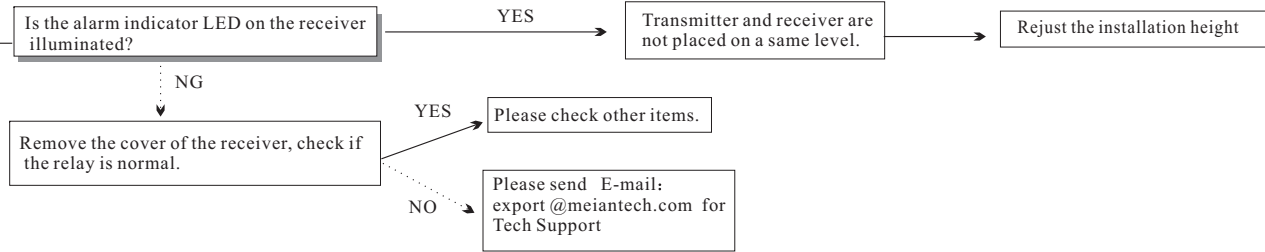
8. Trouble solution



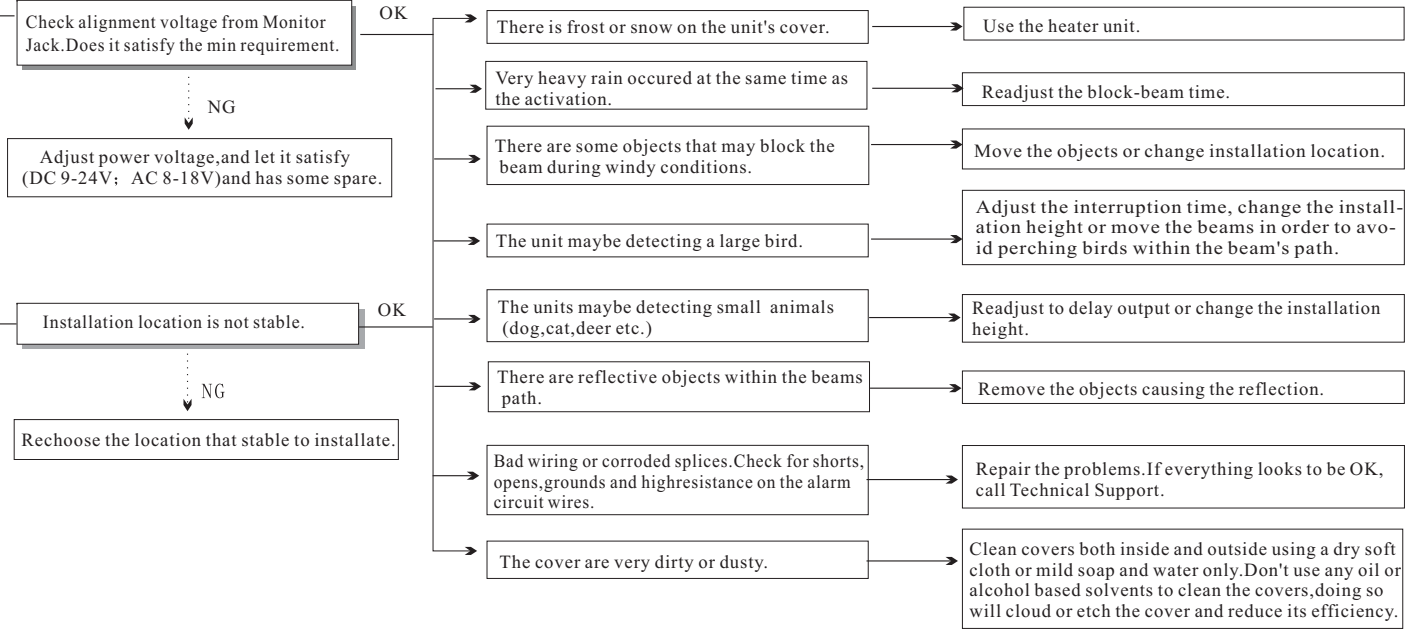
2、"No Action" on alarm zone even though the beams are completely blocked.



3.Alarm signal is being generated though beams are not blocked



4. False alarm



9.Special comments

Even the most sophisticated detectors can sometimes be defeated or may fail to warn due to :DC power failure/improper connection, malicious masking of the lens, tampering with the optical system, decreased sensitivity in ambient temperatures near that of the human body and unexpected fail-ure of a component part. The above list includes the most common reasons for failure recommended that the detector and the entire alarm system be checked weekly, to ensure proper performance. An alarm system should not be regarded as a substitute for insurance. Home and property owners or renters should be prudent enough to continue insuring their live sand property, even though they are protected by an alarm system.



WARNING! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.