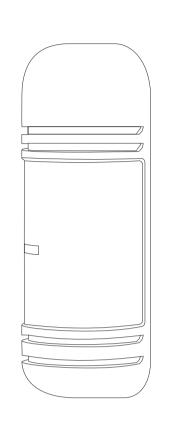
# Digital 8-frequency conversion active infrared detector Installation guide

# **ABH-B** series



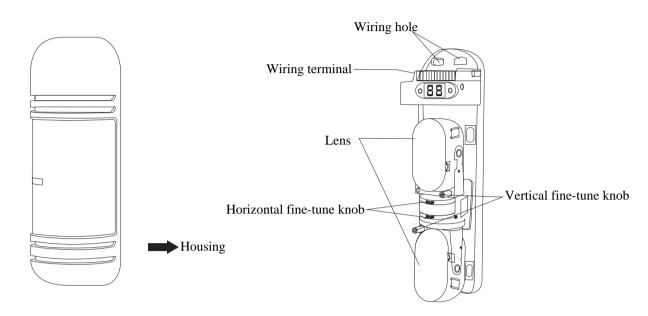


P/N:2014821-4

## I. Specification

Model		ABH-50	ABH-100	ABH-150	ABH-200	ABH-250
Alert distance	Outdoor	50m	100m	150m	200m	250m
	Indoor	150m	300m	450m	600m	750m
No. of beams		4 beams				
Detection mode		4 beams blocked simultaneous				
Optical source		Infrared digital pulse beam				
Response speed		50 240msec adjustable				
Alarm output		Relay contact output: NO. NC contact rating: AC/DC30V 0.5AMax				
Power supply		DC13.8 -24V				
Power consumption		95mA	100mA	100mA	100mA	105mA
Operation temperature & humidity		-25 -55 5%-95%RH(relative humidity)				
Tamper output		Contact output: NC contact rating DC24V 0.3Amax				
Optical axis adjustment(H)		180° (±90°)				
Optical axis adjustment(V)		20° (±10°)				
Material		PC resin				
Net weight		2000g(receiver +transmitter)				
Gross		2500g				

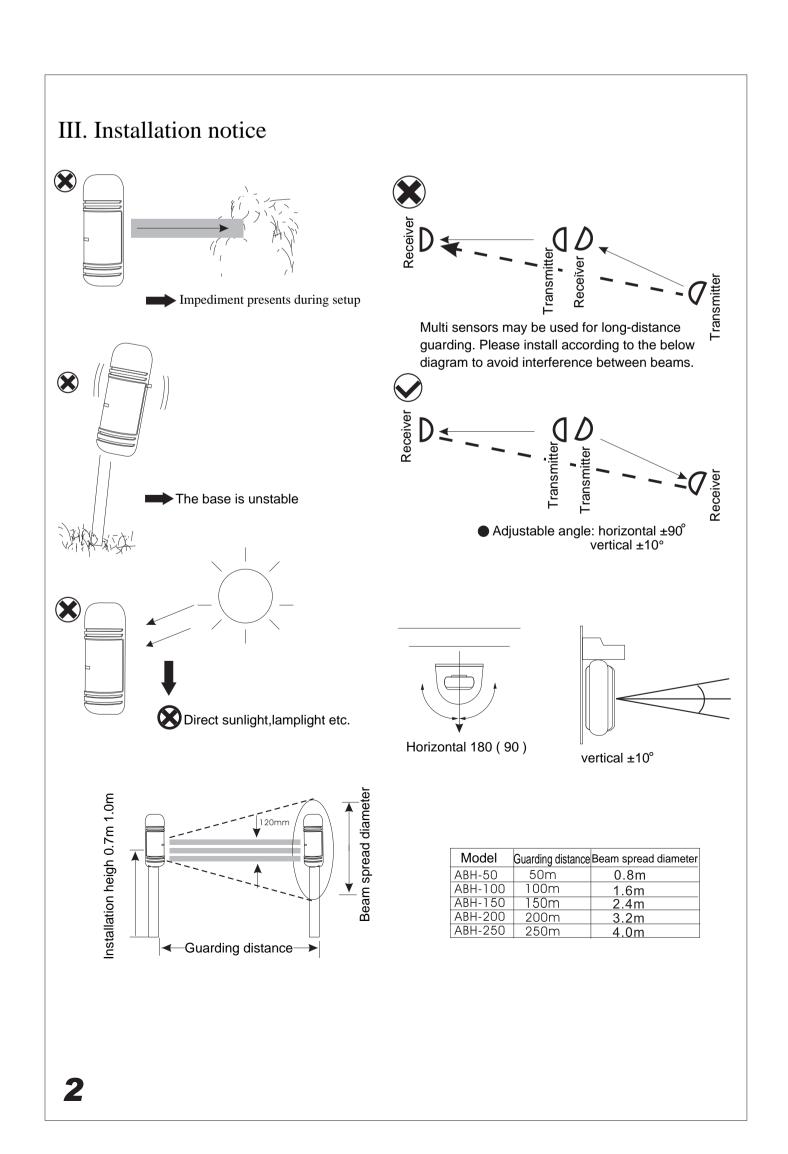
#### II. Parts

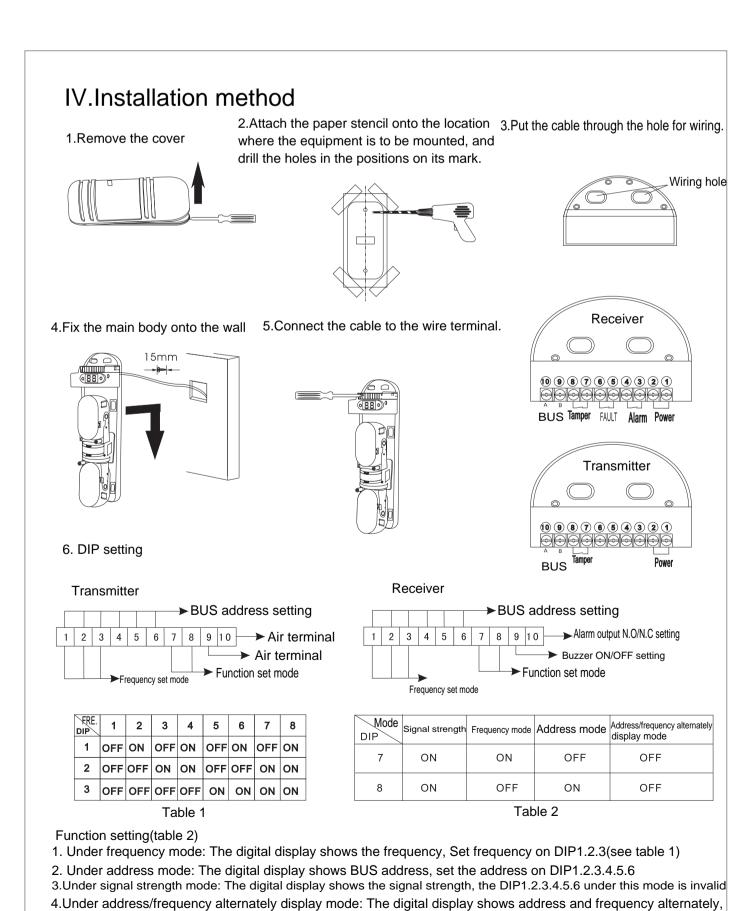


#### Features:

- 1. Under BUS connection mode: The digital display of RX synchronize with the TX after the RX receive the signal from BUS
- 2. Anti-fog function: When signal strength decrease slowly to 0.8V, the detector will active anti-fog alarm( TBL output), when signal decrease to 0.4V, will active alarm, when signal get back to 1.2V cancel alarm.

1



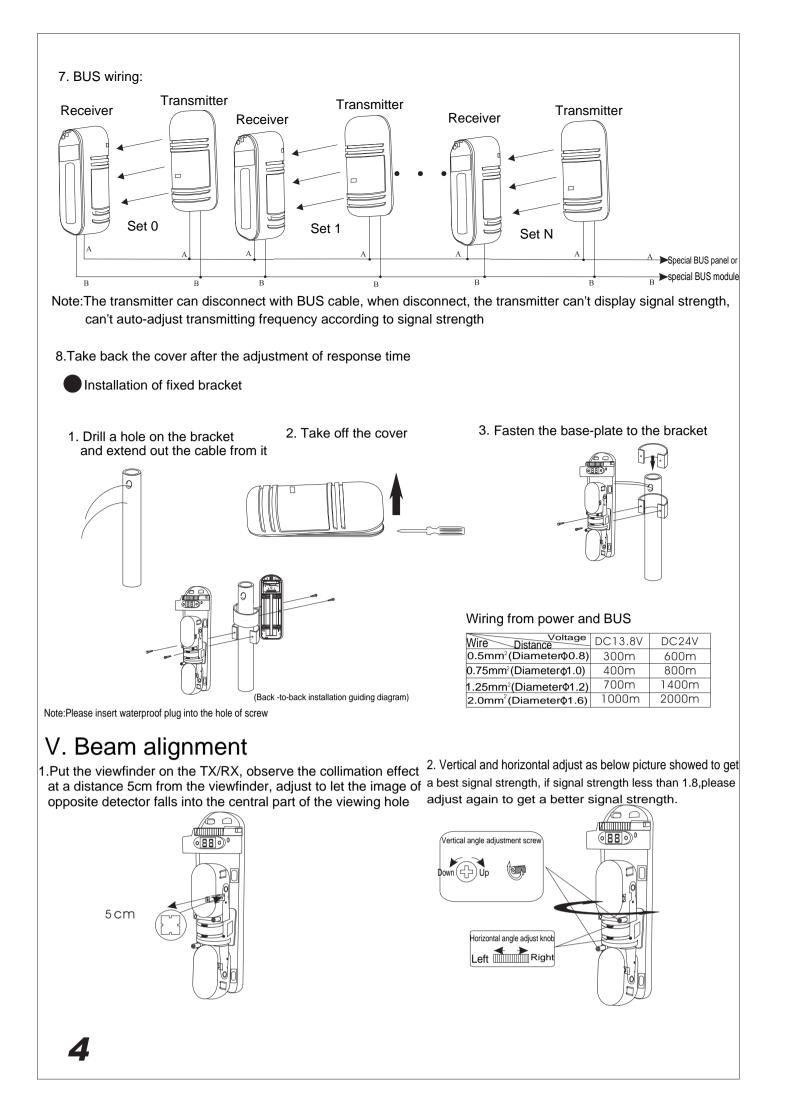


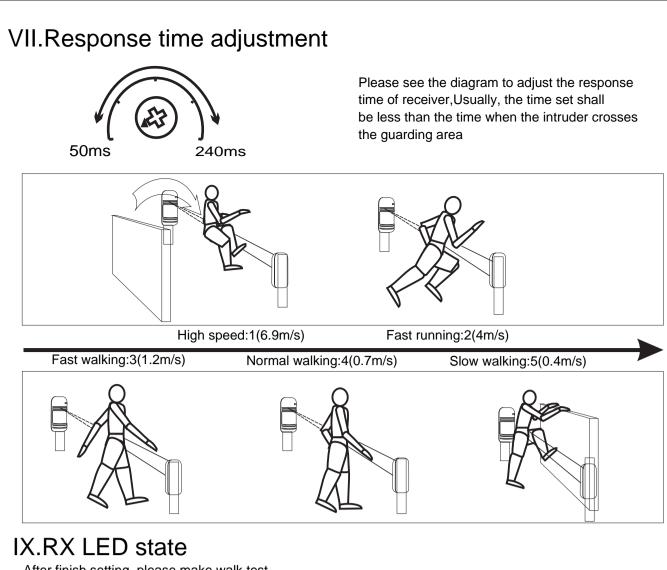
the DIP1.2.3.4.5.6 under this mode is invalid

Frequency setting:(First enter frequency setting mode, see table 2)

Under address mode, Set DIP 1-6 to set the detector's zone address. first set DIP at ON, the number of the one DIP which set ON puls the other one, then plus 1, the final result of number is the zone number, example this is zone 18(17+1)

Then set DIP 1.2.3 to set detector's frequency( see table 1) BUS address setting:(First enter address mode, see table 2)





After finish setting, please make walk test.

	Green LED	Red LED	
TX	Flash when is BUS signal, light on when there is no BUS signal	Always light on	
RX	Flash when is BUS signal, light on when there is no BUS signal	Light on when alarming, light off as normal status	

### X.Structure & Dimension

