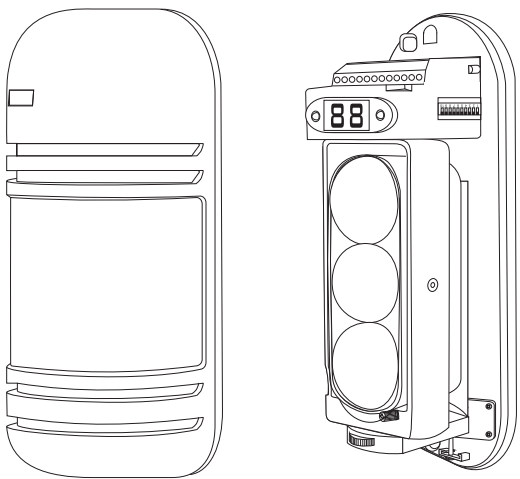


WIRED COMPATIBLE 3 BEAMS ACTIVE INFRARUSION DETECTORS

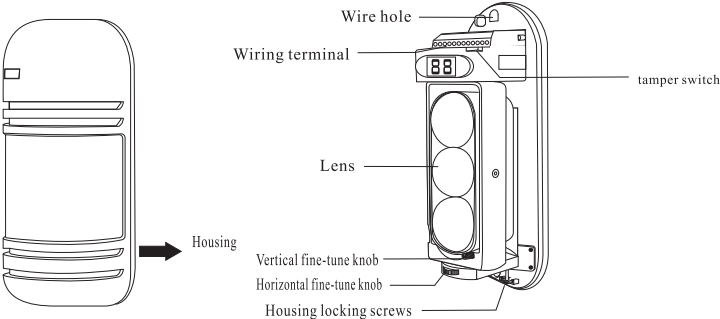
INSTALLATION GUIDE



I.Technical parameters:

	Model	B50F	B75F	B100F	B125F	B150F	B180F	B200F	B250F
Alert distance	(Outdoor)	50m	75m	100m	125m	150m	180m	200m	250m
	(Indoor)	150m	225m	300m	375m	450m	540m	600m	750m
Number of beams		3 beams							
Detection mode		3 beams blocked simultaneous							
Optical source		Infrared digital pulse beam							
Response time		50-240ms （adjustable without degree）							
Power supply		DC13.8～24V 15W							
Alarm output		Relay contact output NO.NC contact rating AC/DC30V 30mAMax							
Trouble output		Relay contact output NC contact rating AC/DC30V 30mAMax							
Tamper output		Relay contact output NC contact rating DC24V 0.5Amax.							
Power consumption		≤65mA		≤70mA		≤80mA		≤90mA	
Operation temperature&humidity		-25℃～55℃ 5%-95%RH（relative humidity）							
Optical axis adjustment（H）		180°（±90° ）							
Optical axis adjustment（V）		20°（±10° ）							
Material		P C resin							
Net weight		1250g（receiver+transmitter）							
Gross weight		2168g							

II. Part name:

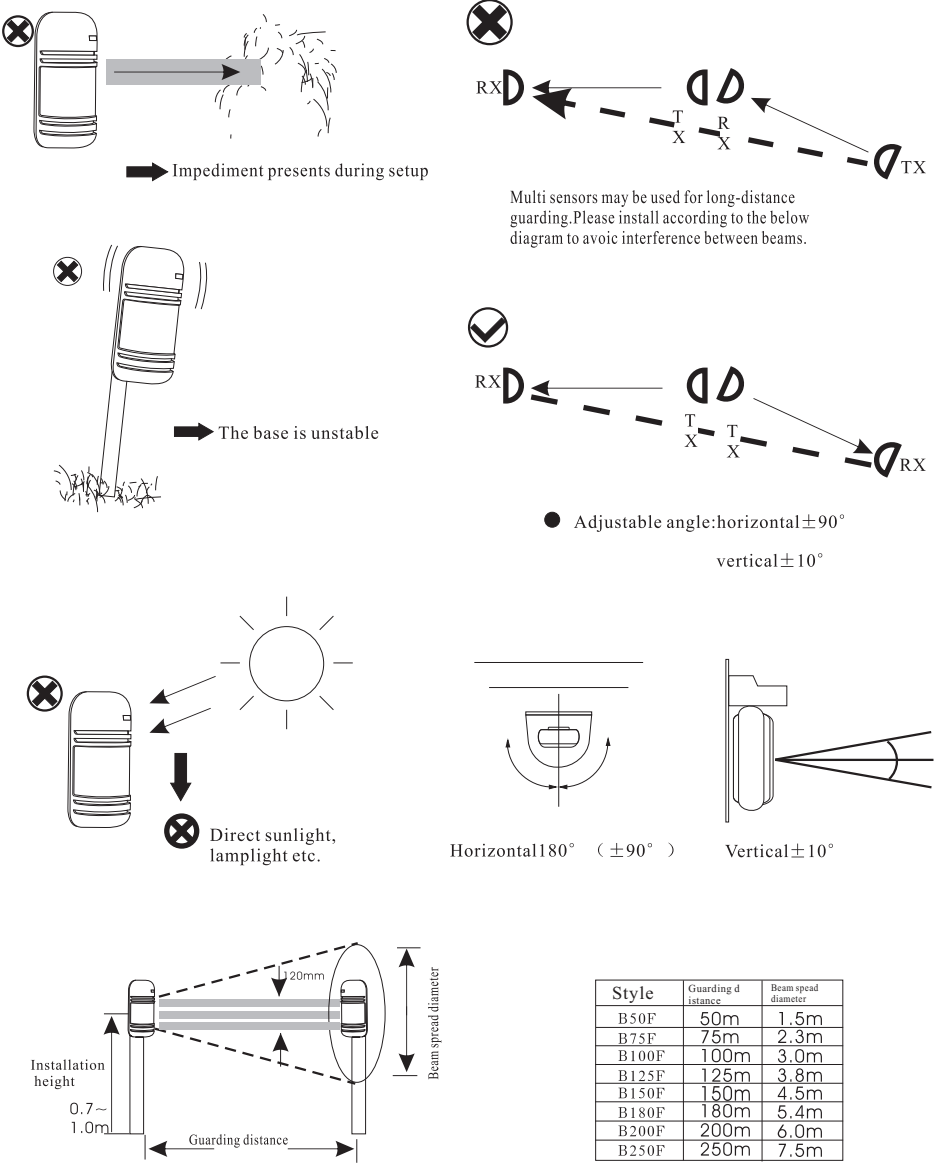


Feature:

1.Under bus connection mode: The digital display of RX synchronize with the TX after the RX receive the signal from bus.

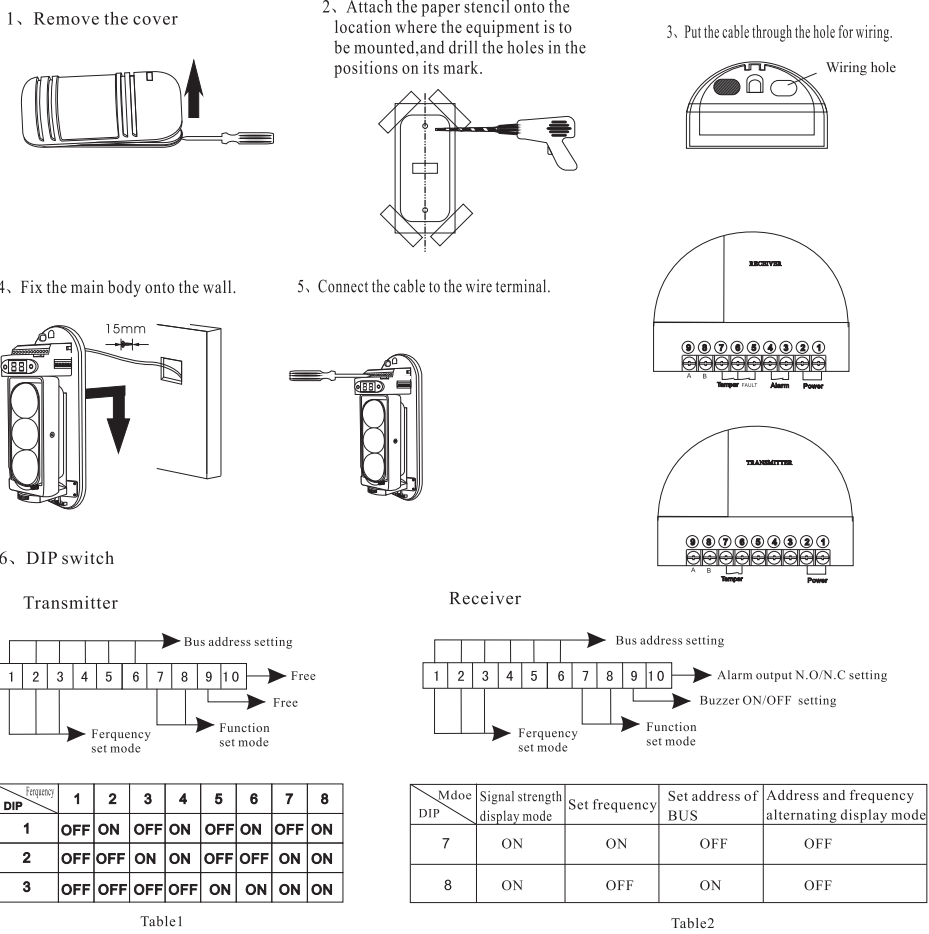
2.Anti-fog function: when signal strength decrease slowly to 0.8V the detector will active anti-fog alarm (TBL out put), when signal decrease to 0.4V, will active alarm. When signal get back to 1.2v cancel alarm.

III.Precautions for setting:



1 2

IV.Setting procedure



Function setting(table 2)

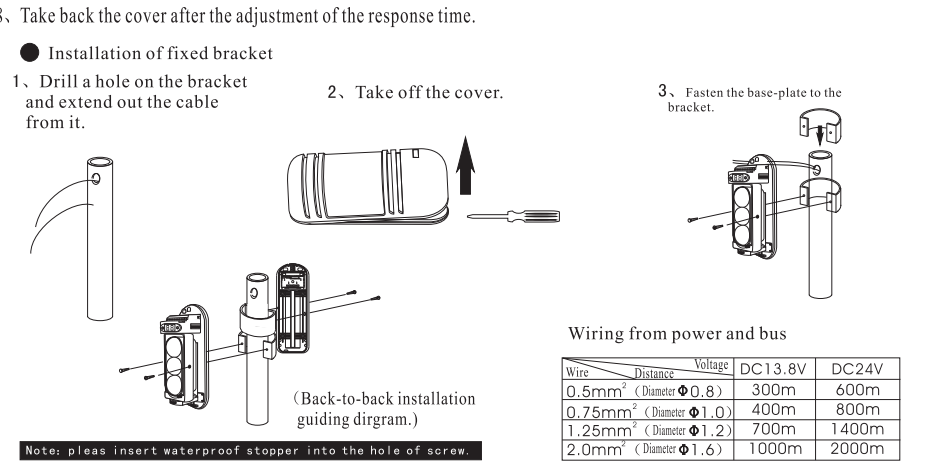
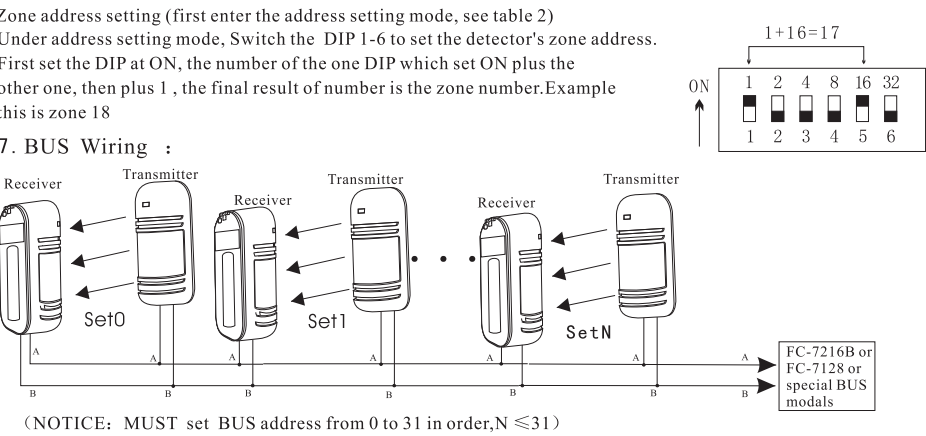
1.Set frequency: set DIP 7 at ON, DIP 8 at OFF to enter the frequency setting mode, the digital display shows the frequency. Set frequency on DIP 1,2,3. see table 1.

2.Set address of BUS: set DIP 7 at off, DIP 8 at ON to enter address setting mode. The digital display shows the address number, set the address on DIP 1,2,3,4,5,6

3.Signal strength display mode: Set DIP 7 at ON, DIP 8 at ON to enter signal signal strength mode, the digital display shows the signal strength. The DIP1,2,3,4,5,6 under this mode is free.

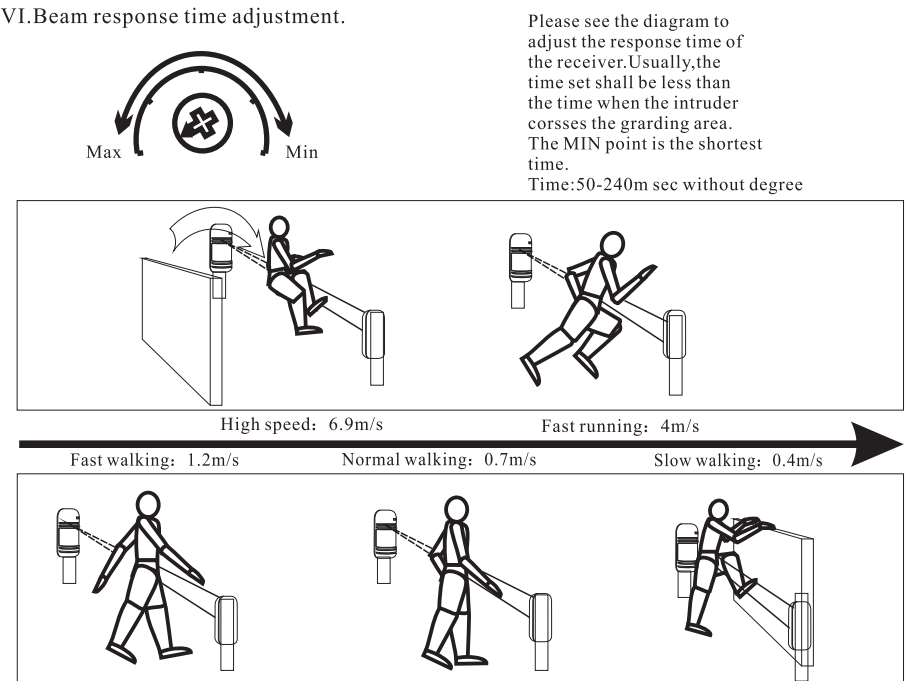
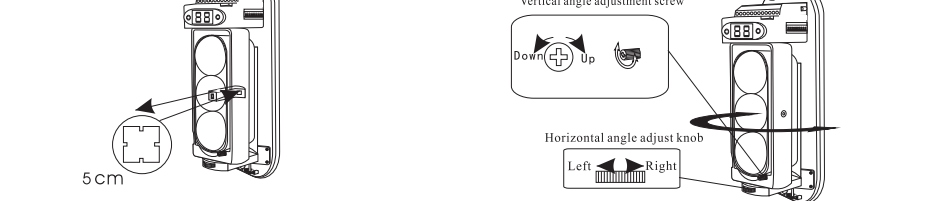
4.Address and frequency alternating display mode, set DIP 7 at OFF, DIP 8 at OFF to enter address and frequency alternating display mode, The DIP1,2,3,4,5,6 under this mode is free.

Frequency setting: First enter the frequency setting model(see table 2), Then set DIP 1,2,3 to set the detector's frequency.(see table 1)



Wiring from power and bus

Wire	Distance	Voltage	DC13.8V	DC24V
0.5mm ² (DiameterΦ0.8)			300m	600m
0.75mm ² (DiameterΦ1.0)			400m	800m
1.25mm ² (DiameterΦ1.2)			700m	1400m
2.0mm ² (DiameterΦ1.6)			1000m	2000m



七、LED

After finish setting, please make walk test.

	Green	Red
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

