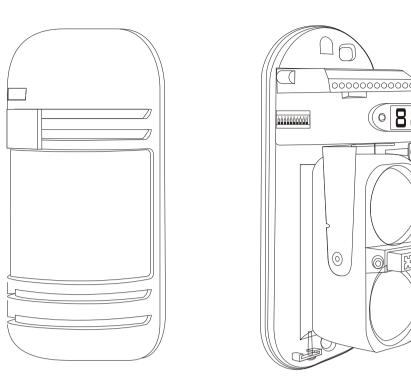
Wired / Wireless Perimeter **Intrusion Beam Detector**

OBS-100B2





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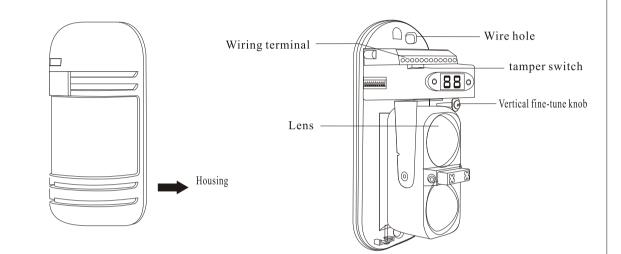
Alert distance	(Outdoor)	50m - 100m
	(Indoor)	100m
Number of beams		2 beams
Detection mode		2 beams blocked simultaneous
Optical source		Infrared digital pulse beam
Response time		50-240ms (adjustable without degree)
Power supply		DC13.8~24V 15W
Alarm output		Relay contact output NO.NC contact rating 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		In the bus mode 13.8V DC, $\leq 100 \text{mA}$
Operation temperature&humidity		-25°C~55°C 5%-95%RH (relative humidity)
Optical axis adjustment (H)		$180^{\circ} (\pm 90^{\circ})$
Optical axis adjustment (V)		20° ($\pm 10^\circ$)
Material		P C resin
Net weight		430g (receiver+transmitter)
Gross weight		790g

OBS-100B2

II. Part name:

I. Technical parameters:

Model



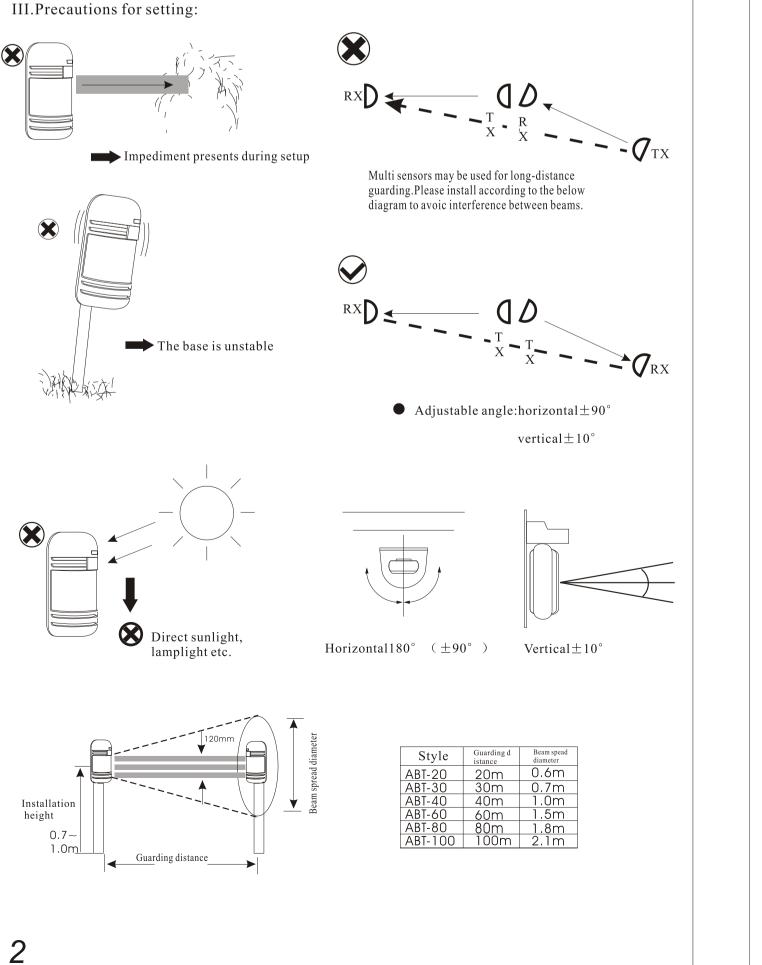
Feature:

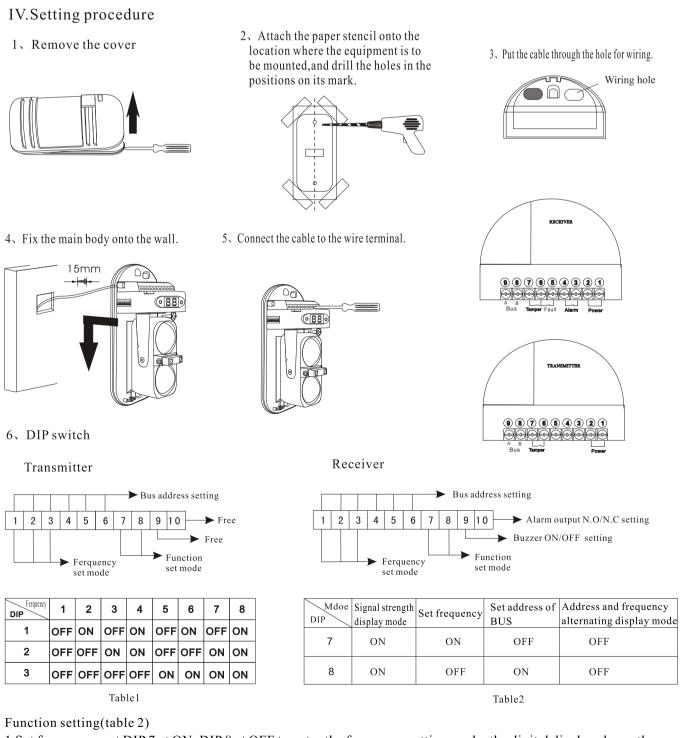
1.Under bus connection mode: The digital display of RX synchronize with the TX after the RX receive the signal from bus.

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.

3.It works as a smoke detector, When detects signal strengthslowly decrease to 0.8 then it will activate the alarm server or control unit

4.Especially used in high roof buildings like exhibition Halls, Indoor Stadium, High roof factories, Museums, Restricted Area's etc.,





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.

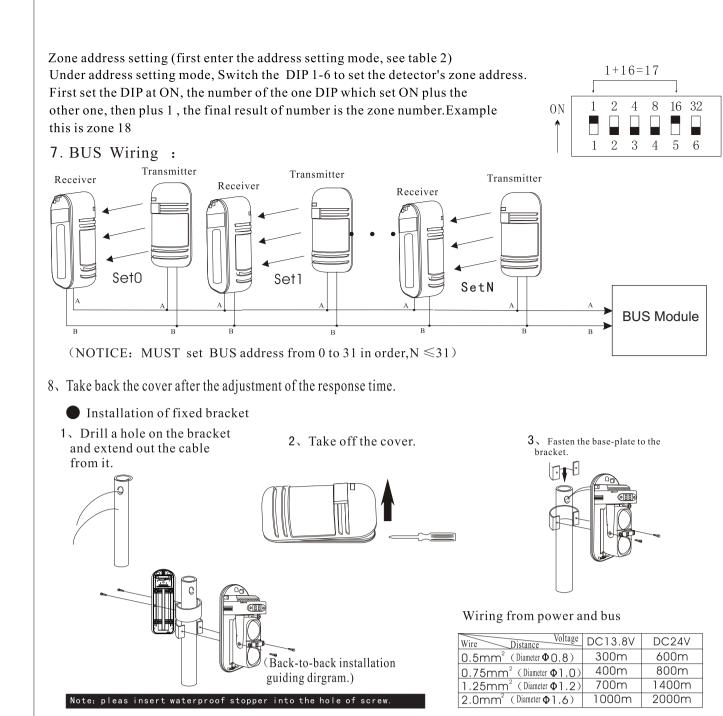
2.Set address of BUS: set DIP 7 at off, DIP 8 at ON to enter address setting mode. The digital display shows the address number, set the address on DIP 1,2,3,4,5,6

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),

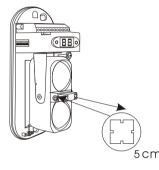
Then set DIP 1,2,3 to set the detector's frequency.(see table 1)



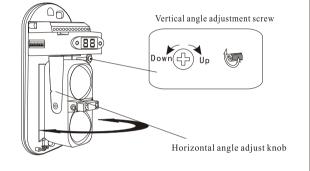
V. Beam alignment

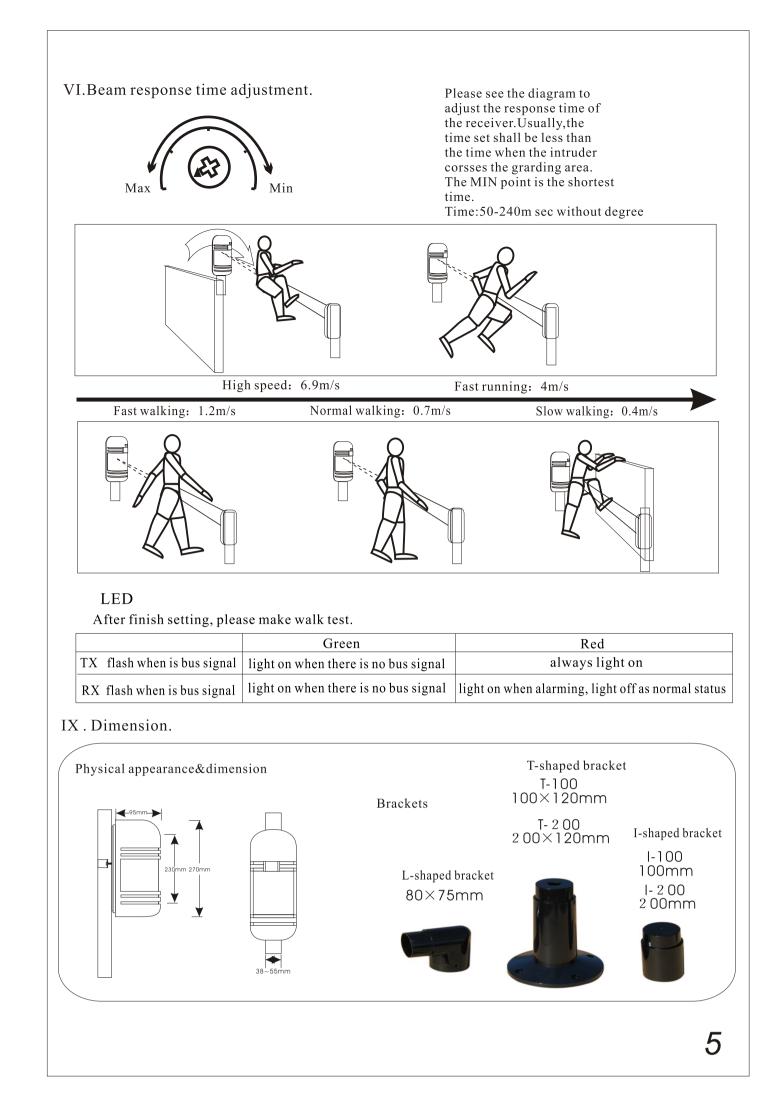
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1. Observe the collimation effect at a distance of 5cm from theviewfinder. Adjust the upper/lower angle regulation screw and horizontal adjustment wheel in order that the image of opposite detector falls into the central part of the viewing hole.



2. Vertical and horizontal adjust as below picture showed to get a best signal strength, if signal strength is less than 1.8, please adjust again to get a better signal strength.





ONEBEE TECHNOGOLY PRIVATE LIMITED