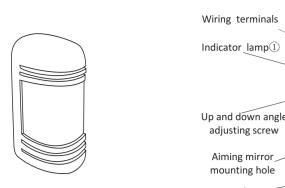
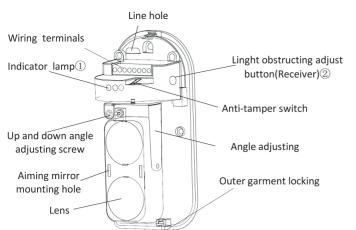
cablematic Part name 1 Indicator Lamp



Outer garment



The body

$\| \otimes \| \otimes \| \otimes \| \otimes \|$ POWER Receiver Transmitter

●LEVEL :Indicator lamp (Green) The brightness will be changed The lamp will be according to the different precision of the light shaft ALARM: The light will be on when alarming

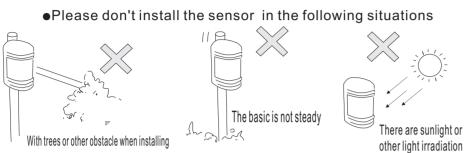
2 Use it when set light obstructing time

ACTIVE INFRARED DETECTOR Usage manual

Double beam -20 Double beam -30 Double beam -60

Double beam -80 Double beam -100 Double beam -150

Attention



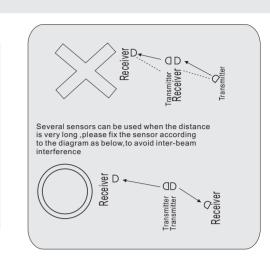
2. Take down the

outer garment

■The fix heigh	nt and the alar	m distance	
Model	Alarm distance	Light angle]
20	20m	0.8m	
30	30m	0.9m	
60	60m	1.8m	THE STATE OF THE S
80	80m	2.4m	
100	100m	3.0m	Alarm distance
150	150m	3.6m	1. Oiii 1. Addition of the control

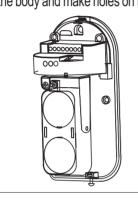
• Refer to the following mounting picture of beam detector without iron plate

 Light adjusting scope Vertical direction 20 $(\pm 10^{\circ})$ Horizontal direction 180° The light shaft can be adjusted by $\pm 90^{\circ}$ in the horizontal direction and by $\pm \, 10^\circ\,$ in the vertical direction





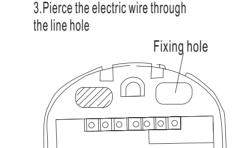
 Wall fixing way 2. Fix the body and make holes on the wall



Basic board

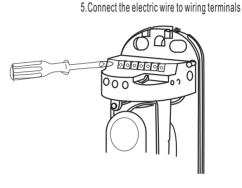
3. Fix the basic board on the trestle

Fixing circle

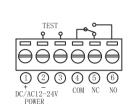




Fixing circle



(1) (2)



With anti-tamper switch wire connection diagram

Without anti-tamper switch wire connection



(1) (2) (3) (4) (5) (6) (7) (8)

6. Fix the outer garment after finishing adjusting the light shaft obstructing time

The line distributing distance from detector to signal receiving instrument

DC12V	DC24V
300m	600m
400m	800m
700m	1400m
1000m	2000m
	300m 400m 700m

Adjust the lights

1. Take down the outer garment

1.Disassemble the screw and take

down the outer garment

pierce the line through it

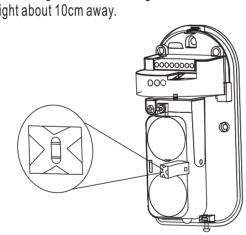
Outer diameter of the trestle

The way to fix the steady trestle

1. Make holes in the trestle and

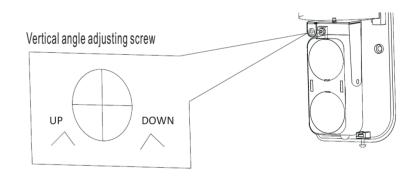
and input power

2. First put aiming mirror in mounting hole, then check the effect from the mirror on the right about 10cm away.



3. Adjust the up and down angle adjusting screw and horizontal adjusting rack, make the opposite detector image into middle of the aiming mirror. Meanwhile light axis)

The brighter of Green LED, the higher precision of the light shaft aiming

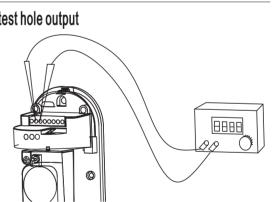


The best light adjusting way-measurement test hole output

1. Plug the test pen into the test hole

2. First adjust horizontal angle, until reach the maximum output voltage of the test hole, then adjust vertical direction, the way is the same with horizontal angle.

3.If can't get the voltage of 3.8V or higher, then need to adjust the transmitter and receiver again.



Adjust the time of obstructing light

The obstructing time of receiver can be adjusted according to the picture. Generally setting time should be a little less than the invading time.



Adjust the light obstructing time











After fixing the detector, the walking test should be taken. Please process motion confirmation according to the chart.

		Condition	Display		
	Transmitter	Working state	Green LED light on		
	Receiver	Alert state	LEVEL light on		
		Alarm state	Red Alarm light on		

Check the unusual condition

Trouble	Reason	Countermeasure		
The transmitter indicating lamp is not bright	Unsuitable power voltage (break or short circuit)	Check the power line		
The receiver indicating lamp is not bright	Unsuitable power voltage (break or short circuit)	Check the power line		
The receiver alarm indicating lamp is not bright when beams interrupted	1.Reflected or other transmitter light enter into receiver 2.Two beams of light are not interrupted at the same time 3.Interrupting time is too short	1.Remove reflected object or change light axis direction 2.Interrupt two beams of light at the same time 3.Extend the covering time		
After interrupting light, alarm indicator lamp of receiver is bright, but no output of alarm signal	The line is break or short circuit The line point is insensitive	Check line and line point		
The alarm indicator lamp is always bright	1.The light axis is misaligned 2.There are obstacle between transmitter and receiver 3.The outer garment is polluted	1.Adjust the light axis again 2.Get rid of obstacle 3.Clean the outer garment		
There are output of alarm signal off and on	1. The line is not good 2. The power voltage is changeable 3. There are moving obstacle between transmitter and receiver 4. Installation base is not stable 5. Light axis coincidence precision is insufficient 6. Other moving object interrupt the light	1.Check the line 2.Check the power 3.Get rid of obstacle or change the installation site 4.Choose well-grounded site 5.Adjust light axis again 6.Adjust obstructing light time or change installation site		

echnology parameter

	0.	•					
Model	ABT-20	ABT-30	ABT-60	ABT-80	ABT-100	ABT-150	
Outdoor alert distance	20m	30m	60m	80m	100m	150m	
Indoor alert distance	60m	90m	180m	240m	300m	450m	
Beam	Beam 2						
Induction speed	50-700ms	50-700ms					
Alarm output	NC& NO;	NC& NO; Contact rating: AC/DC 30V/0.5Amax					
Working voltage	DC12-24V	DC12-24V					
Working current	40mA	40mA	55mA	65mA	65mA	65mA	
Long-life mode	20mA	20mA	30mA	35mA	35mA	35mA	
Humidity	5%-95%	5%-95% (RH) NC; Contact rating: AC/DC 24V/0.5Amax(Anti-tamper function optional)					
Tamper output							
Horizontal angle adjustment	180° ± 90°	180° ± 90°					
Vertical angle adjustment	± 10°						
Case material	PC						
Mounting iron plate	Optional						
Dimensions	mensions 171*82*80mm						

The size of outer shape

