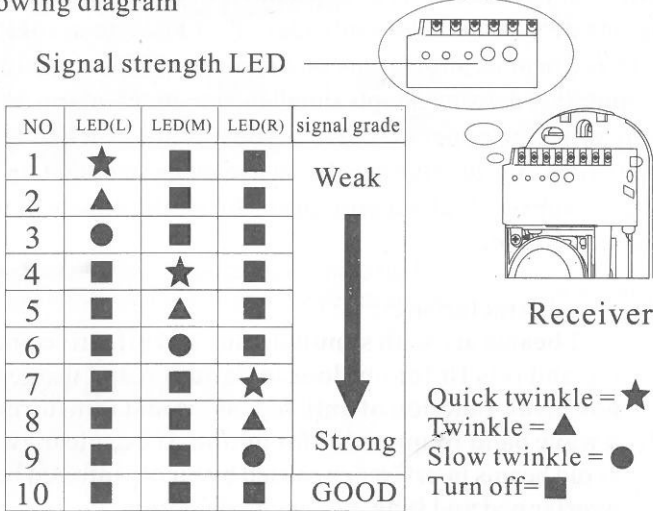


3 red LEDs for signal strength indication can be organized to 10 signal grades, for specific details, please refer to the following diagram

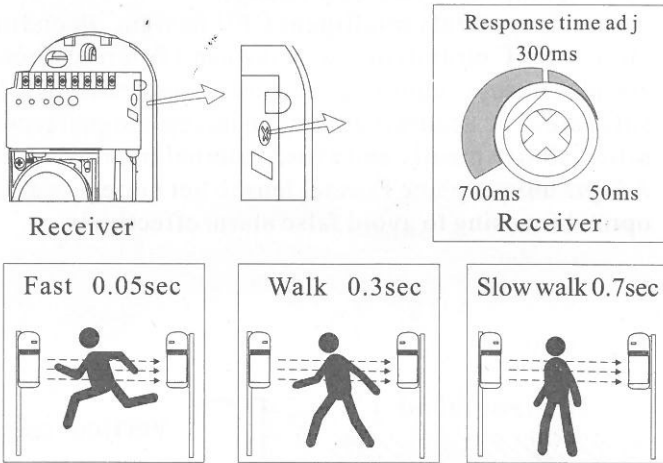


Note: when detector is installed outdoor, in order to get the best adjustment accuracy of beams, please do confirm that 3 signal strength LEDs turn off.

Specifications & Dimensions

Model	SEB-50	SEB-100	SEB-150	SEB-200	SEB-250
Range (outdoor)	50m	100m	150m	200m	250m
Infrared beam	Three modulation pulsed beams IR LED				
Lens system	Fresnel Lens				
Beam channel	8 Channel select				
Response time	50-700ms				
Supply voltage	DC11-28V				
Current	Tx 23mA Rx 15mA	Tx 34mA Rx 15mA	Tx 45mA		
Alarm time	2 secretary				
LED	Tx: green Rx: Alarm:red signal good:red(green)				
Alarm Tamper Output	NO & NC 1A/120VAC 2A/24VDC				
Beam adjustment	Horizontal:180° (±90°) Vertical:20° (±10°)				
Mounting position	Outdoor/indoor				
Temperature	-25°C/+55°C				
Weight	1100g				
Material	Cover:PC resin Base:ABS resin				

Response time adjustment

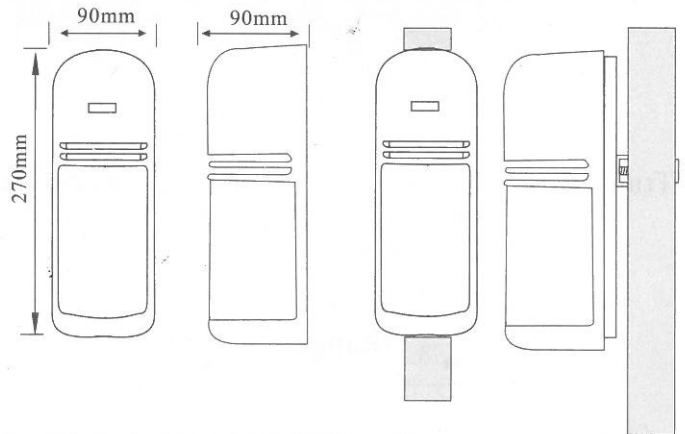


Note: during installation, (response time) test should be performed on the installation place in order to get the very fit (response time) for the purpose of detection and protection.

Movement confirmation

After setting, walking test must be performed. Please confirm the action as following diagram

	Status	Display
Transmitter	Working	Power LED ON
Receiver	In detection	All LEDs turn off
	In alarm	Alarm LED ON



Methods to clear trouble

Troubles	Possible reasons	Solution
Power supply indicator doesn't light (transmitter)	1.No power supply 2.Poor contact in wire connection, short circuit or circuit is damaged	1.Connect it with proper power supply 2.check the circuit
When three infrared beams are blocked, alarm indicator doesn't light (receiver)	1.No power supply 2.Poor contact in wire connection, short circuit or circuit is damaged 3.infrared light transmitted to other object and gives reflection to the receiver 4.3 beams are not blocked simultaneously 5.beams blocking speed is shorter than the set response time	1.Connect it with proper power supply 2.check the circuit 3.Remove the reflection object or change the beams transmission direction 4.Block the 3 beams simultaneously 5.Reset the response time
Alarm LED keep lighting (receiver)	1.Beam adjustment not accurate 2.there are some obstructs between the transmitter and receiver 3.There are some feculences on the lens or cover 4.Poor setting in digital frequency	1.check the beams and make relevant adjustment 2.remove the obstructs between the Tx and Rx 3.clean the lens and cover 4.Reset the frequencies on transmitter and receiver
Intermittent alarm	1.Poor circuit connection 2.Unstable power supply 3.There are some obstructs between the transmitter and receiver 4.Transmitter or receiver is too close to other power supply equipments and Gets strong electromagnetic wave interference 5.Transmitter or receiver are installed in a improper situation 6.transmitter or receiver is covered with some feculences 7.Improper adjustment (such as poor focusing adjustment 8.There are small animals run across the 3 beams	1.connect with proper power supply 2.Supplied with stable voltage 3.remove the obstruct 4.Change installation place, keep it away from interferential sources 5.Re-find a proper installation place 6.Clean the lens or cover with soft cloth 7.Re-check and adjust it 8.Reset the response time to be longer or adjust its installation height to avoid small animals