MAXIMUM SECURITY

Slim Barrier detector

Description:

The transmitter (TX) sends an infrared beam to the receiver (RX),
as soon as the beam has been broken
a detection accurse. The barrier allows perimeter protection suitable for a variety of places.

- Dual active infrared beams
- Waterproof
- Slim design, 17.3mm width
- 32mm length

MODEL

Type	Distance
Dual-beam-2	Up to a 2-meter effective range
Dual-beam-5	Up to a 5-meter effective range
Dual-beam-10	Up to a 10-meter effective range
Dual-beam-20	Up to a 20-meter effective range
Dual-beam-30	Up to a 30-meter effective range

Features:

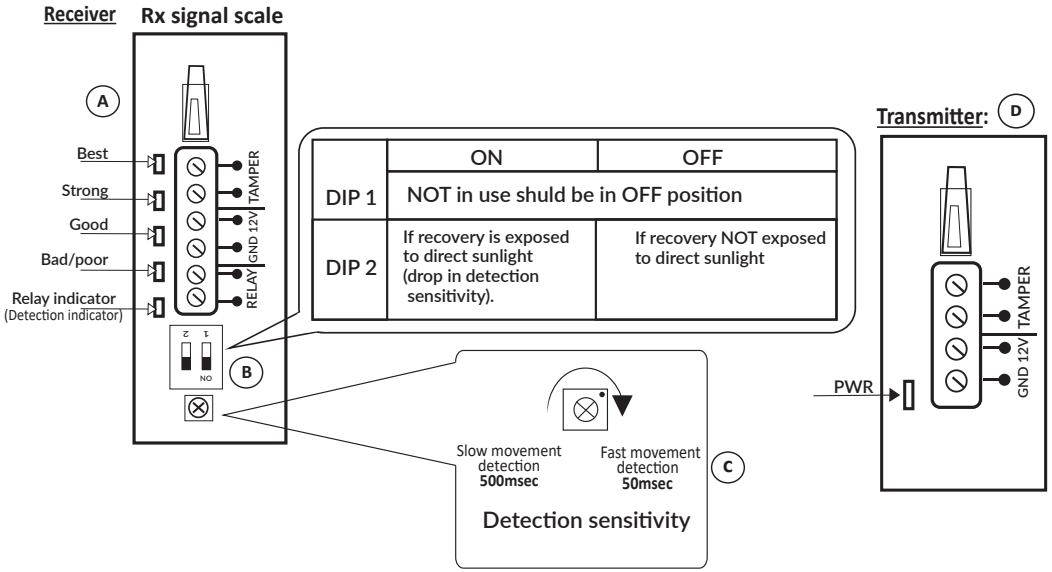
- Beams sensitivity adjustment
- Precise alignment by a built-in signal scale from low to high
- Tamper switch for Detection of an attempt to open or remove the device from the wall
- Design that prevents water penetration
- Excellent lighting immunity

Specifications:

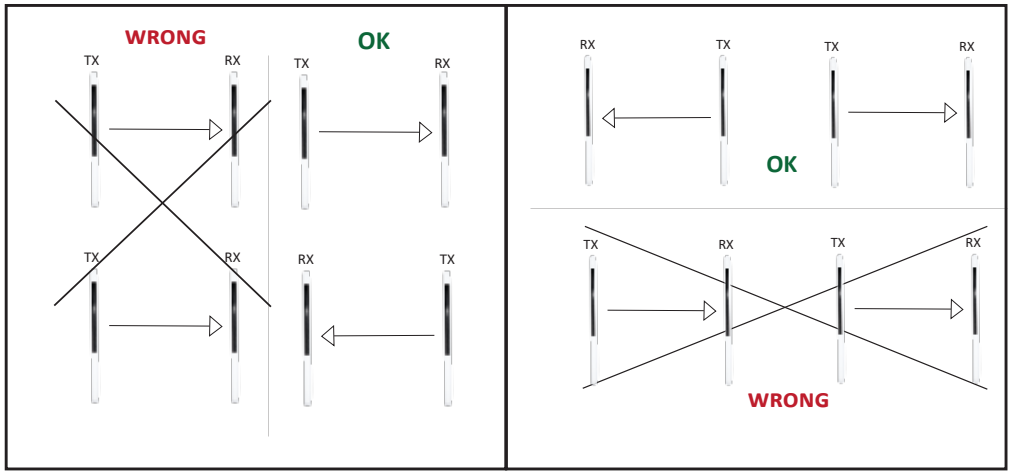
- Power supply..... 12-14V DC
- Current drain..... Standby: 50 mA /Maximum: 200 mA
- Alarm relay contacts capacity..... 15V DC / 20 mA
- TAMPER Switch endurance..... 15V DC / 20 mA
- Minimum Alarm relay period..... 2 Seconds
- Operating Temperature..... (-)20 ~ (+)60°C

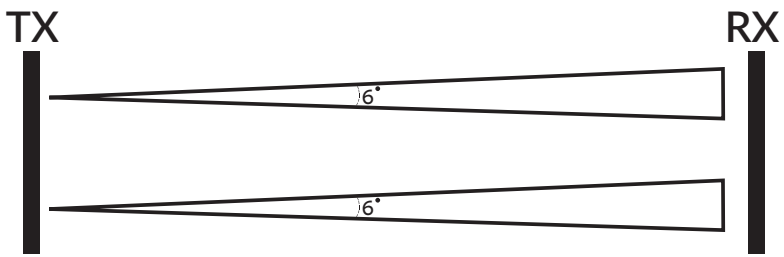
WIRED

Installation



	ON	OFF
DIP 1	NOT in use shuld be in OFF position	
DIP 2	If recovery is exposed to direct sunlight (drop in detection sensitivity).	If recovery NOT exposed to direct sunlight





Description of electronics boards:

1. For the best quality alignment of the detector refer to the signal scale on the receiver to achieve the best signal strength so the beams can work at the optimal capability, The higher the beam strength the better alignment.

2. The led will operate for about 30 minutes from the time the power supply is connected, or from the time of switching any DIP switch to a different position.

3. For proper functioning trying to achieve at least “Good reception” (yellow LED, numbered 2) is desirable.

4. By turning the rotary dial (sketch C) on the front of the internal units, it is possible to set the minimum time needed to cut the beam for the alarm to be activated, adjust the speed of beam crossing according to environmental conditions and proceed with a “walking test”, the beam-cut duration adjustment ranges from 50msec to 500msec.

5. To detect high-speed beam crossing, adjust to a low value. To detect low-speed beam crossing, adjust to a high value.

6. Please pay attention! A very high sensitivity (↷ 50msec) may increase the risk of false alarms, while very low sensitivity (↶ 500msec) settings will result in detecting only very slow movement.

7. Whenever it is necessary to install several detectors together, it should be borne in mind that transmitters and receivers must be appropriately located (sketch E) keep in mind that the transmitter-receiver must be correctly placed.

FOR OPTIMAL INSTALLATION
install in a niche
Avoid direct sunlight
Avoid installation close to the mirror

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