

INFRARED GATE BEAM SENSOR MANUAL

The wireless INFRA-RED BEAM is a transmitter-receiver pair that provides an invisible infra-red beam for automation applications such as sliding and swing gates, as well as garage doors and security applications such as perimeter beams either outdoors or indoors. When the battery power is low, red LED of transmitter and receiver will flash every 3 seconds, and buzzer of receiver will beep every 3 seconds to remind users to replace battery in time.



SPECIFICATIONS:

Receiver:

Power Source: DC/AC 12-36V
Detecting distance: 15m
Alarm time: 3s, 5s, 10s adjustable
Alarm output: relay output NC/NO
Product size: 136×54×32mm

Transmitter

Power source: 3V(2×AA Alkaline batteries)

Working current: < 90uA
Product size: 136×54×32mm

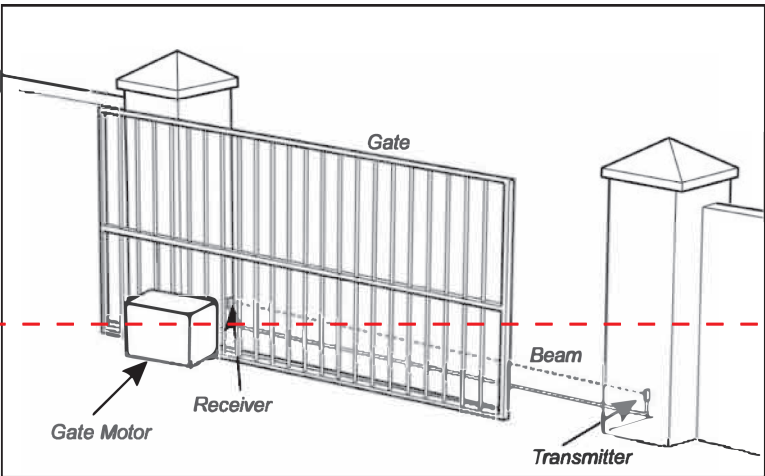
INSTALLATION TIPS

- Any hole made in the base, for purposes of cable entry, MUST be sealed with silicone rubber otherwise moisture will enter the product and lead to malfunction and/or failure.

- Mount the IR beams with the lenses facing upwards, facing each other on opposite sides of the gate, door or perimeter to be protected.

- Replace old batteries with a new good quality battery for prolonged operation on the transmitter

INSTALLATION



The above drawing shows a standard application of the infrared gate beam sensor used for automatic gate. The transmitter and receiver are mounted at a distance of 30cm above the ground, and they are on the same horizontal line.

To align the beams

After the transmitter and receiver align well, receiver red LED light will on, blue LED light will flash at the same time buzzer will make sound like di di di, then the blue LED light on.

Switch adjustment instructions

For example the alarm time set to 5 seconds: switch 2 in the ON position, when someone, car or other object block the infrared beam, the gate beam sensor will output signal for 5 seconds.

Switch 1 ON: 3s

Switch 2 ON: 5s

Switch 3 ON: 10s

Switch 4 ON: The buzzer will sound when alarm

Switch 5 ON: Installation mode, buzzer will sound regular di di di di when the beam is aligned well