TARGET
TECHNOLOGY

INSTRUCTION MANUAL

SOLAR BEAM ALERT KIT

SBB-4K-PLUS-ANZ | SBB-4000-ANZ

ROAD

Beam Sensors

Up to 100 m between
Beam Sensors

FENCELINE

Wireless signal to Receiver (in house etc)

DRIVEWAY

Alert Receiver Plus
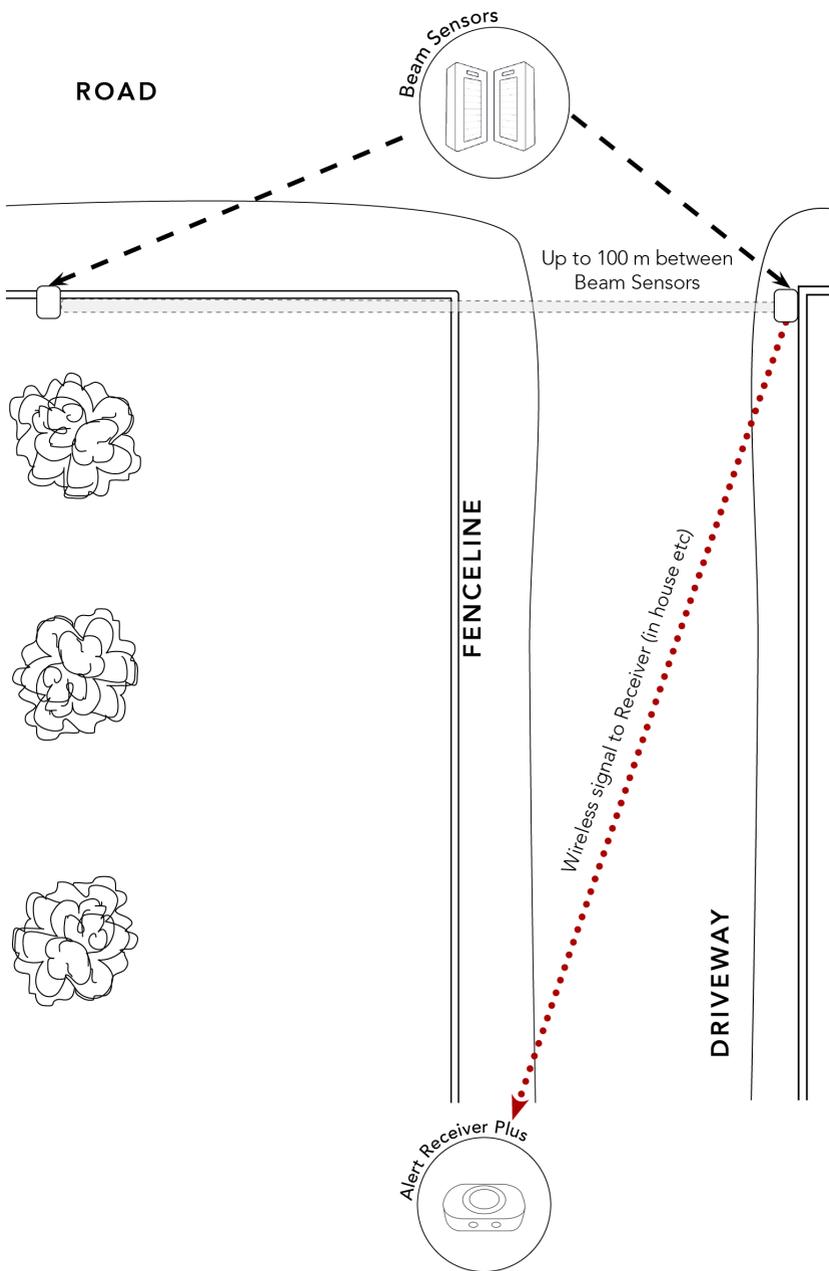
HOW IT WORKS

The Beam Sensors are set up on opposite ends of the driveway / access way that you want to monitor.

There are two Beam Sensors in the kit, these can be mounted up to 100m apart on solid posts.

There are two (invisible) beams that are transmitted between the Beam Sensors. Anything that interrupts the beams will cause a signal to be sent to the Receiver, which plays a tone to alert you – so is usually set up in your house, shed, office etc.

The kit has a range of up to 1.6 km from the Beam Sensors to the Receiver.

CONFIGURING THE TWO SENSORS

Configure the Beam Sensors before you mount them at their permanent location.

1. Place your two Beam Sensors (Sensor A and Sensor B) on a flat surface, 20cm apart, with the three lenses pointing towards each other.
2. Sensor B - press and release the **POWER** button, the LED will start to flash red.
3. Sensor A - press and release the **POWER** button, the LED will start to flash (green or red).
4. Sensor A - when the LED stops flashing, the pairing is complete (about 30 seconds).
5. Test the configuration by intercepting the two beams - use a book, or move the beams so they're not aligned. The LED on Sensor A will flash for 2 seconds when the beams are interrupted.

SENSORS TO RECEIVER

Be careful not to activate your Beam Sensors until you have configured your Receiver and selected a tune.

Configuring Beam Sensors to Receiver

1. On the Receiver, press and hold the *MODE* button for 3 seconds until the lights on the top of the Receiver flash.

2. There are 16 different tunes to select from. Press the volume button until you have selected your preferred tune.

3. Sensor A - press and release the *POWER* button. This will send a signal to the Receiver for connection. A short beep will sound on the Receiver to confirm the configuration.

4. Once configured, hold the *MODE* button on the Receiver until the lights stop flashing.

5. To test the Kit, interrupt the Beam Sensors which should sound on your Receiver.

Configuring more than one Sensor to Receiver

Repeat the process above, selecting a different tune for each Sensor to help you differentiate which Sensor has been activated.

Configuring more than one Receiver to Sensor

Repeat the process above for each additional Receiver or Pager.

INSTALLATION.

INSTALLING BEAM SENSORS

- **Ensure you have already configured your Beam Sensors and Receiver (see page 4).**
- **Beam Sensors can be mounted up to 100 m apart.**
- **The Beam Sensors need to be secured to a post or tree. Steel posts may interfere with the signal. Make sure the post you fix your Sensor to is sturdy.**
- **The recommended mounting height is 90cm above the ground - this will help prevent false alerts from small animals.**

Installation to Posts / Pipes

Use the screws to mount the brackets to your designated posts, or use the pipe adapter to mount to a pipe.

1. When mounting your Beam Sensors, ensure that the level is at the top of each Sensor.
2. Ensure both Sensor A and Sensor B are powered on, and the rubber plug is inserted in the Power hole.
3. Use the small screws and split ring lock washers to mount Sensor A and Sensor B to the C brackets.
4. Align Sensor A and Sensor B so that the lenses are pointing at each other.
5. If the Beam Sensors are correctly paired, you will get a signal on the Receiver when you walk between the Beam Sensors.

Troubleshooting

If you get a reoccurring signal on your Receiver (every 20 seconds or 5 minutes, depending on your settings), this is the reminder signal that the Beam Sensors are not aligned. Slightly reposition the Beam Sensors until the reminder stops, and the Beam Sensors are activated correctly when you walk between them.

ADJUSTMENTS.

RECHARCHING BEAM SENSORS

The Beam Sensors will automatically charge outdoors with the built-in solar panels. If the Sensors are used in an interior location with no light, they can be manually charged.

Manually Charge your Beam Sensors

1. Remove the rubber plug from the power button.
2. Locate the USB Micro charging port and connect a USB Micro charger.

NOTE: You can leave the charger connected indefinitely or you can fully charge the beams periodically.

When the beams are fully charged the built-in batteries will usually hold a charge for about a month with sunlight, depending on activations.

DISCONNECTING SENSORS

Removing Sensor Connections

- You can reset your Receiver to remove all the Sensors that are connected to it.

- Press and hold the *MODE* button until the lights flash.

- Press and hold the *MODE* and *SOUND* buttons together for five seconds. The lights will flash quickly then turn off. The Receiver has now disconnected all Sensors configured to it.

- To reconfigure Sensors, see page 4.

CONNECTING ACCESSORIES

If you have purchased the Alert Receiver Plus you are able to connect additional accessories such as Sirens or Lights to your kit.

Instructions on how to connect these accessories are available on our website.

ADJUSTING REMINDER SIGNALS

When the Beam Sensors are continuously interrupted, Sensor A will send a reminder signal to the Receiver. The system default is set for every 20 seconds.

To change the reminder duration

- **5 minutes -** to set the reminder duration to 5 minutes, press and hold the *POWER* button of Sensor A for 5 seconds then release. The LED will start flashing red.

- **20 seconds** - to set the reminder duration back to 20 seconds, press and hold the *POWER* button of Sensor A for 5 seconds then release. The LED will start flashing green.

After you have finished pairing, coding and setting the reminder time, insert the rubber plugs into the holes near the power button on both Beam Sensors to ensure that water does not enter the beams during outdoor use.

HELP.

HAVING TROUBLE?

If you're having trouble with the installation of your kit, or have questions on how best to configure your kit, check out the Frequently Asked Questions on our website.

www.bealert.co.nz/FAQ

TARGET

TECHNOLOGY

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