WIRELESS SHOCK SENSOR

N517

RhinoCo Part # WSR

Instructions

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INTRODUCTION

The Wireless Shock Sensor can be used in a wide range of applications. You may use it on exterior items as well as interior windows or doors. The unit can transmit up to 80 metres (line of sight), is water resistant and weather proof. It can be used with any one of the RhinoCo, range of receivers. The unit operates off two, button cell Lithium batteries.

DO NOT TOUCH THE PEIZO PLATE UNDER ANY CIRCUMSTANCE.

Powering the detector

IMPORTANT!

1. Remove the top lid by removing the four screws first.
2. Remove the plastic piece from under one of the battery terminals.
3. Place the top lid and screw down again.

The unit is now powered.

INSTALLATION

Mounting

To mount the plastic box, it is as easy as removing the protective paper strip from the double sided tape on the rear of the WSR box. Once the strip is removed then you will be able to push the box onto a flat clean surface and it will stick.

There is also 2 self tapping screws provided for screwing the module to a hard surface (if required). These screws can be used in conjunction with the double sided tape.

The WSR box must be mounted higher than 1 metre above the ground.

Finally, ensure the module is fixed securely to the surface to which it is mounted.

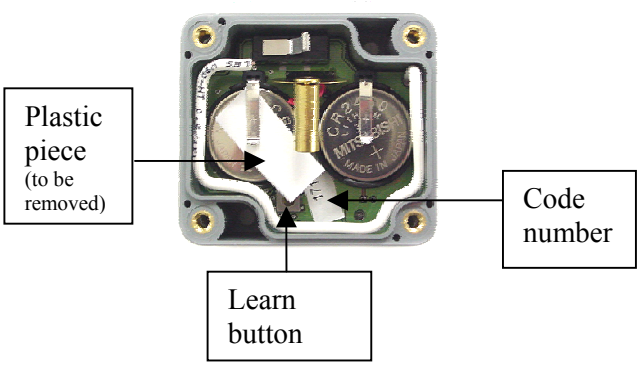
Setting Shock Sensitivity

The unit will keep the learnt shock level if power is removed. Follow the steps below to set a new shock sensitivity level.

1. With the cover off so you have access to circuit board, press the learn button (small push button next to the batteries).
2. Within 12 seconds, hit the object that the shock sensor is protecting and is attached to. This hit should be use the appropriate level of shock that you wish the shock sensor to be activated. Keep in mind that if you make it to sensitive the sensor will "false alarm".
3. Test the sensitivity by making sure the indicator light turns on when you hit the protected object.

NOTE

If the shock level is that is learnt is to small or to large, the unit will set itself to a default sensitivity level (75% of the maximum possible sensitivity). The unit must be properly tested to prevent false alarming (see Testing).



Setting Default Shock Sensitivity

If no shock is recorded within 12 seconds of pressing the learn shock button then the unit will return itself to default level (75% of the maximum possible sensitivity). The unit will keep the learnt shock level if power is removed.

OPERATION

Shock sensor

Inside the unit is a shock sensing piezo plate. This is to sense the vibrations of the object, which the unit is attached to. This may be a fence, gate or window etc… When a shock is sensed then the unit will transmit a trigger signal. At this time the indicator light inside the box will also turn on to indicated the transmission. The box should not be dropped on a hard floor or cement, as this will damage the piezo plate.

Maintenance

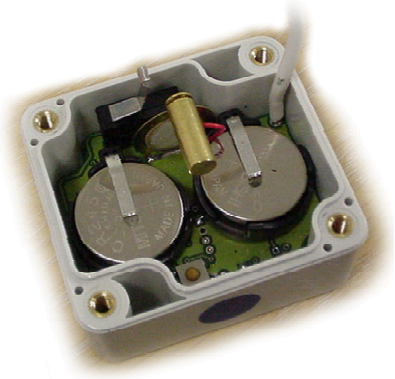
Replacing the Batteries

The batteries may be replaced by removing the screws from the top then removing the lid. All care must be taken to keep your fingers from damaging the shock sensor plate while removing the batteries.

Before removing the batteries you must bend the antenna upward so that you have access to the batteries (see picture below).

Be sure that you place/bend the antenna back into its original position.

Battery Type	2 x Lithium button cells
Model	CR2450
Voltage	3 Volts



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The RhinoCo Team

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