

APPROVALS

This device complies with part 15 FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CE directive 93/68/EEC, EMC directive 89/336/EEC, LV directive 73/23/EEC.
This class B digital apparatus complies with Canadian ICES-003.

WARRANTY

This product has a twelve month manufacturers parts and labour warranty. In the unlikely event that you encounter a problem with this product, please telephone the Voltek helpline on 09066 191 133*. Should the problem not be able to be resolved over the telephone it should be returned to the place of purchase or direct to Voltek.

The user is cautioned that changes and modifications made to the equipment without the approval of the manufacturer could void the products warranty.



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*Helpline calls cost 60p/minute. Open 9am to 5pm, Mon to Fri.
Voltek reserves the right to change any product or specification without notice (c) 2005 Issue1

INSTALLATION & USER INSTRUCTIONS

Wireless Door/Window CONTACT SENSOR

- Rapid Deployment Intruder Detection System

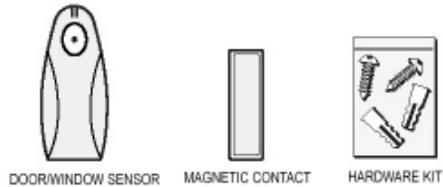


GS030 User's Guide

PRODUCT DESCRIPTION

The VOLTEK 'Guardsman GS030 Door/Window Contact Sensor' allows for convenient placement. Using a magnetic force field created between the sensor and a magnetic contact you can secure household doors, office doors, file cabinets or windows.

PACKAGE CONTENTS



Wireless Door/Window Contact Sensor with Batteries.
Screw pack.
Installation instructions.

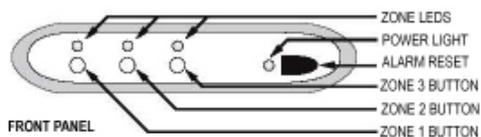
ALARM UNIT

Every Guardsman System has 3 zones that can be armed independently from each other. In addition, you can have up to 3 Motion or Contact Sensors per zone, for a total of 9 Sensors. If motion is detected in a particular zone, such as the garden zone, downstairs zone, or pool area zone, the Receiver Base will sound an alarm and the LED on the Receiver Base for that particular zone will blink red.

The advantage to having upto 3 Sensors in one zone such as the garden or pool area, is that you can cover a much larger area using several sensors than you could with just one.

Each zone can independantly be turned 'OFF', set to 'Alert Mode' in which it will only give a chime tone, or set to sound a full and continuous tone in the 'Alarm Mode'. When set in 'Alarm Mode' the LED for the zone that detects motion will flash red. This alarm then continues for 30 seconds unless the alarm reset button is pressed. You can alternate between settings by pressing the button under each zone LED.

- **NO LIGHT:** Zone is off
- **LED IS GREEN:** Alert mode
- **YELLOW:** Alarm mode



NOTES..

FAQ's

HOW FAR AWAY CAN THE SENSORS BE FROM THE RECEIVER BASE?

Typically 18 metres.

CAN I PLACE THE SENSOR IN A DIFFERENT ROOM FROM THE RECEIVER?

Yes, the sensor uses radio frequencies to communicate with the Receiver Base. These frequencies can go through objects like walls ceilings, and floors.

HOW LONG WILL THE CONTACT SENSOR BATTERY LAST?

The battery is expected to last up to 12 months. This will depend on actual use and how often the sensor is triggered. The Voltek Door/Window Contact Sensor includes battery saving features that make the Sensor "hibernate" when there is no activity. It 'wakes - up' when the Sensor is triggered.

HOW MANY SENSORS CAN I REGISTER WITH THE RECEIVER BASE?

The receiver base can support up to 9 Sensors (3 per zone).

THE LIGHT ON THE SENSOR IS NOT ON?

This indicates that the sensor has gone into hibernation mode. It will wake up when the sensor is triggered.

TECHNICAL SPECS

Attaches to any flat surface.
Operates on 3 - AAA Alkaline batteries.
LED indicator when sensor is triggered.
Magnetic contacts.

Typical range Outdoors:	75 metres
Typical range Indoors:	18 metres
Transmitter:	433 Mhz @ FCC approved power limit

ADDING A CONTACT SENSOR TO A ZONE

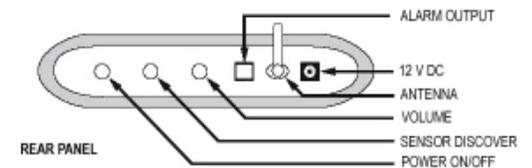
1. Press the 'SENSOR DISCOVERY' button found on the rear panel of the Receiver Base. The Power Light on the front panel of the Receiver Base will begin flashing. This indicates the unit is waiting for a sensor to register itself.
2. Pull the battery tab from the slot to activate the batteries, The Door/Window Sensor's light will blink several times to indicate that it is functioning properly. When this occurs the Power Light on the Receiver Base will stop flashing, and all of the LED's for the 3 zones will light up. (Note: only power one Sensor at a time)
3. Choose which zone you would like to register the sensor to and then simply push the button under that LED. The Door/Window contact sensor is now registered to that zone.

Once a Door/Window Contact Sensor is registered with a particular zone, even if the Contact Sensor loses power for a prolonged period of time, the Receiver Base will still recognize the Contact Sensor when power is restored.

NOTE: It is important to power only one new Sensor at a time since as soon as you power it up the Receiver Base, if in discovery mode, will recognize the sensor. To facilitate set up, you should power up one sensor, assign it to a group, and then repeat the process for the other sensors.

CLEARING A ZONES MEMORY

Press and hold the 'Sensor Discovery' button on the rear panel, after 2 seconds the unit will beep, then release the button for the zone that you would like to clear. To clear all zones, repeat the above for each zone.



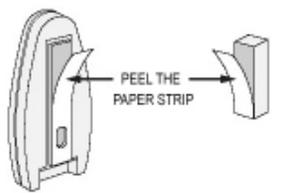
NOTE: The Alarm Output provides a relay output which gives a momentary closed signal when the receiver has a zone in the 'Alarm mode' and an intrusion is detected.

CONTACT SENSOR MOUNTING

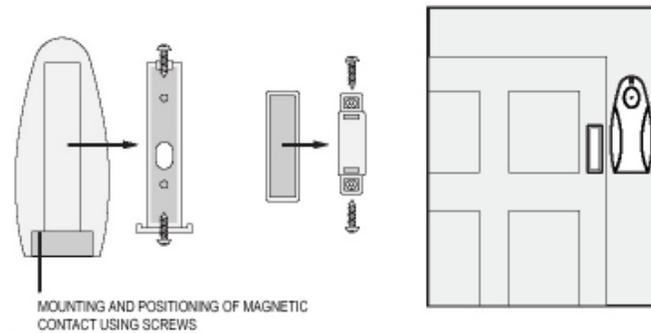
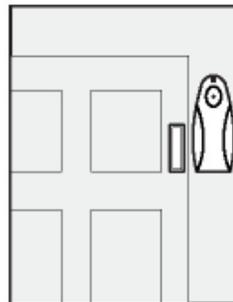
The Guardsman Door/Window Contact Sensors are constructed with UV resistant ABS plastic allowing for indoor or outdoor use. The Sensor works by creating a magnetic field between the Sensor base and the magnetic contact. When there is a change in status, either opening or closing, the Sensor will trigger an event to the Receiver. The spacing between the Sensor base and the contact should be between 0.25 - 1.25cm.

NOTE: The Door/Window Contact Sensors can not be used on metal doors, metal door frames or metal objects.

1. Peel the paper strip from the double-sided tape located on the back of the sensor. You can also mount the sensor more securely using the screws in the hardware kit. Remove the strip on the back of the Sensor and drill two small holes for the screws. Affix the screws to one side of the object (typically the "stationary" side) leaving 1.5mm space between the screw head and snap the Sensor into place.
2. The magnetic contact should now be placed on the other side of the object (typically the side that moves).
3. Either peel the paper strip from the double sided tape located on the back of the contact or you can more securely attach it using screws in the hardware kit. Remove the cover from the contact and insert the screws through the holes on the top and bottom of the contact.
4. Make sure the magnetic contact aligns with the bottom of the Sensor Base on either the left or right sides of the base.



MOUNTING AND POSITIONING OF MAGNETIC CONTACT USING DOUBLE SIDED TAPE



MOUNTING AND POSITIONING OF MAGNETIC CONTACT USING SCREWS

HELPFUL HINTS

The Guardsman Door/Window Contact Sensor is suitable for indoor and outdoor use. Please bear in mind the following points when choosing a mounting position:

- The Door/Window Contact Sensor can not be mounted on metal doors, metal door frames or metal objects.
- Be sure to use 3-"AAA" alkaline batteries from a reliable manufacturer.

TROUBLE SHOOTING

SYMPTON

The Receiver Base does not recognize the Sensor during discovery.

The LED in the Motion Sensor does not light up.

Events are not triggered.

REMEDIES

1. Ensure sensor has correct power.
 2. Position the Sensor in closer proximity to the receiver and try again.
 3. Check to make sure there is no other wireless devices interfering with the Sensor. The Sensor transmits on the 433 MHz frequency.
1. Be sure the battery is properly inserted with the correct polarity.
 2. Be sure you are using fresh or fully charged alkaline batteries.
1. Check to make sure that the sensor has been registered properly with the receiver.
 2. Check to make sure the spacing between the contact and the sensor is roughly 0.25-1.25 cm.
 3. Ensure that the sensor and contact are not placed on metal or magnetic objects.