

Protecting your Tomorrow RVsecure



Sensor Manual



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Introduction

Sensors

RVsecure offers a wide variety of sensors to enhance your security system. These sensors are included in our pre-configured kits or can be purchased separately as optional add-ons, allowing you to customise your setup according to your specific needs. Whether you're looking for comprehensive protection or just a few targeted features, our selection of sensors ensures you have the flexibility to create the perfect security solution for your application.

Pairing Sensors

Testing & Replacing Batteries on holder and base type sensors

General Sensors

1. Cable Loop Sensor
2. PIR Internal Sensor
3. Door Sensor (Reed Switch)
4. Emergency 'Panic' Button
5. PIN Switch & Sender

Specialty Marine Sensors

6. Shore Power Sensor
7. Water (Bilge Pump Fail) Sensor
8. Infra Red Beam Sensor

Pairing Sensors



On your PlatinumX enter the main menu and then B "+Snsr". Use 'B' to scroll to the appropriate sensor, then "A" to add. For the ProtectorX, just press "B" to add.



Activate sensor by pressing the button at the bottom. Both lights (Red and Blue) will come on and the alarm panel will beep when the signal is received. Other sensors are activated by other methods.



Press 'D' on the remote to exit the menu and save settings. Your sensor is now paired and ready to use.

Testing & Replacing the Batteries on holder and base type sensors



With the base in the holder press the pairing button (whilst system disarmed), both LED's should 'glow'. If dim or not glowing it is time to replace the batteries. Remove the base from the holder and unscrew the two screws from the bottom of the base.



Slide the lower part of the base out with the board to allow access to the batteries. Replace with 2x AAA.

Reverse process to assemble. The devices are nano powered and should last 3 to 5 years before replacement is required.

Cable Loop Sensor

About: The Cable Loop Sensor is a device for alarming the items outside. Other sensors are prone to a lot of false alarms when placed in an uncontrolled (open) environment however the Cable Loop is very stable.

Simply run the cable through the items you wish to protect at the campsite or whilst traveling, pull the base through the loop and place in holder. If the base is removed from the holder or the cable is cut, the base sends a signal to your RVsecure Security System and the alarm is activated.



The Cable Loop Sensor is compatible with all RVsecure security systems.

Maintaining your Cable Loop

1. Ensure that your Cable Loop is mounted in its holder and kept clean
2. If stored, ensure that it is stored in an environment that will not allow damage to the loop or base.
3. Check the batteries monthly when you check all other sensors

PIR Internal Sensor

About: The PIR (Passive Infrared) Sensor is a compact but highly effective motion detector, designed to enhance the security of your RV by detecting movement within its range. Despite its small size, this sensor delivers powerful performance, offering reliable motion detection that helps safeguard your property against unauthorized entry or suspicious activity.



A PIR comes with both the ProtectorX and PlatinumX as standard equipment. Given its compact size it fits well into the RV environment and is quite unobtrusive.

Maintaining your PIR

1. Ensure that your PIR is kept free from excessive dust or insects
2. Check the batteries monthly when you check all other sensors

Turning on and Off

On the LHS the PIR has a small slide switch.

To turn OFF, slide into the UP position

To turn ON, slide into the DOWN position

Replacing the Batteries

If the batteries are flat or low (repetitive flashing) unclip the PIR from its holder and remove the back battery cover. Replace the two AAA batteries and reinstall cover.

Door Sensor

About: The Reed Switch is a versatile, easy-to-install wireless sensor designed to enhance the security and monitoring capabilities of your security system. Using magnetic technology, this reed switch detects the opening and closing of doors, hatches, or compartments. It works by placing a magnet on one side (such as on the door) and the reed switch on the other (like the door frame); when the two components separate, the switch triggers an alert or alarm signal.



A Reed Switch comes with both the ProtectorX and PlatinumX as standard equipment and is generally intended for use on the main door.

Maintaining your Reed Switch

1. Ensure that your PIR is kept free from excessive dust or insects
2. Check the batteries monthly when you check all other sensors

Mounting the Reed Switch

The reed switch has two parts, the main body and the magnet. Both have a small triangle on the side. When mounting ensure that the triangles are facing each other. Mount using the double sided tape (provided) or other method. Ensure that the magnet is close enough to the body to activate the reed when moved. (generally up to 25mm maximum).

Replacing the Batteries

If the batteries are flat or low (repetitive flashing) Slide the lower half of the body down to expose the battery. Replace the 12v 23A battery and reinstall cover.

Emergency 'Panic' Switch

About: The panic switch provides immediate access to your alarm system, allowing you to trigger an emergency alert with the press of a button, no matter if the system is armed or disarmed. This feature ensures that help is always within reach in case of emergencies, such as an intruder, a medical situation, or any other urgent threat.



Note: *An emergency switch is only suitable for use with the PlatinumX*

Maintaining your Emergency Switch

1. Ensure that your Emergency Switch is kept free from excessive dust or insects
2. Check the batteries monthly when you check all other sensors

Mounting the Emergency Switch

The Emergency Switch comes with a specific pre cut double sided pad. Remove one side and place the pad on the bottom of the housing. Remove the other side and place in a convenient location.

Replacing the Batteries

If the batteries are flat or low (repetitive flashing) using a small flat bladed screwdriver pry open the top cover to expose the battery. Replace the 12v 23A battery and reinstall cover.

Pin Switch & Sender

About: PIN switches are a mechanical switch typically installed on doors, toolboxes or hatches that will form a closed loop when the door/hatch is opened. Pin switches and the sender unit are purchased separately. Multiple PIN switches can be connected in parallel to one sender.



Maintaining your PIN Switch

1. Ensure that your PIN Switch is kept free from excessive dust or insects and that the cables to the PIN are not subject to impact or mechanical abrasion
2. Check the batteries in the sender monthly when you check all other sensors

Mounting the PIN Switch

The PIN Switch requires an 8mm mounting hole. Mount so that the closing of the door/hatch pushes the plunger down. Mounting brackets are also available.

Input Sender

About: The Input Sender is capable of receiving signals from a third-party device with an operating voltage range between 3.3 and 12 volts. Once the signal is detected, it triggers an alarm that is sent to the connected security system, ensuring timely alerts for various situations.

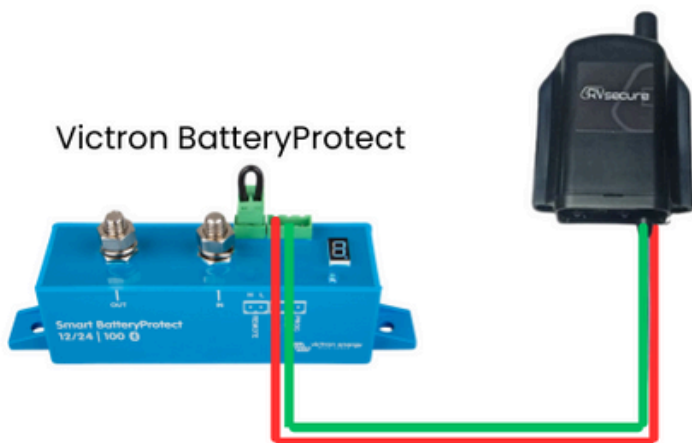
When integrated with a PlatinumX device, this input can be further categorised to enhance the alarm system's functionality. The signal received can be interpreted either as a general alarm or a power alarm, depending on the configuration. This distinction allows for more specific alerts, aiding in faster response and resolution.

Maintaining your Input Sender

1. Ensure that your Input Sender is kept free from excessive dust or insects
2. Check the batteries in the sender monthly when you check all other sensors

Wiring

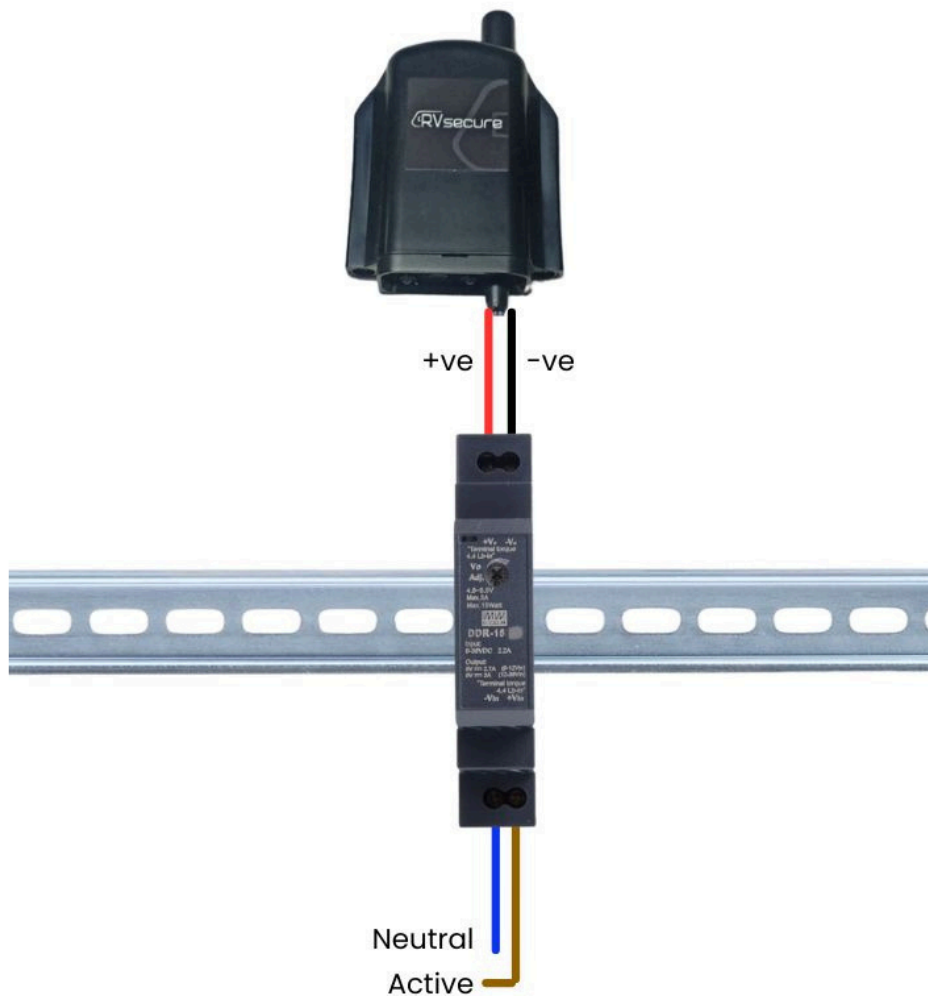
The Input Sender has two wires, red and green. The Green is connected to earth, either specific or using a common earth. The red is connected to the positive of the device sending the signal. An example using a Victron system is shown below, and in this example the sensor would be set as a power alarm.



Marine - Shore Power

About: The shore power sensor is a vital monitoring device designed to ensure uninterrupted electrical supply from shore power connections to a boat. It continuously monitors the incoming 240-volt AC power and sends an immediate alarm signal if the power supply is lost or interrupted. This alert allows the boat's owner or crew to respond quickly to restore power and prevent potential issues.

Wiring



Note: This product requires 240v wiring and should only be completed by a licensed electrician

Maintaining your Shore Power Sensor

1. Ensure that your shore power sensor is kept free from excessive dust or insects
2. Check the batteries monthly when you check all other sensors

Marine - Water Sensor

About: The water sensor is usually mounted within the hull of the boat, specifically above the waterline, where it can effectively detect the presence of water intrusion. Its primary function is to monitor for any abnormal water levels in areas such as the bilge, where water can accumulate. If the sensor's terminals come into contact with water, it triggers an alarm by sending a signal to the alarm system.



The water sensor is self contained and requires no wiring

Maintaining your water sensor

1. Ensure that your water sensor is kept free from excessive dust or insects
2. Ensure that your water sensor 'body' is not in an area that can become submerged in water
3. Check the batteries monthly when you check all other sensors

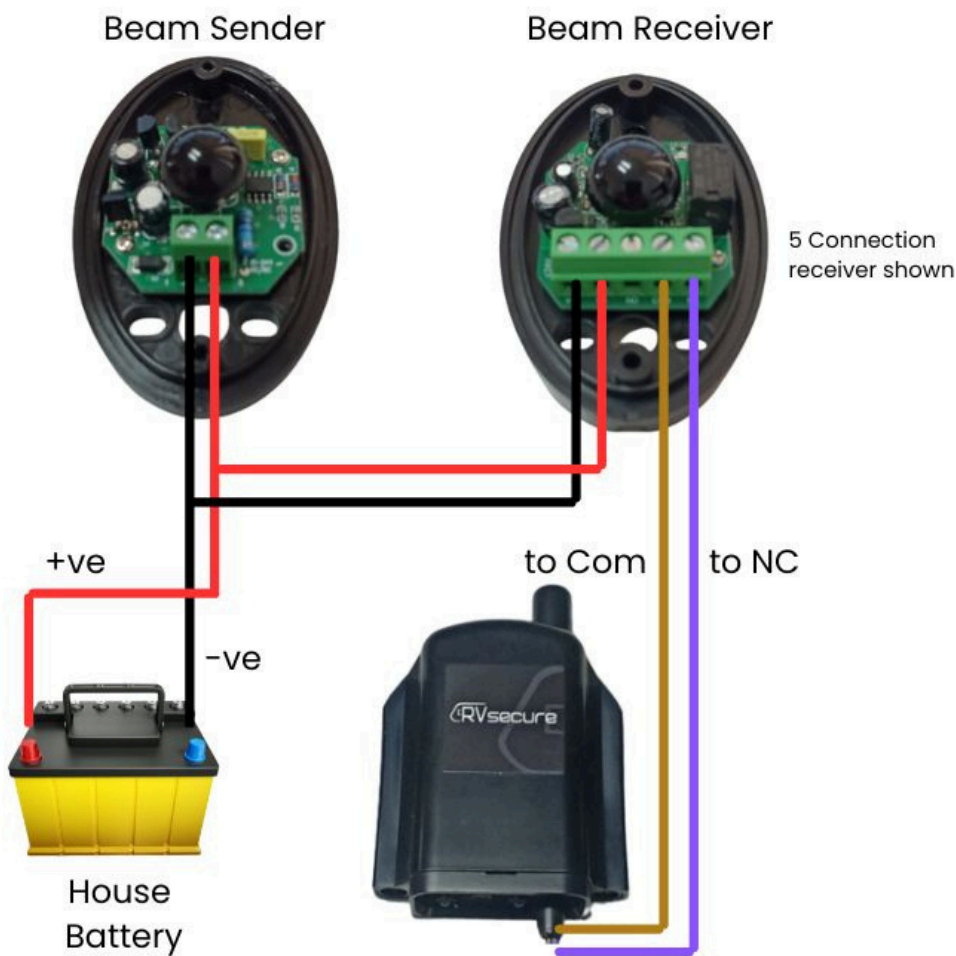
Mounting the Water Sensor

The water sensor probe is mounted at a suitable level where the water would cause alarm. Unravel the cable and mount the holder at a much higher level where the water will not reach.

Marine - Infra Red Beam

About: The Infrared (IR) Beam sensor is specifically designed for installation on the rear deck of the boat, serving as a critical security and safety component. This sensor works by projecting an invisible IR beam between two points—typically from a transmitter to a receiver—forming a continuous line of detection. If the beam is interrupted, such as by a person, object, or movement passing through it, the sensor immediately sends a signal to trigger an alarm.

Wiring



Mounting the IR Beams

The IR Beams are mounted on each side of the deck as appropriate. Mount the sensor in an area that is not exposed and connect to the NC/Comm of the beam. The beams have rear access for wiring. Ensure that a reasonable amount of silicone etc is used on the beams to ensure that there is no water leakage to the rear. Once mounted, using the rubber seal, screw the top covers in place. Test the beams to ensure suitable activation.



Thank You

And we wish you safe travels