



## RVsecure Motorhome Installation Manual – PlatinumX MH

**This installation guide assumes that you already have experience in RV installations. Installing any system in any vehicle requires a level of knowledge of your vehicles electrical systems prior to starting. If in doubt please have a professional installer complete the installation for you.**

### Tools you will require

- Electric Drill
- 12mm drill bit
- 8~8.5mm drill bit
- Automotive crimpers
- Phillips head screw driver
- Flat screwdriver

### Other consumable items that may be required

- Silicone suitable for outdoor exposure
- Cable ties
- Screws
- Cable/connectors for the brake circuit
- 5A inline fuses and holders

### Mounting the Control unit

The control unit can be mounted in any location within the vehicle and with any physical orientation as long as one face is aligned in the direction of tow. It is a good idea to firstly check the cable length for the strobe (if not using extensions) and decide both the strobe and control unit positions based on this and the ability to run the cable. Also ensure that you have the ability to run cables to and from the control unit as required.

The Control unit is attached with 4x suitable screws on the end plates. Mounting the control unit outside or to the underside of the vehicle is not recommended.

### Installing the PIR

The RV PIR can be mounted in a variety of positions due to its unique ability to work through multiple planes. It is good practice to firstly test the operation of the PIR in the chosen position before a final decision is made to install, ensuring suitable operation.

To install the PIR

1. Open the battery compartment at the rear and install the batteries
2. Mount the bracket in the chosen position
3. Clip the PIR on the bracket
4. When ready, power up, add sensor to control unit and then test.

### Installing the Strobe

The strobe is an external blue warning strobe and comes as a “plug n play” unit. Once installed simply plug it in to the control unit.

1. Drill an 12mm hole to allow for the cable and plug to run through
2. When in position, drill the holes for the two fixing screws
3. Apply silicone sealant to the rear of the strobe and then mount and screw the strobe to the wall
4. Apply silicone sealant around where the surround meets the wall to ensure it is water tight
5. Plug the strobe into the control unit

Strobe extensions (3m and 5m) are available if required.

*As with any external item fitted to an RV, be generous with the amount of silicone applied to ensure it is water tight. All external fixings / silicone's should be inspected bi annually at a minimum to ensure there continued function and water seal.*

### **Installing the Siren**

It is recommended that the siren be mounted near to the control unit. Its operation will not interfere with the unit. The siren is waterproof so it can be mounted outside of the vehicle however it is perfectly OK to mount inside. Once a position has been chosen screw the siren bracket into the surface and plug the siren into the control unit.

### **Installing Reed switches**

The reed switches are installed with the magnet half on the door and the wired half on the frame/wall. They do not need to be touching, a distance of 1~3cm will generally be suitable however it is important to test this before permanent mounting. The blue light can be seen activating when the connection is broken allowing easy test.

The sensor comes with double sided mounting tape for ease of mounting, alternatively the outer cases of both the magnet and the sensor can be removed to allow screw connections, or suitable bonding agents can be used. Consult the manufacturers advice regarding the use of bonding agents. Remember that the sensor will require periodic change of batteries (the blue light flashes when battery low) so do not bond the outer cover in place.

### **Installing Emergency Switch**

The emergency switches can be easily installed in any location with either screws or bonding agents. With a screwdriver carefully prize the top cover off. Once removed screw the base to the surface and then replace the top cover.

### **Installing Wired Switches (optional)**

Zone 15 has the capability to install 1 or more wired switches in parallel. Each switch requires two wires from the alarm side of the GPS loom, or if not using the a GPS from the wired switch plug (optional), the Orange (earth) and the White (active). The Orange is connected to the ring connector and the White to the Pin. It is important that these two do not get mixed up and the White earthed to the vehicle otherwise the alarm will not arm.

**Wiring – (also see wiring diagrams page 4)**

### **Connecting Power**

The 4 pin 2 wire loom contains the power and earth cables and should be connected directly to the battery. Do not connect this through any master switching circuits as turning them off will de-power the alarm. The Red cable goes to the +ve battery (we recommend fitting a 5A inline fuse), whilst the Black cable goes to Earth.

### **Installing (optional) GPS and Communications Hub**

The GPS and Communications Hub connects to the alarm system via a 6 pin cable (supplied with GPS kit). Install the 4G and GPS antennas in a convenient position. The ideal position for the GPS antenna is either internally just under the roof or externally on top of the roof. The 4G antenna should be as high as practical. Please see GPS Communications Hub manual for further information.

### **Installation Notes**

- As with any plastic material it is recommended to drill holes slightly larger than the screw to avoid cracking the plastic.
- If using bonding agents be careful to follow the manufacturers advice.
- Whilst the control unit has internal power fusing and advanced automotive type power filtering when connecting the + power cable to the unit it is highly recommended to install an inline fuse as a first line of defence.
- tech7/RVsecure accepts no liability for damage done either to the unit itself, its sub components or to the vehicle due to owners incorrect wiring. If in doubt please consult a professional.

Wiring Diagram

