



# INSTALLATION MANUAL MARINE

 **RVsecure**



**PROTECTORX M GEN2  
PLATINUMX M GEN2  
SKU: RVS\_C7 & RVS\_C8**

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



### Mounting the Control unit

The control unit can be mounted in any location within the boat that is protected and with any physical orientation as long as one face of the unit is aligned in to the front and another face to the side of the boat (ie square). It is recommended that the alignment be within +/- 5 degrees of square. Ensure that you have the ability to run cables to and from the control unit as required. Both the ProtectorX and PlatinumX have the same footprint and the same wiring.

The Control unit is attached with 3x suitable screws on the top/bottom plates. Mounting the control unit outside of the boat 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 Reed switches

The reed switches are installed so that opening the door will break the contact. 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 with the double sided tape (supplied). Remove cover and install battery. The light can be seen activating when the connection is broken allowing easy test.

When mounting remember that the sensor will require occasional change of batteries (the light goes dim / flashes when battery low) so do not bond the outer cover in place.

### Installing Emergency Switches – PlatinumX only

The emergency switches can be easily installed in any location with either screws or double sided tape (supplied). With a screwdriver carefully prize the top cover off and insert battery.

### 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 boat 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 to the port marked Siren.

### Wiring – (also see wiring diagram)

The control unit only requires 1 connection plus power and is wired to the barrier terminal block at the base of the unit. The terminals are marked + - 3 4 5 and the connections for Boats are as follows.

Pin	Description	Normal Wire Colour
1	12v+	Red
2	12v-	Black
3	Not Used	
4	Engine Start Immobiliser Output	Requires Additional Relay (not included)
5	Navigation	Consult Boat Manual

\*\*Using the Immobiliser required an additional NC relay (not supplied), please see wiring diagram.

### **Installing LED Flasher (optional)**

Please see LED Flash manual. LED Flasher is plugged into the port marked Flash.

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

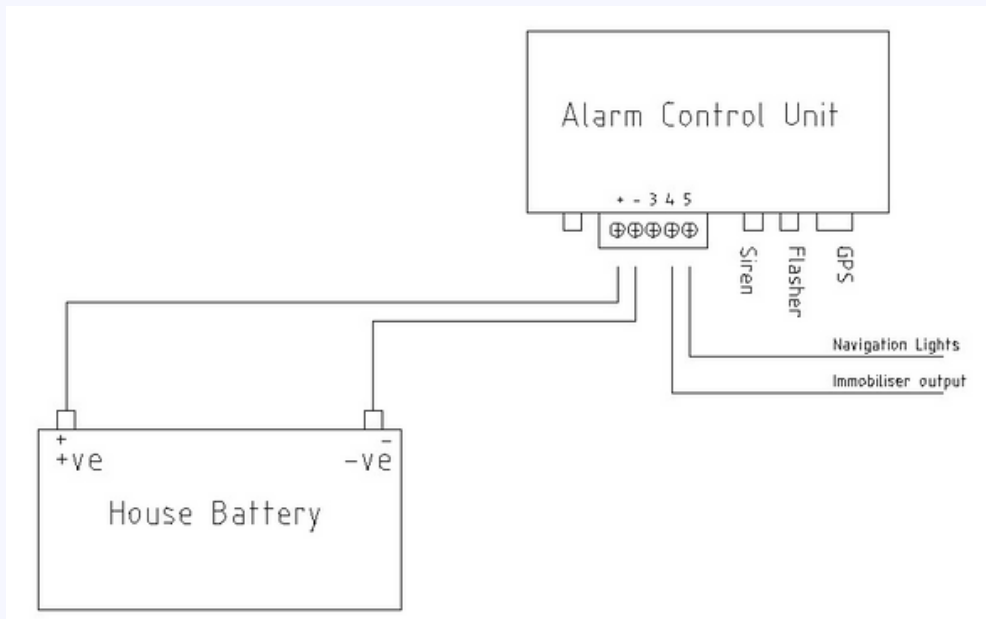
The GPS and Communications Hub connects to the alarm system via a 6 pin loom (supplied with GPS kit) and is plugged into the port marked GPS. Install the 4G and GPS antennas in a convenient position. Please see GPS Communications Hub manual for further information.

### **Liability**

- 1/ 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.
- 2/ tech7/RVsecure accepts no liability for any theft of any property, vehicle or other.
- 3/ tech7/RVsecure accepts no liability for any damage to any property, vehicle or other due to the operation of the braking circuit (if connected) at any time or under any condition.

### **Installation Notes**

- As with any plastic material it is recommended that if drilling any holes they be slightly larger than the screw to avoid cracking the plastic.
- When using double sided tape it is advisable to first clean the surface. Prepsol or IPA are suitable cleaners however caution is suggested when using these on wood (or wood lookalike) surfaces.
- If using bonding agents be careful to follow the manufacturers advice.
- Although not shown in the diagrams for simplicity, the use of a 20A inline fuse from the battery or connection to an un-switched fuse box is recommended at all times.



Control Unit Wiring

Automotive Wiring Gauge Table							
AMPS	3'	5'	7'	10'	15'	20'	25'
0 to 7	18	18	18	18	18	18	18
8	18	18	18	18	18	16	16
10	18	18	18	18	16	16	16
11	18	18	18	18	16	16	14
12	18	18	18	18	16	16	14
15	18	18	18	18	14	14	12
18	18	18	16	16	14	14	12
20	18	18	16	16	14	12	10
22	18	18	16	16	12	12	10
24	18	18	16	16	12	12	10
30	18	16	16	14	10	10	10
40	18	16	14	12	10	10	8
50	16	14	12	12	10	10	8
100	12	12	10	10	6	6	4
150	10	10	8	8	4	4	2
200	10	8	8	6	4	4	2