

ProtectorX Operating Manual

Gen2

Caravan / Camper



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ProtectorX Gen2



| Key | Press | Description |
|-----|----------------------------|---|
| A | Press 1x | System will arm |
| B | Press 1x | No Action |
| C | Press 1x | No Action |
| D | Press 1x | System will disarm, all lights / sirens off and reset |
| D | Press 3x within 10 seconds | Programming mode for adding sensors, changing motion sensitivity and isolating Brake Tamper Detection |

Arming the system

When key “A” is pressed to turn the alarm on the control system reads the system sensors. If the sensors are OK then the system will arm, there will be a short light flash for 1 second and a short audible beep from the control unit to indicate that the system is armed.

If a sensor is not OK then the system will not arm. A long light flash and long audible beep from the control unit (2 seconds) will indicate the failure to arm. The user can then rectify the situation and try again.

Normal Mode

Pressing “A” arms the system in normal mode with both the sensors (PIR/Reed Switches) and Movement sensors active. Any activation in this mode will activate the light and sound the siren.

Disarming the System

Pressing “D” will disarm the system.

Key features of Operation when in Alarm

Siren

- When alarm activated the siren will sound for 15 seconds then reset. If activated again, siren will sound for another 15 seconds then reset. There is a maximum of 3x siren activation's then the siren will not resound. When the alarm is disarmed and rearmed the number of activation's will reset again.

Lights

- When alarm activated the system will flash the parking lights repeatedly for 15 minutes or until disarmed.

Anti-Tow

- **The Anti-Tow system will only activate on the movement sensor and not the PIR or Reed.** When activated (between 1 and 5 seconds after sensing initial vehicle movement) the brakes will lock for 10 seconds. Each time after this that the movement sensor is activated the brakes will lock for another 10 seconds. Multiple activation's can occur sequentially.

Anti-Hitch

- The Anti-Hitch sensing operates when the system detects an attempt to hitch the vehicle. It reacts in the same way as the Anti-Tow sensing by activating the alarm and brakes.

Note:

1/ After arming the system, the anti tow / anti hitch becomes active after 20 seconds.

2/ The AntiTow / Anti-Hitch systems do not work when the Movement sensor (zone 16) is isolated.

Advanced Brake Tamper Detection (Pat Pending) for Electric Brakes

- The ProtectorX is fitted with Advanced Brake Tamper Detection and will sound the alarm if anyone were to remove the brakes from the vans wiring circuit (ie cut the wire to the brakes) whilst the system is armed in an attempt to bypass the auto brake locking. If using Hydraulic brakes please ensure that this is isolated.

Brake Safety Interlock

- The brake safety interlock is an inbuilt safety feature that protects you from the risk of an accidental brake system activation whilst driving. When the system is armed, it checks for a period of 20 seconds to see if the vehicle is in motion, if it detects motion it will enable the interlock and prevent the brakes from being activated.

Please note: the interlock is dependent on a combination of the sensitivity setting, the the driving conditions at the time, ie speed and terrain.

Anti-Jamming

- The system has active anti-jamming detection and if disarmed will beep to alert the user that a jamming device has been detected. If the system is armed it will automatically alarm on confirmed detection.

Adding additional sensors to the system

1. Press "D" 3x to enter programming mode
2. Press "A" to add a sensor
3. Activate the sensor for the control unit to register, it will beep to confirm added. If the sensor is already in the system a long beep will be heard to notify you of this.
4. If another sensor required, repeat step 2/3
5. When finished press "D" to exit
6. If you have forgotten to exit, system will time out and exit programming mode automatically

LED Flasher (optional)

A LED Flasher can be added to the alarm when not using the optional strobe. If installed it will flash every 5 seconds when armed in modes Normal and Silent. It will not flash in Night mode. If the alarm is activated the flasher will flash every second until system is disarmed to indicate that there has been an alarm.

Changing motion sensitivity

The motion sensitivity has 5 settings, 1 (low) to 5 (high), the unit comes initially set to 3 - Mid. There are many factors that can effect the required sensitivity. Vehicle weight, weight distribution, suspension type and position, tyre type and pressure, caravan legs up/down as well as many environmental factors including road surface, wind and other conditions. The mounting position of the alarm control unit is also a factor that has an effect on operation.

1. Press “D” 3x to enter programming mode
2. Press “B” to change sensitivity. System beeps once if high sensitivity through to 5 times for low
3. When finished press “D” to exit

Whilst every vehicle is different, the following is a guide on the starting point for the sensitivity settings.

| <u>Sensitivity</u> | <u>Tandem Axle</u> | <u>Single Axle</u> | <u>Camper</u> |
|--------------------|--------------------|--------------------|-------------------|
| 5 High | Heavy | | |
| 4 High-Mid | Start Here | Heavy | |
| 3 Mid | Light | Start Here | |
| 2 Mid-Low | | Light | Start Here |
| 1 Low | | | |

Isolating the Brake Tamper Detection

If the brake tamper detection is not required (ie not connected or using hydraulic brakes) the brake tamper can be isolated:

1. Press “D” 3x to enter programming mode
2. Press “C” to change. The panel beeps once if active and twice if isolated
3. When finished press “D” to exit

Sensor Battery Replacement

Each sensor has an expected battery lifetime of between 12 and 24 months under standard operating conditions. When a low battery condition is reached the sensor will flash every 10 seconds indicating that it is time to replace the battery. Please note that high use (ie living in van / constant operation) situations will shorten the life of the battery and will require more frequent changes.

GPS Communications Hub (optional)

The alarm system includes a 6 pin port for the optional RVsecure GPS Hub. This will allow (with a suitable subscription) you to receive alarm signals via SMS, App and email as well as provide full tracking. Please refer to the GPS Hub manual.

Warranty

The statutory warranty period applies. If the product is defective please contact the retailer that you purchased it from for initial assessment and to process the RMA claim.

For any repair and guarantee processing, the following items are required:

- 1/ Defect component(s) must be returned to the manufacturer via the place of purchase
- 2/ Copy of receipt with purchase date
- 3/ Reason for claim or description of the fault
- 4/ Contact details of claimant

The manufacturer will at its sole discretion repair, replace or refund if it is agreed that the purchased item or sub-component part is faulty. The manufacturer is not liable for any additional costs involved in the return of the product(s) nor is it liable for any damages or compensation.

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.

Maintenance

Any alarm system requires ongoing testing and maintenance to ensure that it is in top operating condition and to reduce the chances of false alarm. We recommend the following maintenance schedule:

Monthly

Check sensors and control unit physically OK with visual inspection. Check sensors for any flashing indication of low battery. Ensure there is no evidence of cobwebs around the sensors.

Annually

Full alarm test including activation of all zones

PIRs – walk test to ensure correct operation. Remove cover of PIR to ensure no ingress by any insects, fluids etc.



Thank You

And we wish you safe travels

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