

WPIR wireless PIR sensor

INSTRUCTIONS

The 'WPIR/WRS' family of wireless PIR & reed sensors are designed to replace standard PIR's & reed switches which require cumbersome wiring which in some cases can be impossible to install. WPIR's can be installed in motor homes, caravans, trailers and even garages where the vehicle is parked and offer a wireless connection to your vehicle alarm system.

They can be utilized with any 'UW' or 'A' series alarm with a maximum of 10 'WPIR/WRS' per alarm. Each 'WPIR/WRS' has an individual code and is learnt into a different sector (sectors 11-20) for reporting and diagnostics. Sector 11 should be used for the WPIR as it can be overridden with Ultrasonic Override Function of the vehicle alarm system if required as in motor homes etc. where perimeter protection only is required whilst occupied.

INSTALLATION (NOTE :- REMOVE BATTERY SAVER PLASTIC DISC BEFORE COMMENCING)

The WPIR is comprised of a small RF module incorporated inside a PIR sensor. The WPIR is usually mounted on the ceiling of the space to be protected by using double sided tape on a clean surface (WURTH recommended) or screws if necessary. The install mode jumper/shunt should be removed at the end of installation & testing to extend the battery life of the WPIR. Whilst the jumper/shunt is in place the exit time of the WPIR is reduced to 10 seconds rather than the standard 5 minutes once the jumper/shunt is removed. This exit period **10 seconds/5 minutes** is restarted by any movement during this period and the end of this exit period is signified by three quick flashes of the WPIR LED and then the WPIR is ready to trigger (each trigger is signified by two transmissions and flashes of the WPIR second apart LED one).

'LEARN' PROGRAMMING MODE

Up to 10 WPIR/WRS (or other wireless sensors) can be learnt by entering on the alarm/upgrade module the WIRELESS SENSORS 'LEARN' MODE (7 ignition's 'ON' & then PIN NUMBER) similar to PROGRAMMING MODE (3 ignition's 'ON') but with the addition of PIN NUMBER entry as well for security reasons.

To enter the WIRELESS SENSORS 'LEARN' MODE activate the 'UW' or 'AW' alarm and within 4 seconds commence to turn the ignition 'ON' and 'OFF' 7 times at approximately 1 second intervals (vehicles with pushbutton start may require extra presses of the pushbutton to activate and deactivate the ignition and on some vehicles may require the driver's door to be open) ie :- 1 second 'ON' then 1 second 'OFF' etc. After the ignition is deactivated the 7th time the dash LED will flash quickly for 3 seconds and then stop. The first digit of the PIN NUMBER can then be entered by again turning the ignition 'ON' and counting the flashes of the dash LED and then 'OFF' and 'ON' again for the second digit of the PIN NUMBER and so on for the 4 digits after which if PIN correct the siren will chirp once to confirm you are in the WIRELESS SENSORS 'LEARN' MODE.

Once in the WIRELESS SENSORS 'LEARN' MODE trigger each of the WPIR/WRS to be learnt (each one will be confirmed by a chirp after which you have 30 seconds to learn the next WPIR/WRS). Wait till after the second pulse from each WPIR/WRS (each WPIR/WRS transmits twice 1 second apart)

before moving on to the next WPIR/WRS. After the last WPIR/WRS has been learnt allow 30 seconds for the WIRELESS SENSORS 'LEARN' MODE to close.

TEST MODE

The WPIR/WRS can be tested by, within 45 seconds of deactivating the alarm/upgrade, simply turning on the ignition and opening the driver's door and then within another 45 seconds triggering the first of the installed WPIR/WRS, each of which will chirp the siren to confirm operation and restart the 45 seconds test mode. Wait for at least three seconds between each WPIR/WRS (each WPIR/WRS transmits twice 1 second apart) before moving on to the next WPIR/WRS.

Alternately the WPIR/WRS can be tested by normal operation which involves arming the alarm/upgrade, waiting for the exit times of both the WPIR and the vehicle alarm to elapse (exit time of vehicle alarm denoted by constant dash LED) and then triggering the first WPIR/WRS. Repeating the same procedure for each of the installed WPIR/WRS.

MAINTENANCE

As with other features of the alarm/upgrade testing should be done periodically by the owner using the TEST MODE and dependant on usage, batteries be replaced at regular intervals (up to 4 years battery life depending on usage).

SPECIFICATIONS

- * Exit time – jumper 'ON' 10 seconds/jumper 'OFF' 5 minutes
- * Transmit range :- up to 30m depending on position of install
- * Battery type :- AA LITHIUM 3.6V Li-SOCI2 (up to 4 years battery life depending on usage)
- * Size: diameter 95mm , high 35mm and with mount 40mm