

WIRELESS PIR ACCESSORY (WHA2)

The wireless PIR movement sensor is used to protect any vulnerable areas in your property from intruders when used with the WHA1 Wireless Home Alarm System.

Please ensure you follow the steps in this manual to correctly install this product:

IMPORTANT POINTS TO NOTE

- The sensor is only suitable for internal installation
- Do not mount close to fittings such as metal pipes or radiators, which may affect its operation.
- **Please note the type, style and construction of your home can affect the signal transmission range**
- Do not position the sensor directly facing windows, direct sunlight, above a heat source such as a radiator or in conservatories or draughty areas.
- When armed, keep pets out of areas protected by the PIR sensor.
- The maximum number of sensors your system can take is 10
- Do not use rechargeable batteries. Only use the equivalent alkaline type
- If your alarm system is already installed, then another person will be needed to disarm the siren from the keypad immediately when removing/refitting the siren on the wall

SAFETY

Please note: Before you start to install this sensor, we advise that you take adequate safety precautions when using power tools and ladders and follow manufacturers advice. Protect your eyes using safety goggles when drilling and never use electrical appliances in damp or wet conditions.

Before drilling holes in walls check for hidden electricity cables and water pipes. The use of a cable/pipe locator is recommended.

The use of ear defenders is advisable when working in close proximity to the external siren.

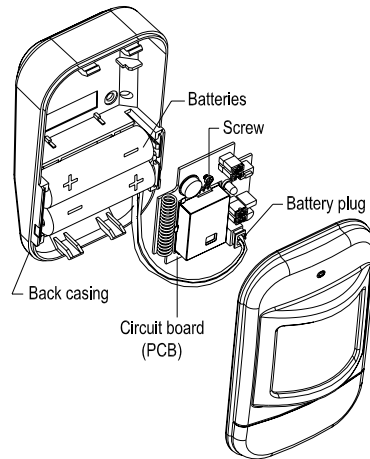
What you need to purchase:

2 x 1.5V AA Alkaline batteries

INSTALLATION STEPS

POWERING THE PIR SENSOR

1) Separate the front cover from the rear casing by simply pulling the two apart.



2) Insert 2 x AA alkaline batteries in the battery compartments.

3) The '+' signs on the batteries must match the '+' in the battery compartment.

4) Do not refit the front cover at this stage as you still need to link the sensor to the external siren.

5) Allow approximately 1 minute for the PIR to warm up and function correctly

LINKING THE SENSOR TO THE EXTERNAL SIREN

For the system to function properly, the external siren needs to learn the unique code of this sensor.

IMPORTANT: If your alarm system is already installed and you are adding this accessory to the system, then you will need to remove the external siren from the wall.

It is advisable to wear ear defenders when removing the siren from the wall as the tamper alarm will sound when activated. Another person will be needed to disarm the siren from the keypad immediately.

1. With the siren removed from the wall, remove its rear cover.

It is advisable to wear ear defenders at this stage during the learning process also as the siren will sound and is very loud.

2. Press the LEARN button once on the siren to enter learn mode. The red learn LED will be lit on the pcb for approximately 30 seconds.

Note that if the sensor is activated when picked up, then wait for the green LED to turn off first before pressing the LEARN button on it

3. Press the LEARN button once on the pcb of the PIR sensor. Its LED will flash green rapidly and the siren should produce 3 beeps to indicate successfully linked.

Note: If no learn signal is received by the siren within approximately 30 seconds, the learn LED on the siren will turn off and the siren will exit learn mode automatically.

4. Wait approximately 30 seconds for the siren to exit learn mode or press the LEARN button once on the siren to exit learn mode manually.

5. Refit the back cover and re-install the siren on the wall. Note that if the tamper switch is activated again, another person may be required to disarm it from the keypad by entering the 4 digit password and the DISARM key.

Note: Without the front cover refitted, the PIR will not detect at the correct range

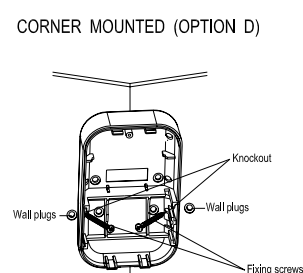
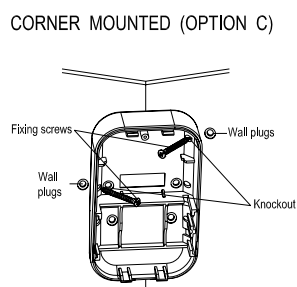
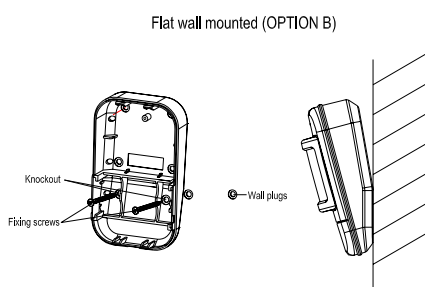
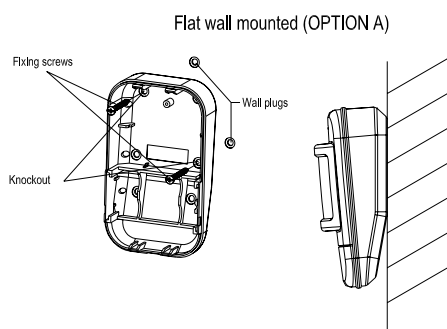
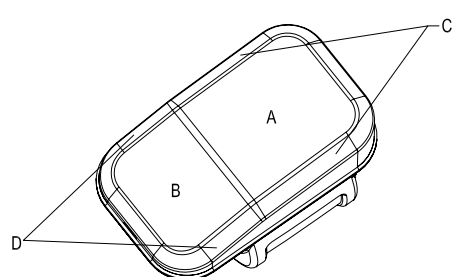
How to know if the siren has too many devices linked to it

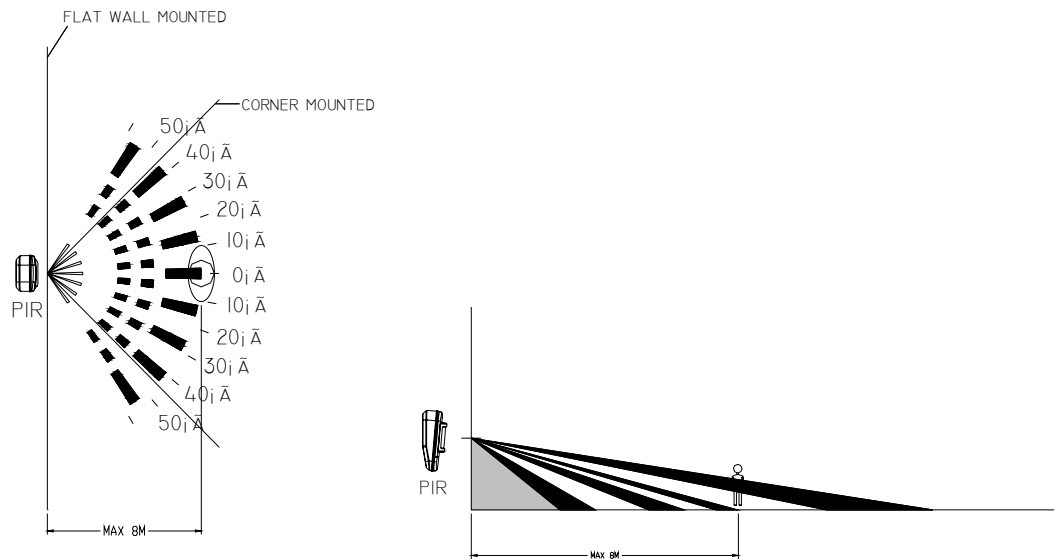
If during the learning process the siren produces 4 beeps then this indicates it has 10 devices already connected to it.

INSTALLING THE PIR SENSOR

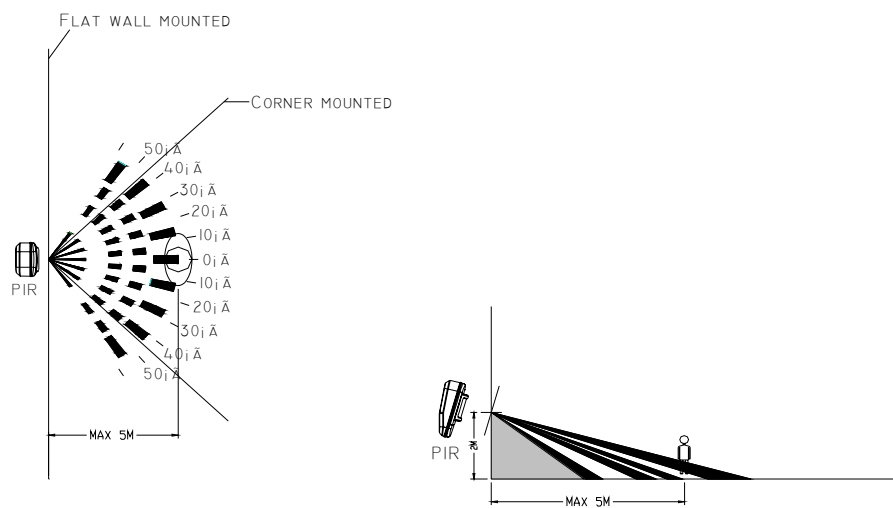
1. Using the supplied fixings, mount the back cover of the sensor on the interior wall as shown at a height of 2-2.5m taking precaution not to damage the electronic circuitry
2. There are four mounting options as shown below:

MOUNTING OPTIONS



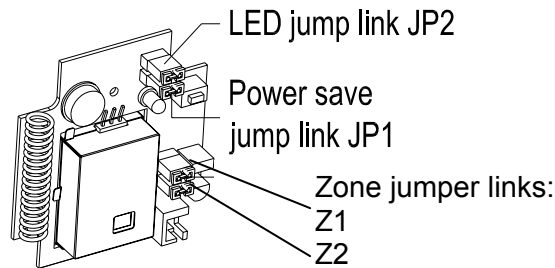


PIR detection range when installed to mounting **OPTION A or C**



PIR detection range when installed to mounting **OPTION B or D**

Jumper links selection:



PIR LED ENABLE / DISABLE

When the PIR sensor detects body movement, the green LED will flash for approximately 5 seconds indicating transmitting. Disabling the PIR LED will not affect the sensing function, but can **save power**.

JP2 jumper:	Jumper removed	LED disabled
	Jumper installed	LED enabled < factory default >

PIR POWER SAVE ENABLE / DISABLE

In power save mode, the PIR sensor will not transmit a signal after it has been triggered for approximately 5 minutes. When a PIR sensor is in power save mode, it will transmit a signal when it detects body movement once. Within the next 5 minutes, even it has been re-triggered by body movement, it will not transmit a signal to **save power**.

JP1 jumper:	Jumper removed	Power save enable
	Jumper installed	Power save disable < factory default >

Note: Jumpers Z1 and Z2 are not used with your system

3. After configuring the jumpers if necessary, refit the front cover on the sensor. You are now ready to test it.

Note: Ensure the front cover is refitted otherwise the PIR will not detect at the correct range

TEST YOUR SYSTEM

With the sensor installed, check that it functions correctly as follows:

1. Arm your system using the keypad
2. Wait for the 30 seconds exit period and the siren beeps once (or will continue to beep during the exit period if the JP2 jumper on the siren is removed).

Note: Bear in mind that if the PIR sensor's power saving feature is enabled (5 minute enable feature), this will affect the sensors response when testing.

3. Move across the detection path of the PIR sensor
4. The external siren will beep once (or continue to beep if JP2 jumper on siren removed) and the blue LEDs will flash during the 30 second entry period. The alarm will be triggered and its blue LEDs will flash accordingly.
5. Disarm your system from the keypad

LOW BATTERY WARNING

A red LED lighting up instead of green on the sensor indicates low batteries.

The typical battery life is around 12 months.

If the low battery warning starts, the batteries will need to be replaced with the equivalent alkaline batteries within the next seven days to continue full protection.

Disposal and Recycling

Batteries and waste electrical products should not be disposed of with household waste. Please recycle where these facilities exist.

Check with your local authority or retailer for recycling advice.

Guarantee

Novar ED&S undertakes to replace or repair at its discretion goods (excluding non rechargeable batteries) should they become defective within 1 year solely as a result of faulty materials and workmanship.

Understandably if the product has not been installed, operated or maintained in accordance with the instructions, has not been used appropriately or if any attempt has been made to rectify, dismantle or alter the product in any way the guarantee will be invalidated.

The guarantee states Novar ED&S entire liability. It does not extend to cover consequential loss or damage or installation costs arising from the defective product. This guarantee does not in any way affect the statutory or other rights of a consumer and applies to products installed within UK and Eire only.

If an item develops a fault, the product must be returned to the point of sale with :

1. Proof of purchase.
2. A full description of the fault.
3. All relevant batteries (disconnected).

CUSTOMER HELPLINE

0844 736 9149

Most issues can be solved over the phone in a few minutes. Please contact our Helpline Team on the above number for any installation and general advice regarding our products

Lines open 9.00am to 5.00pm, Monday to Friday. Calls are charged at service providers national rate.



Novar Electrical Devices and Systems.

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