

CA2000P - Wirefree PIR Detector

Installation and Operating Instructions

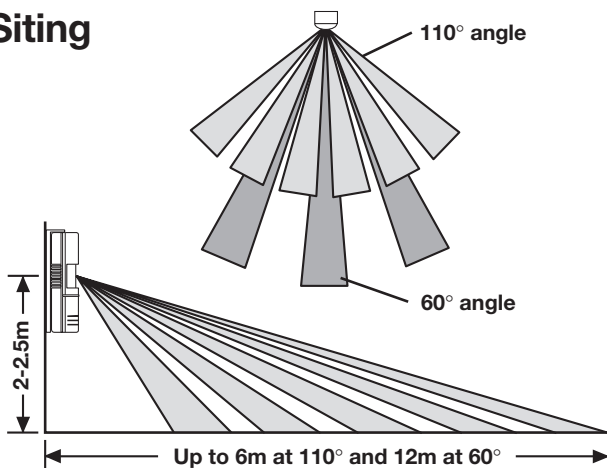
These instructions should be read in conjunction with your system Installation and Operating Manual and retained for future reference.

Introduction

The CA2000P Passive Infra Red (PIR) Detector is designed for use with all Response 418MHz, 8 dip switch House Code, Part Wired, Wireless and Wirefree alarm systems.

Any number of Passive Infra Red Detectors can be used with your system, providing they are all coded with the System House Code and are within the radio range of the System.

Siting



The recommended position for a Passive Infra Red Detector is in the corner of a room mounted between 2 and 2.5 metres from the floor. At this height, the detector will detect movement up to 6 metres at 110° and 12 metres at 60°, depending on adjustment. Also, in this position, the 110°/60° fan-shaped detection patterns can normally offer greater protection than mounting on a flat wall. Before selecting a position for a Passive Infra Red detector the following points should be noted:

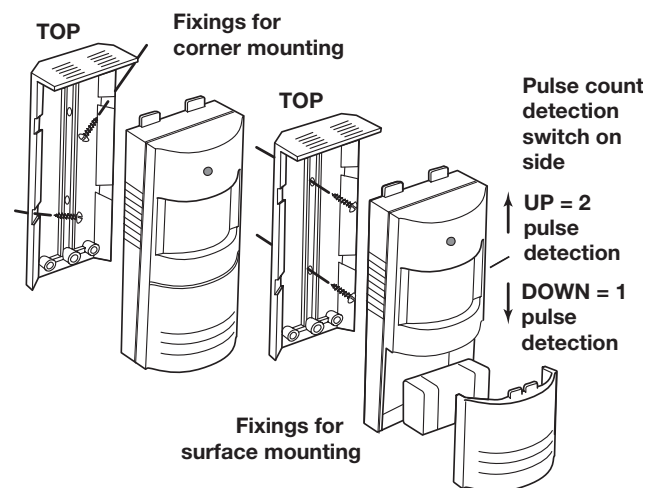
1. Do not position detector facing a window or direct sunlight. Passive Infra Red Detectors are not suitable for use in conservatories or draughty areas.
2. Do not position detector directly above any source of heat, eg. fire, radiators, boiler etc.
3. Where possible, keep pets out of areas protected by Passive Infra Red detectors. If this is not possible,

alternative mounting arrangements or a special 'Pet Lens' may be required.

4. Where possible, mount the detector so that the logical path of an intruder would cut across the fan pattern rather than directly towards the detector.

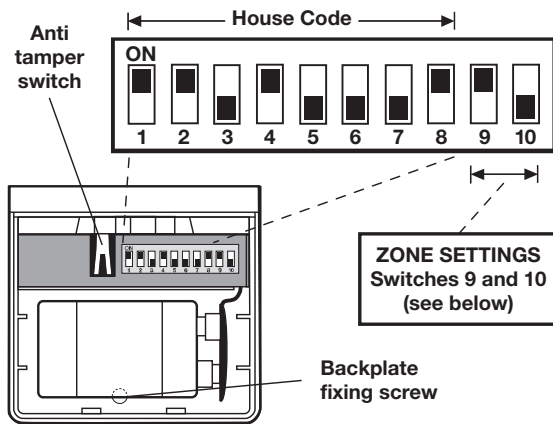
Installation and Operation

Note: Before commencing installation of the Detector you should set your system to Test mode/Service mode (refer to your system Installation and Operating Manual for details).



1. Remove the battery cover by inserting a coin under the cover lip and twisting open. Remove the fixings pack.
2. Remove the screw (in the battery compartment) holding the wall bracket to the detector.
3. Slide the wall bracket up and remove the bracket from the detector as shown.
4. Hold the wall bracket in position and mark the two mounting holes. (If corner mounting drill pilot holes in the chamfers as shown).
5. Drill two 4mm diameter holes and insert the plastic wall plugs supplied.
6. Screw the bracket to the wall using the screws supplied.
7. Offer the detector up to the wall bracket and locate it into one of the bracket slots to angle the detector down

slightly. Fix the detector in position on the bracket using the fixing screw at the rear of the battery compartment.



View inside PIR Detector Battery Compartment

8. Using a ball-point pen, set the miniature switches 1 - 8 to the same combination of 'ON' and 'OFF' as the House Code switches in the other items in your system.
9. Set switches 9 and 10 to suit your system/zoning as applicable:

System	Zone	Switch 9	Switch 10
HA50	Instant	ON	OFF
	Delay	ON	ON
Protector P400 P500 P500S	Instant/Full Arm	ON	OFF
	Delay/Part Arm	ON	ON
CA610 WA510	Zone 1	ON	OFF
	Zone 2	ON	ON
E100 E200 S100 S200	N/A	ON	OFF
E400 S400	Zone 1	ON	ON
	Zone 2	ON	OFF
	Zone 3	OFF	ON
	Zone 4	OFF	OFF

10. The PIR incorporates an anti false alarm feature designed to compensate where the detector may be affected by environmental changes, eg. insects, air temperature, etc. This feature is called 'Pulse Count' and may be selected for one or two pulses.

The recommended pulse count is one. In cases of extreme environmental problems or if unattributable false alarms are experienced, it may be necessary to select Two Pulse Count Detection.

Note: The higher the pulse count, the more paces an intruder will have to move before triggering the alarm.

To select the required pulse count move the switch on the side of the detector:

UP = Two Pulse Detection

DOWN = One Pulse Detection

11. Fit the 9 Volt Alkaline battery supplied to the battery terminals but do not replace the battery cover.

Note: Where applicable, the alarm will sound on 'Test' for approx. five seconds to indicate that the House Code is correct and that the detector is within radio range of the Control Unit.

After the battery has been connected for approx. 40 seconds the Infra Red Detector will become active causing the LED above the detector window to flash every time movement is detected. Where two pulse count detection has been selected the LED will be dim on the first detection and brighter on the second.

12. By walking into the protected area the detector will now be triggered each time the detector senses movement and the LED will flash. If necessary re-adjust the detection distance by angling the detector up or down on its wall bracket.

13. Replace the battery cover on the detector.

Note: When the detector is fully installed, ie. battery cover is fitted, the unit will not detect movement for approx. 40 seconds after each activation. In normal operation, with the battery cover on, the detector LED will **not** flash on movement detection.

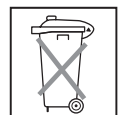
14. Take the system out of Test/Service mode (refer to your Installation and Operating Manual for details).

15. Arm the system and test the PIR Detector for satisfactory operation.

Disposal

At the end of their useful life the packaging, product and batteries should be disposed of via a suitable Recycling Centre.

Do not dispose of with your normal household waste. Do not burn.



If you need help, just dial the Helpline for expert technical support

0845 373 1353

(Lines open 9.00am to 5.30pm, Monday to Friday.
Calls charged at Local Rate).



Response Electronics Ltd. Roman House, Lysons Avenue, Ash Vale, Surrey GU12 5QF.

visit us on our website: www.ResponseElectronics.com