

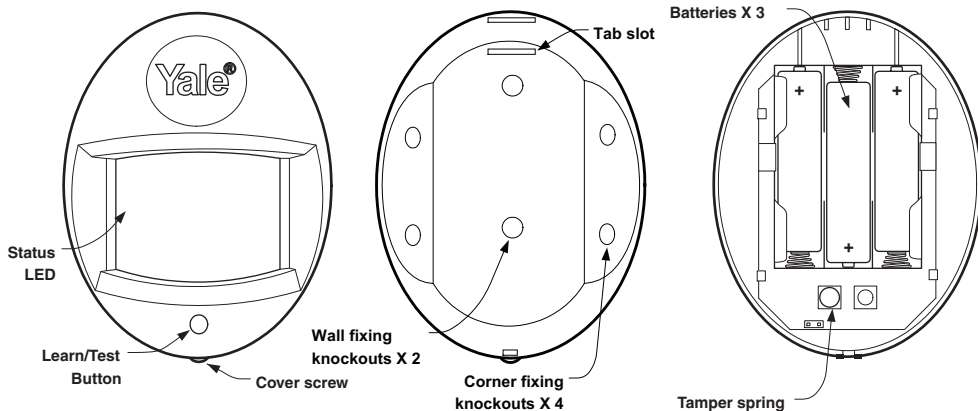


The world's favourite lock

HSA6000 series

Wirefree Yale HSA6021 Pet friendly PIR detector

(Yale part number: 666021001001)



Pack contents

- 1 x HSA6021 Pet friendly PIR detector
- 4 x wall plugs/cross head fixing screws

PIR detector description

Status LED: Hidden red LED shines through lens to indicate PIR status.

Learn/Test button: Used for testing the radio performance (No sleep time) and for learning-in.

Cover screw: Provides access to inside of PIR

Tamper Spring: Spring loaded switch to protect the PIR from being opened.

Tab Slot: Pull out plastic tab to activate battery.

Corner fixing knockouts: Punch through to provide holes for corner fixing.

Wall fixing knockouts: Punch through to provide holes for flat mounting on walls.

Batteries X 3: Battery compartment for three AAA 1.5V alkaline cells.

Specification

Conforms to:

EN 300 220-1 / V2.1.1 (2006-04)
 EN 301 489 -1, / V1.6.1 (2004-12)
 EN 301 489-3, / V 1.4.1 (2002-08)

Environmental conditions:

-10°C to 40°C, relative humidity
 70% non-condensing

Radio:

Micro processor controlled
 433.92MHz AM transmitter.

Battery:

3 X AAA alkaline cells, 2 years typical
 domestic service life,
 1-minute sleep timer.

Installation

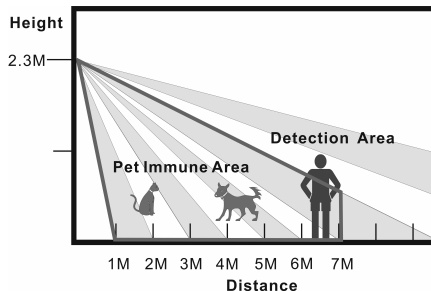
- Remove the battery saver tab to activate battery.
- The light steadily flashes for 30 seconds while components initialise.

Programming & testing

Program your PIR before installation and test afterwards. Please see your current system instruction book.

Location

The PIR is designed to give a typical detection range of 12 meters when mounted at 2 meters above ground. When mounted at 2.3 meters above ground, it gives a typical pet immune range of 7 meters. The higher the PIR is mounted above ground, the better the pet immunity range. It is recommended to install the PIR at 2.1 - 2.4 m above ground for best performance.



- The PIR will ignore a pet that weights approx. 20-25Kg. False triggering may occur if there are multiple pets.
- For the best performance of the PIR, adjust the mounting height of the PIR in accordance with the “tallest” pet in the house. For “taller” animals, it is recommended to install the PIR at a higher position.
- When deciding on the height for the mounting of the PIR, remember to take the possible blind spot into consideration. The blind spot underneath the PIR enlarges proportionally to the height of the PIR (at a height of 2.3m, detection range starts from 1m).
- Mount the PIR where animals cannot get into close proximity of the PIR by climbing on furniture or other objects. Do not face the PIR at stairways that the animals have access to.
- Mount the PIR in a position such that an intruder would normally move across the PIR’s field of view.
- Mount the PIR in a corner to give the widest view.
- Mount the PIR where its field of view will not be obstructed e.g. by curtains, ornaments etc.

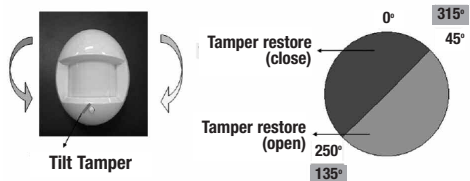
Limitations

- Do not position the PIR to directly face a door protected by a door contact, this could cause the door contact and the PIR radio signals to be transmitted at the same time when entering, therefore possibly canceling each other out.
- Do not install the PIR completely exposed to direct sunlight.
- Avoid installing the PIR in areas where devices may cause rapid changes in temperature in the detection area, e.g. air conditioners, heaters, etc.
- Avoid large obstacles in the detection area.
- Do not mount the PIR directly facing sources of heat e.g. fires, boilers or above radiators.
- Avoid mounting the PIR in areas where there are objects that may move e.g. curtains etc.

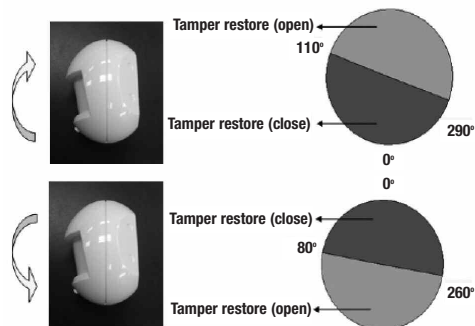
Understanding the Tilt Tamper Detection Mechanism

- When the PIR is placed on its back, and the tilt is horizontal: a “Tamper activate” signal will be transmitted to the control panel. The tilt tamper will also trigger when the PIR is rotated clockwise at an angle equal to or greater than 45°, or if the counter clockwise angle is equal to or greater than 135°.

Once the tilt angle is restored to less than 45° clockwise or 135° counter clockwise, then a “tamper restore” signal will be transmitted to the control panel.



- When the PIR is placed upright, and the tilt is vertical: a “tamper activate” signal will be transmitted to the control panel when the “learn/test” button is rotated towards you at an angle equal to or greater than 110°, or away from you at an angle equal to or greater than 80°. Once the tilt angle is restored to less than 110°/80° respectively, a “tamper restore” signal will be transmitted to the control panel.



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