Owners Manual of Wireless PIR sensor HPIR006

Keystone's 6 Channel PIR006 wireless PIR sensor will work with any one of Keystone's multi-channel receivers HRX005, HRX006 or HRX006A. The HPIR006 is a sophisticated wireless movement detector with selectable pulse count. A low-battery detect feature (Ch4) and a selectable tamper feature (Ch5) are standard.

Installation

Remove the screw from the bottom of the casing and lift up the latch at the bottom of the unit. Then, remove the screw that holds the circuit board. Securely mount the rear housing at the desired location. The sensor may be mounted flat or in a corner and should be placed approx. 2.3 meters from the floor. Allow at least 3 cm between the PIR and the ceiling to permit servicing.

Coding

The HPIR006 comes randomly pre-coded from the factory with one of more than 59,000 different codes. To match this code with the HRX006A receiver, adopt the following procedure:

- The HRX006A has a self-learn function. Power up the receiver and press the "self-learn" button on the receiver pcb.
- Leave the HPIR006 approximately 3 minutes to stabilize and then, ensuring that the unit is at least one meter away from the receiver move in front of the sensor so a transmission is sent to the receiver.
- The HPIR006 code has now been learnt to the HRX006A receiver.
- For further details, consult the HRX006A manual.

Channel Selection

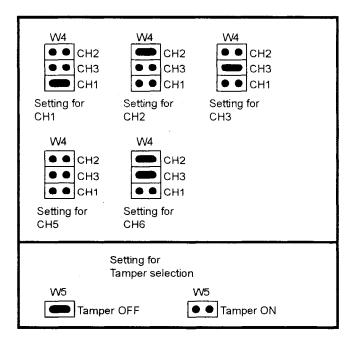
The HPIR006 is a 6-channel device. It comes preset to transmit on Channel 2.

Ch1 = Alarm Channel Channel 4 = Low Battery Channel
Ch2 = Alarm Channel Channel 5 = Tamper Channel or
Alarm Channel (selectable)
Ch3 = Alarm Channel Channel 6 = Alarm Channel

- Channels 1, 2, 3 and 6 can be selected as an Alarm Channel.
 Place the jumpers ON or OFF the three links S3, S4 and S5 as shown below to select the channel required. The HPIR006 will now transmit to the same receiver channel on alarm.
- Channel 4 is the Low Battery Channel and cannot be selected as an alarm channel.
- Channel 5 is selectable as either a Tamper Channel or an additional Alarm Channel. If the tamper function is required, remove the link from W5.

Pulse Count Selector (W1)

If the HPIR006 is being used in an environment prone to false alarms, select W1 to pulse count. This increases the number of detections required before a transmission occurs.



Tamper selector (W5)

Feature	Position of W5 Link	Transmitter Function
Tamper Function Required	Remove Link from W5	 Tamper Function is active on Ch5. Ch5 CANNOT be selected as an Alarm Channel. Transmitter Low Battery Signal will be sent to Ch4 only.
Tamper Function NOT required	Keep Link on W5	Tamper Function is NOT active Ch5. Ch5 can be selected as an Alarm Channel. Transmitter Low Battery signal will be sent to both Ch4 and the corresponding selected, Transmitter channel

Low Battery Function

If the HPIR006 battery is low, then a signal will be sent to the HRX006A receiver. The LED on the front of the receiver will flash slowly, until reset, and Ch4 of the receiver will activate. If Ch5 is selected as an additional alarm channel rather than the tamper channel (see above)then the receiver output of the alarm channel to which the HPIR006 has been coded to will also activate.

Power Saving Selector (W2)

Removal of the Power Saving Link (W2) will give a time delay of 3 mins between transmissions. Therefore, always allows at least 3 mins for the sensor to reset if you are testing the sensor with the Power Saving link removed.

LED Indicator Link (W3)

Removal of the LED indicator link (W3) will cut out the LED indicating detection/transmission.

Testing

Test the HPIR006 for range and correct operation before permanent installation. Install 4 pcs of AAA type batteries into the HPIR006 and ensure that the Power Saving Link is fitted. Use double-sided tape to mount the sensor in the desired location and set the control panel with which the receiver is being used to the TEST or CHIME mode. Wait for at least 3 minutes for the sensor to stabilize and then move in front of the sensor. The HPIR006 will transmit and the control panel should 'Beep' If the panel does not 'Beep', check that the coding in the HPIR006 has been learnt to the receiver or relocate the HPIR006 to a different location, possibly closer to the panel, and test again. Refer also to the instruction manual of the panel being used.

In order to conserve battery life, it is essential that, after all tests have been completed, The Power Saving Links is removed. If they are left in, the PIR006 battery life will be severely reduced.

