

PIRWOD- User/Installation Manual



Wireless Outdoor PIR Sensor

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Thank you for purchasing the RhinoCo **PIRWOD**.

This switch device will provide long and dependable service when properly installed.

Please read this Instruction Manual carefully for correct and effective use.

Product Description

The PIRWOD is a high quality wireless outdoor PIR movement detector for use with all Universal Alarm Receivers. It features 4 selectable detection coverage patterns to suit most applications. The system provides long range wireless transmission and both low battery and supervision outputs. The PIR Sensor can be rotated 180 degrees inside the case to provide flexible mounting options. Connect to virtually any alarm control panel or device that you wish to activate when movement is detected

Features

4 Selectable PIR Detection Coverage Patterns

Automatic Power Saving Mode

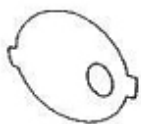
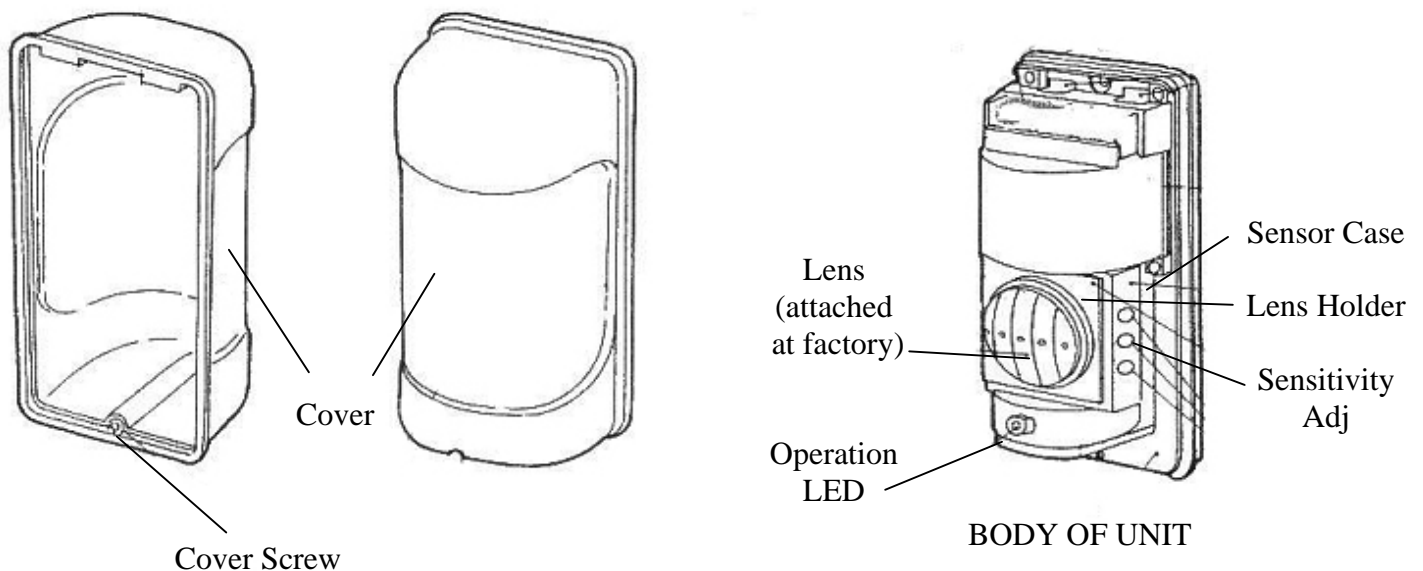
9V Alkaline Battery Provides Approx. 1 Year Life / Lithium Battery Up to 2 Years Life

Transmits Alarm, Low Battery and Supervision Signals

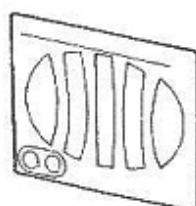
Fully Sealed UV Resistant Housing For Outdoor Use

Detection LED Indicator On/Off Selectable

Parts Description



Filter



Masking Seal



Screws : 2



Long Range Lens

(Optional) Universal Receivers Available:

RXPROR4 — Supports Up To 2 Detectors With Programmable Relay Contacts (Momentary, Latched, Timed or Pulse) Plus Supervision and Low Battery Warning Relay Outputs.

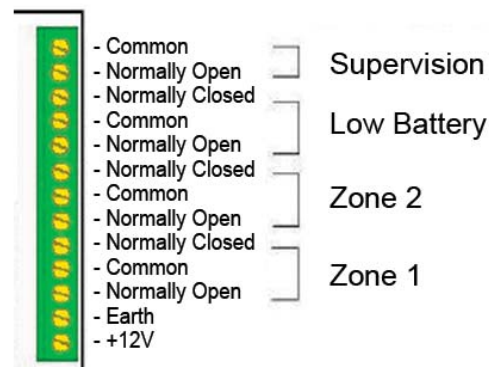
KISSRX – Supports Up to 4 Detectors With N/O (Open Collector) Contacts & Outputs For Supervision & Low Battery. Optional Remote Panic and Remote On/ Off Functions

2 Zone Multi - Function Receiver

Model No: RXPROR4 - M

The RXPROR4 is an advanced multi-purpose narrow-band long range UHF receiver with fully programmable relay outputs (1 amp onboard relays). 12VDC

- Supports Up To 2 Wireless Detectors
- 1 Sec Pulse N/O Outputs (Default)
- Outputs Can Be Programmed To Be Momentary, Latched, Timed or 1 Sec Pulse
- Supervision and Low Battery Warning Relay Outputs
- Available Pre-programmed With 1 or 2 Detectors
- Up to 300 Metres Radio Frequency Range (Line of Sight)

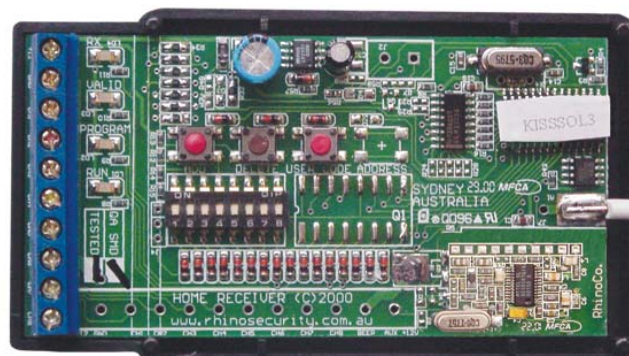
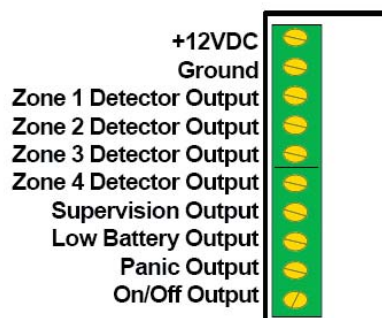


4 Zone Universal Wireless Alarm Receiver

Model No: KISSRX

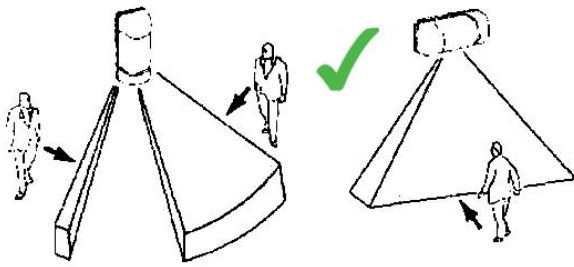
Very easy to install 4 Zone Wireless Receiver for adding wireless detectors and remotes to virtually any alarm control panel. 12VDC. Supports Up to 4 Detectors With Normally Open (Open Collector) Contacts Plus Outputs For Supervision & Low Battery. Supplied With 2 x 2 Button Code Hopping Remotes.

- 4 Wireless Detector Zones
- Supervision Output
- Low Battery Warning Output
- Remote On / Off Output
- Remote Panic Output
- Memory Recall Function to Identify Individual Detectors Sending Low Battery Or Supervision Codes
- Up to 100 Metres Radio Frequency Range (Line of Sight)

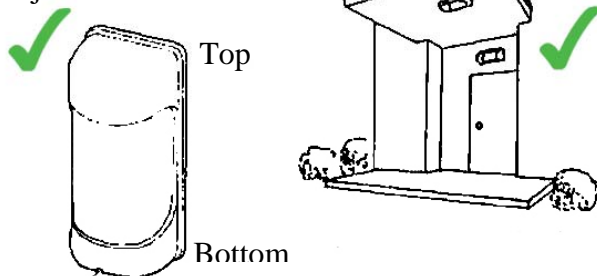


Precautions

Install the unit in such a direction that persons are more likely to cross the detection zones

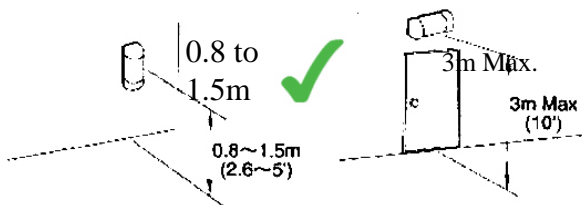


For horizontal installation, do not install in a site which is subject to rainfall

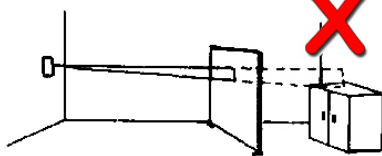


The unit should be installed as the following....

Vertical Installation Horizontal Installation



Remove obstructions; including glass from the detection zones

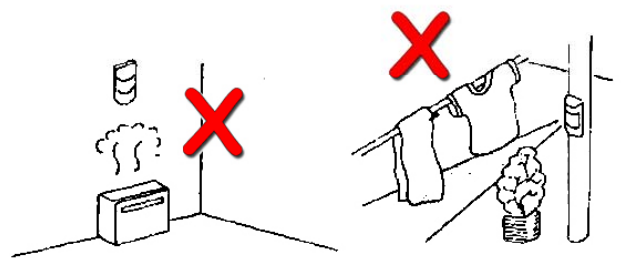


In case of outdoor applications; adjust the lens holder to 2, 4, 6 downwards from horizontal.

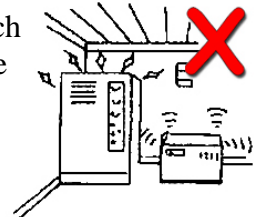


Install in a location which avoids direct sunlight. If not, use supplied filter. (see below)

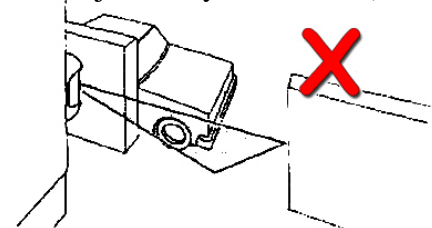
Do not install the unit by an air conditioner vent. Remove all obstructions (trees, clotheslines, etc.)



Do not install in a site which is subject to electrical noise or vibration.



Check the detection zones before operation. (Unexpected objects may be detected)

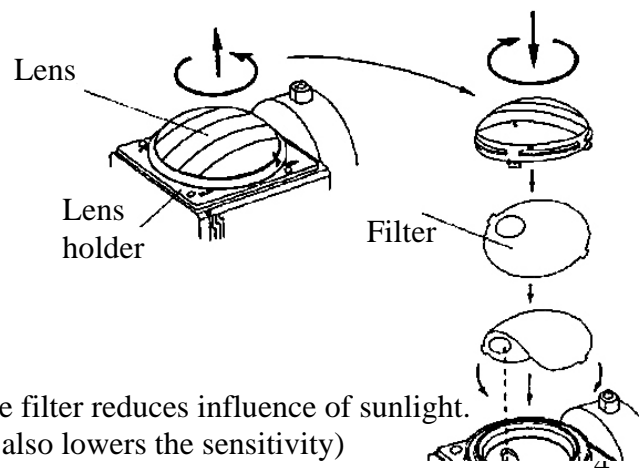


OTHER PRECAUTIONS

Avoid using the unit for primary security purposes.

The unit is designed to detect infrared energy variations and therefore similar variations in conditions due to other reasons, may cause the sensor to create a signal it is unable to distinguish between the sources.

Insert the filter between the lens and the lens holder when using the unit in a site, which is subject to direct sunlight.

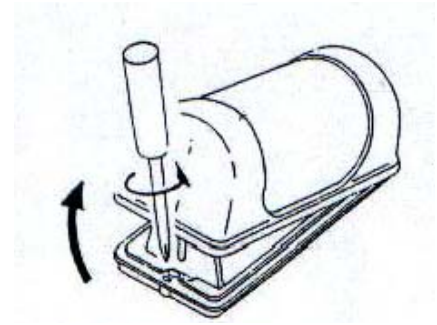


*

The filter reduces influence of sunlight. (It also lowers the sensitivity) Check detection by walk test.

Installation

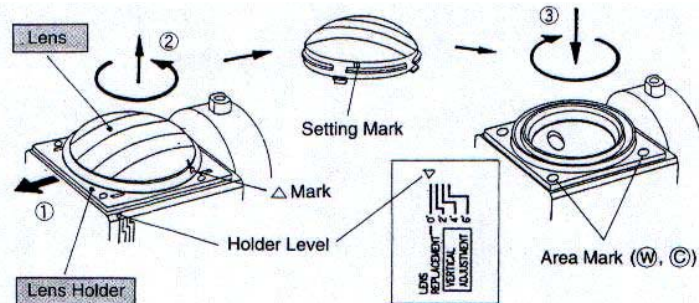
1. Read PRECAUTIONS before installation.
2. Loosen the cover screw and remove cover from unit.
3. Refer to DETECTION AREA and adjust to the required angle.
4. Secure the body of the sensor to wall with screws provided.



Important Note: When installing unit ensure all mounting holes are sealed with silicon sealant

Lens Setting

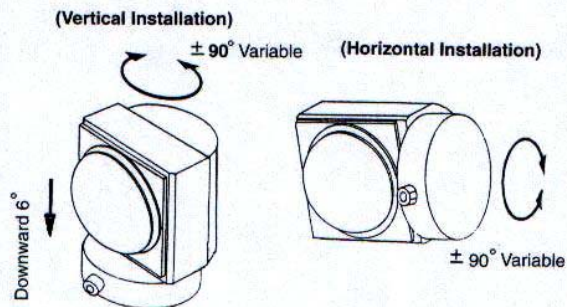
- ① Adjust lens holder to set holder level to 0°.
- ② Remove lens from lens holder.
- ③ Refer to lens setting in chart (4 . 1).
Attach appropriate lens on lens holder and, adjust lens to fit Setting Mark to mark (W) or (C).



Angle Adjustment

(1) Angle Adjustment

① Sensor Case



② Angle Adjustment Level

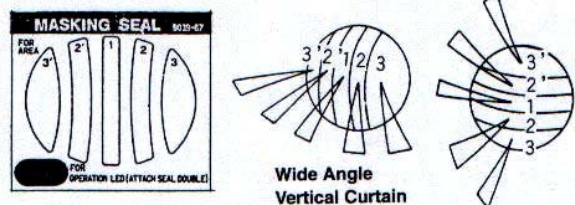
- (a) Turn sensor case to adjust the required angle.
Refer to the seal on the unit.



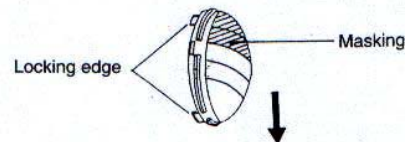
- (b) In case of vertical installation at outdoor, adjust lens holder to set holder level to 2°, 4°, or 6°.

(2) Zone Masking

① Coverage



- Use zone masking seal to cut unnecessary zones.
 - * In case of curtain coverage, omit two upper zones with seals.
- Cut off locking edges of lens and adjust lens holder to set holder level to 2°, 4°, or 6°.



DETECTION AREA

The sensor can be set up 4 different patterns of coverage with 2 types of lens.

**DETECTION
AREA
(WIDE
ANGLE;
SET AT
FACTORY)**

COVERAGE

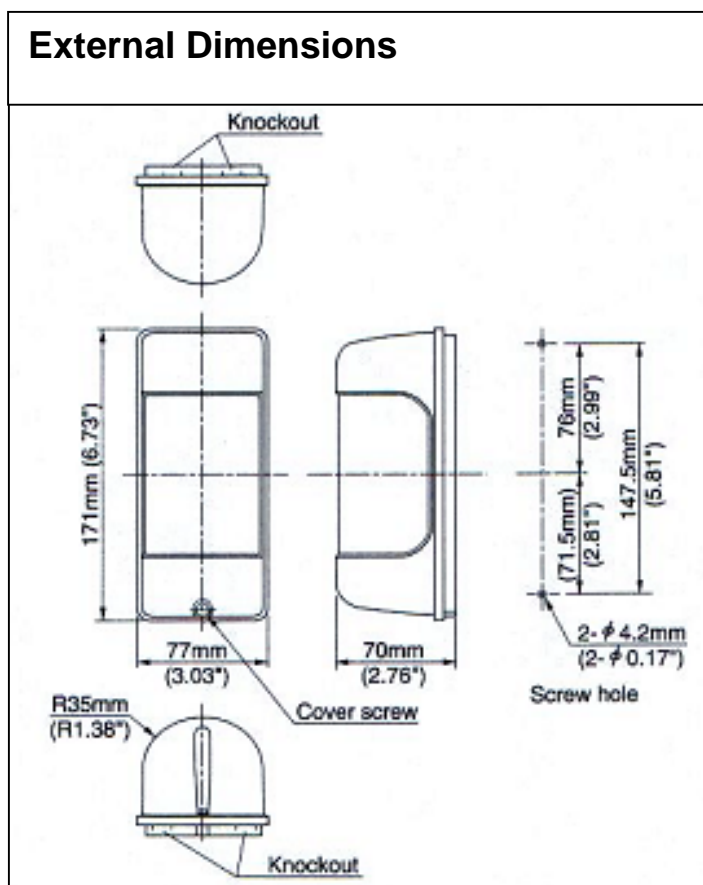
LENS

**LENS
SETTING**

Indoor / Outdoor Mounting Height 0.8m to 1.5m			Indoor / Outdoor Overhead Height 3m
Wide Angle Max. 10m	Curtain Max. 10m	Long Range Max. 20m	Curtain Max. 3m
Lens (Attached at Factory)		Lens for Long Range	Lens (Attached at Factory)
<p>● Install properly.</p> <p>Do not fail to set coverage to a lower angle than horizontal. (2, 4, 6.)</p>			<p>Do not install in a site which is subject to direct rainfall.</p>

Trouble Shooting – Analyse possible problems according to the following table		
Symptom	Possible cause	Solution
Inactive	1. No power 2. Warm up period 3. Obstructions in the coverage 4. Miss-alignment of coverage	1. Ensure correct & adequate supply voltage 2. Wait 1 minute after power is supplied 3. Remove obstructions 4. Re-adjust
Malfunction False Signal	1. Unstable Voltage 2. Something moving or rapid temperature variation in detection area 3. A large electric noise source is located nearby 4. Direct sunlight shining on unit 5. Detecting untargeted objects 6. Small animals	1. Stabilise voltage supply 2. Remove cause or change coverage. Turn the sensitivity down 3. Remove the problem or replace or replace the unit 4. Remove the problem or replace or replace the unit. Readjust the coverage Insert the attached filter 5. Readjust the coverage 6. Prevent small animals from coming in or readjust unit

Specifications	
Detection System	Passive Infrared
Coverage	Vertical position <ul style="list-style-type: none"> Wide Angle (Max. 10m) Curtain (Max 10m) Long Range (Max 20m) Horizontal position <ul style="list-style-type: none"> Vertical Curtain (Max 3m)
Adjustment Volumes	PIR Sensitivity <ul style="list-style-type: none"> Approx 30% (L) – Approx 170% (H) (100% Set at factory)
Ambient Temperature	-20oC to 50oC
Mounting Position	Vertical Installation <ul style="list-style-type: none"> Indoor / Outdoor Horizontal Installation <ul style="list-style-type: none"> Indoor
Operation LED	Light at the detection time + off delay
Operation Prohibition (Timer)	(1 Minute) Operation LED doesn't light when operation prohibition timer turns ON
Weight	220g
Appearance	Cover: PE resin (white) – Body: AES resin (white)



Warranty

Warning Limitations & Warranty

While this unit is an advanced design, it does not offer guaranteed protection against burglary, fire or any other emergency. Any alarm system, whether commercial or residential, is subject to compromise or failure to warn for a variety of reasons. For example:

- Intruders may gain access through unprotected openings, or have the technical sophistication to bypass an alarm detector or disconnect an alarm warning device.
- Intrusion detectors (e.g., passive infrared detectors), smoke detectors, and many other sensing devices will not work without power. Battery operated devices will not work without batteries, with dead batteries or if the batteries are not put in properly. Devices powered solely by AC will not work if their AC power supply is cut off for any reason, however briefly.
- Signals sent by wireless transmitters may be blocked or reflected by metal before they reach the alarm receiver. Even if the signal path has been recently checked during a weekly test, blockage can occur if a metal object is moved into the path. A user may not be able to reach a panic or emergency button quickly enough.
- Passive Infrared Motion Detectors can only detect intrusion within the designed ranges as diagrammed in their installation manual. Passive Infrared Detectors do not provide volumetric area protection. They do create multiple beams of protection, and intrusion can only be detected in unobstructed areas covered by the beams. They cannot detect motion or intrusion that takes place behind walls, ceilings, floors, closed doors, glass partitions, glass doors, or window. Mechanical tampering, masking, painting, or spraying of any material on the mirrors, windows or any part of the optical system can reduce their detection ability. Passive Infrared Detectors sense changes in temperature; however, as the ambient temperature of the protected area approaches the temperature range of 32°C to 65°C, the detection performance can decrease.
- Alarm warning devices such as sirens, bells or horns may not alert people or wake up sleepers who are located on the other side of closed or partly open doors. If warning devices sound on a different level of the residence from the bedrooms, then they are less likely to waken or alert people inside the bedrooms. Even persons who are awake may not hear the warning if the alarm is muffled by noise from a stereo, radio, air conditioner or other appliances, or by passing traffic. Finally, alarm warning devices, however loud, may not warn hearing-impaired people or waken deep sleepers.
- Even if the system responds to the emergency as intended, however, occupants may have insufficient time to protect themselves from the emergency situation. In the case of a monitored alarm system, authorities may not respond appropriately.
- This equipment, like other electrical devices, is subject to component failure. Even though this equipment is designed to last as long as 10 years, the electronic components could fail at any time.
- The most common cause of an alarm system not functioning when an intrusion or fire occurs is inadequate maintenance. This alarm system should be tested weekly to make sure all detectors are working properly.
- Installing an alarm system may make one eligible for lower insurance rates, but an alarm system is not a substitute for insurance. Homeowners, property owners and renters should continue to act prudently in protecting themselves and continue to insure their lives and property.

We continue to develop new and improved protection devices. Users of alarm systems owe it to themselves and their loved ones to learn about these developments.

LIMITED WARRANTY

Cornick Pty Ltd (ABN 74 001 621 610) (Seller), warrants its products to be in conformance with its own plans and specifications and to be free from defects in materials and workmanship under normal use and service for twelve months from the date of original purchase. Seller's obligation shall be limited to repairing or replacing, at its option, free of charge for materials or labor, any part which is proved not in compliance with Seller's specifications or proves defective in materials or workmanship under normal use and service. Seller shall have no obligation under this Limited Warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than Seller. For warranty service, return transportation prepaid, to 9 Hannabus Place McGraths Hill NSW 2756. Seller has no obligation to attend the buyer's location to retrieve the goods or make repairs onsite.

There are no warranties, expressed or implied, of merchant ability, or fitness for a particular purpose or otherwise, which extend beyond the description on the face hereof. In no case shall seller be liable to anyone for any consequential or incidental damages for breach of this or any other warranty, express or implied, or upon any other basis of liability whatsoever, even the loss or damage is caused by its own negligence or fault.

Seller does not represent that the products it sells may not be compromised or circumvented; that the products will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; or that the products will in all cases provide adequate warning or protection. Customer understands that a properly installed and maintained alarm system may only reduce the risk of a burglary, robbery, or fire without warning, but it is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result.

Consequently, seller shall have no liability for any personal injury; property damage or other loss based on a claim the product failed to give any warning. However, if seller is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, seller's maximum liability shall not in any case exceed the purchase price of the product, which shall be the complete and exclusive remedy against seller.

This warranty replaces any previous warranties and is the only warranty made by Seller on this product. No increase or alteration, written or verbal, of the obligations of this Limited Warranty is authorized.

NOTE: In addition to the warranty conditions, warranty will not be given where a product has been immersed in water under any circumstances, or where damage has been caused by hosing the main unit, without all due care taken by the owner to protect the main unit by covering with some sort of plastic sheeting.



PLEASE CUT OUT & RETURN THIS INFORMATION
WITHIN 14 DAYS OF PURCHASE TO:

RhinoCo Pty. Ltd.
9 Hannabus Place
McGraths Hill NSW 2756



PIRWOD Wireless Outdoor PIR Sensor Warranty Card

Name			
Address			
Suburb	State	Postcode	
Email			
Date of Purchase	Invoice Number		
Daytime Phone			
Where did you purchase your PIROWD?			
Store Location			
Who installed your PIROWD?			

This information will only be used by the manufacturer and will not be sold to any third parties.

Dear Customer,

We appreciate your confidence in our product, and you can be certain that we will do everything possible to ensure that you are happy with your decision and that you have years of satisfaction from your PIROWD.

We take extreme care in the research, design and development of our products to ensure they meet your needs. Additionally, we keep in close contact with our dealers Australia wide, and should any problem occur, we will work closely with your local dealer to see that it is resolved quickly.

As a leading designer and manufacturer, we are continually endeavouring to exceed the expectations of our customers. Furthermore, we appreciate your input regarding potential design improvements, issues regarding our service and support, and any other ideas you may have which could help us to serve you better.

Please make any comments you have here:



