

# RadioPlus PIR

Wireless 868MHz & 433MHz PIR's

## INSTALLATION INSTRUCTIONS



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## QUALITY ASSURANCE



Made In England



Certificate Number: FM 35285

## WARRANTY

1 year replacement warranty (excludes battery).

The RadioPlus PIR is designed to detect the movement of an intruder and activate an alarm control panel. As the RadioPlus PIR is not a complete alarm system, but only a part thereof, Texecom cannot accept responsibility or liability for any damages whatsoever based on a claim that the RadioPlus PIR failed to function correctly.

Due to our policy of continuous improvement Texecom reserves the right to change specification without prior notice. All specifications are measured at 20°C (68°F).

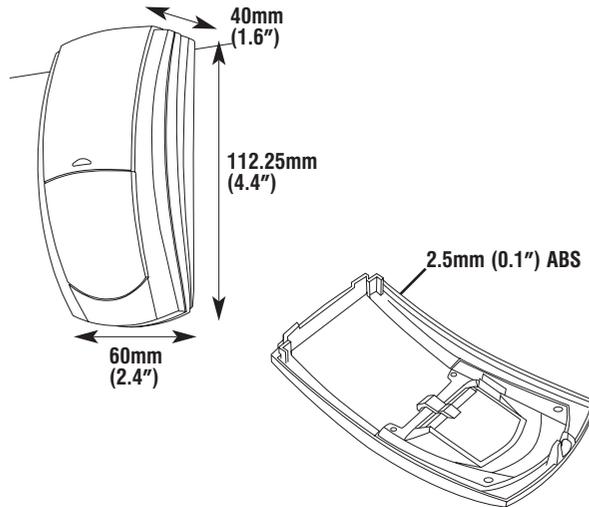
© 2005 Texecom Ltd. Document Ref: RPP/IR/EU/1.0  
The RadioPlus PIR is protected by UK & International Registered Designs. Registered Design No's: 3004997, 3004260 & 3004261. RadioPlus is a Trademark of Texecom Ltd.

## 5 TEST MODES

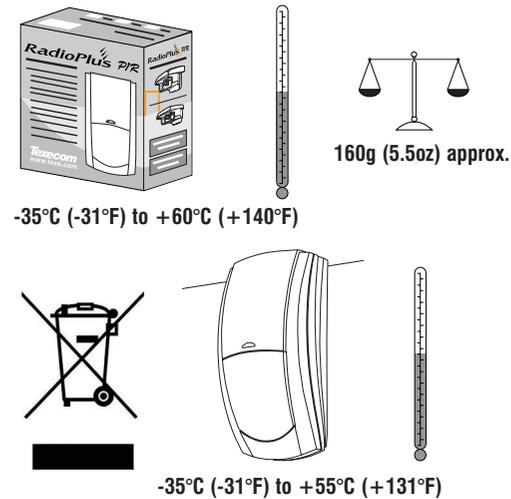
- Pressing the test button for less than 1 second (<1s) initiates 'Walk Test Mode'. This enables the LED to allow checking of the coverage area. The detector does not transmit detections.
- Pressing the test button for more than 2 seconds (>2s) instructs 'RF Test Mode', where the detector repeatedly transmits alarm signals to allow checking of RF signal strength.

Both test modes last for 1 minute.

## 1 PHYSICAL



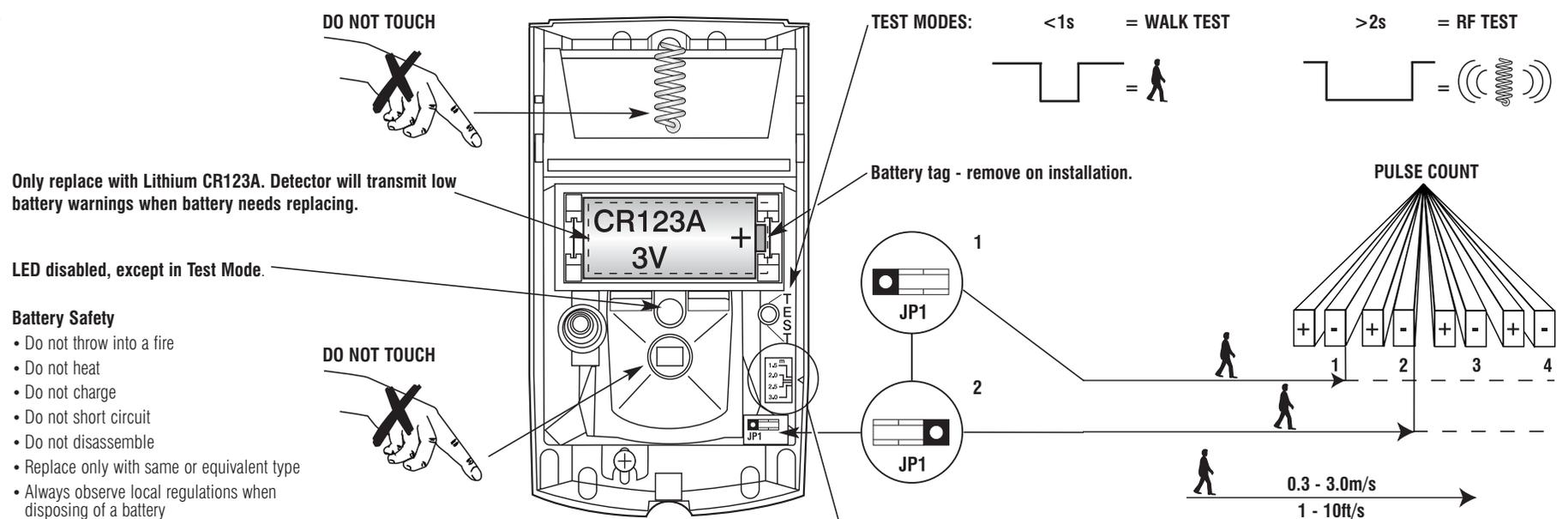
## 2 ENVIRONMENTAL



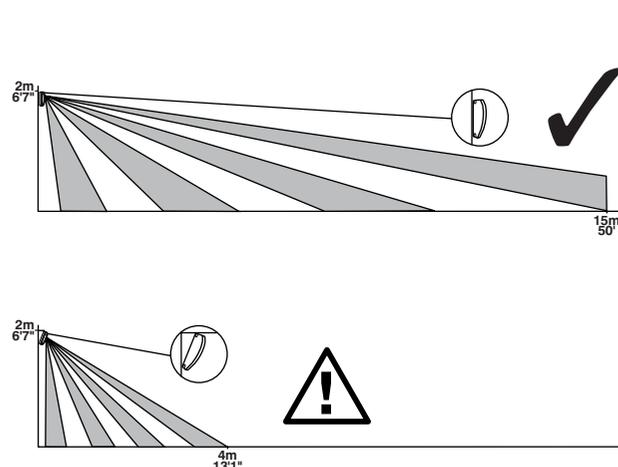
## 3 STANDARDS & APPROVALS

<b>Detector Standard:</b>	TS 50131-2-2 Grade 2 Environmental Class II.
<b>System Standard:</b>	Suggested use: within a BS EN 50131-1, PD6662 : 2004 Grade 2 system.
<b>Wireless Standard:</b>	Designed to comply with EN50131-5-3 : 2005.
<b>EMC:</b>	EN 300 489-1 : 2002. EN 300 489-3 : 2002. EN 50130-4 : 1995 + A1 : 1998 + A2 : 2003. Complies with BS EN 61000-4-3 : 2002.
<b>RF Immunity:</b>	No false alarms from 80MHz to 1GHz at 10V/m. Complies with BS EN 61000-4-3 : 2002.
<b>Electrostatic Discharge:</b>	No false alarms up to 8kV. Complies with BS EN 61000-4-2 : 1995.
<b>Fast Transient Immunity:</b>	No false alarms up to ±4kV. Complies with BS EN 61000-4-4 : 1995.
<b>High Energy Transient Immunity:</b>	No false alarms up to ±2kV. Complies with BS EN 61000-4-5 : 1995.
<b>Conducted RF Susceptibility:</b>	No false alarms at 10Vrms. Complies with BS EN 61000-4-6 : 1996.
<b>Conducted Emissions:</b>	Complies with EN 55022 Class B.
<b>Radiated Emissions:</b>	EN 300 220-1 : 2000. EN 300 220-3 : 2000. 868MHz & 433MHz options.

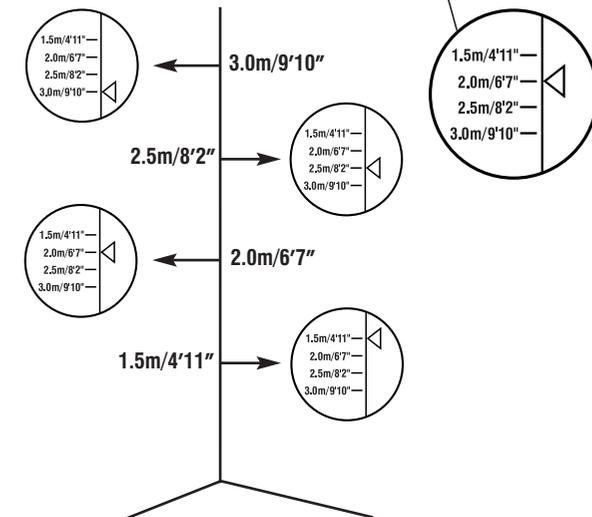
## 4



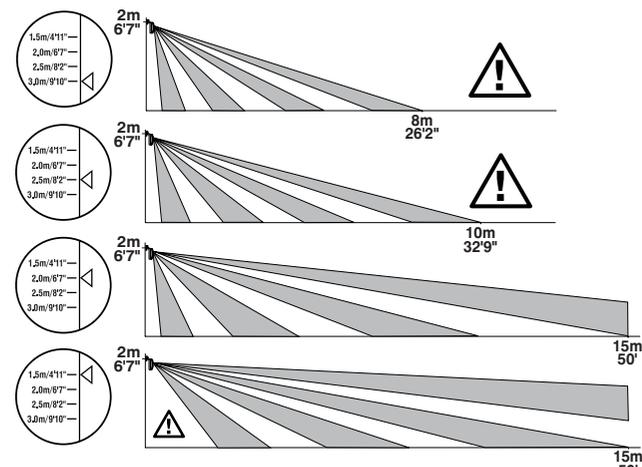
## 6 ANGLING THE DETECTOR



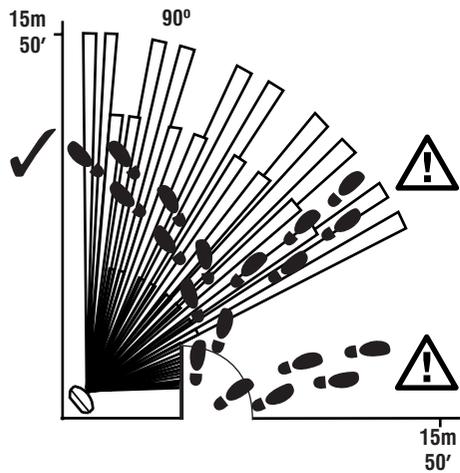
## 7 MOUNTING HEIGHT & SETTINGS



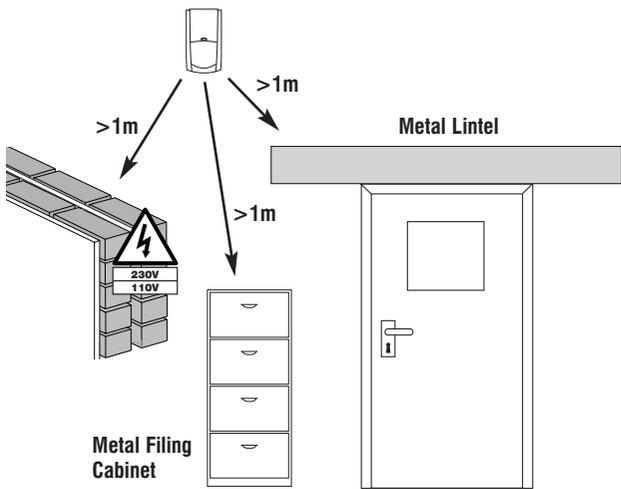
## 8 ALTERING COVERAGE AT 2m MOUNTING HEIGHT



## 9 COVERAGE & PICK-UP

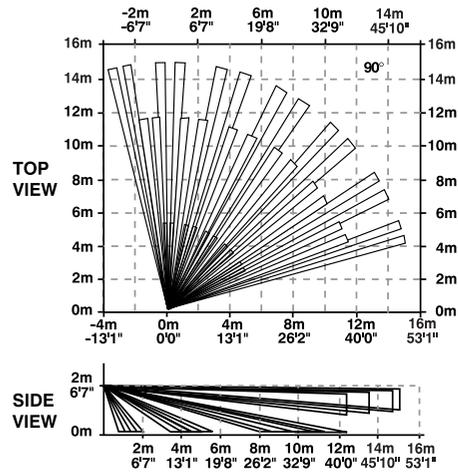


Do not install close to large metal objects or mains wiring



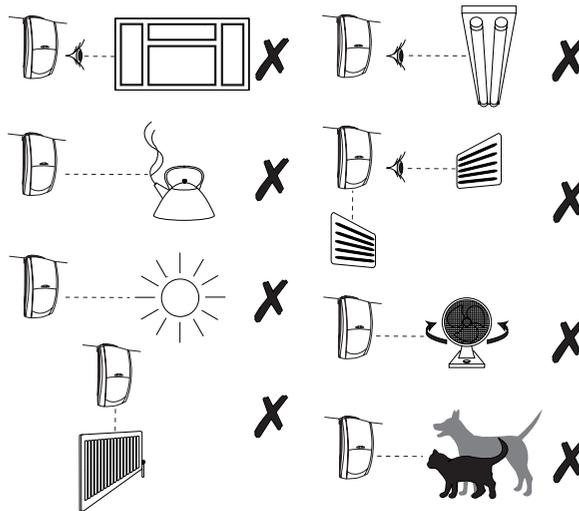
## 10 COVERAGE PATTERN

Volumetric



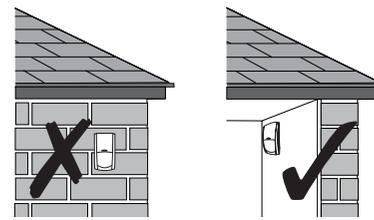
See Mounting Height Diagram (Section 7)

Avoid common false alarm sources

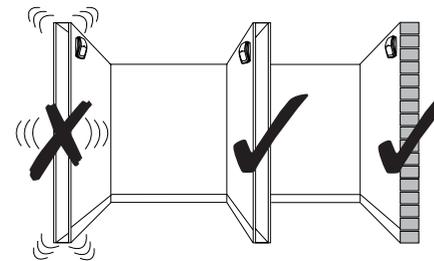


## 11 MOUNTING

For indoor use only

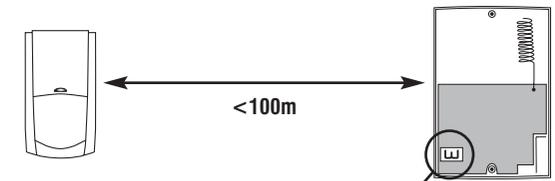


Mount on a stable surface



## 12 CHOOSING A LOCATION

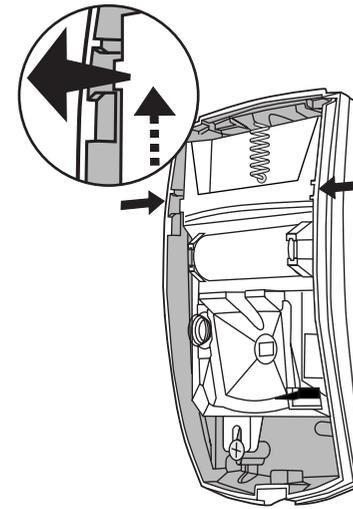
Maximum range is 100m line of sight, walls and furniture will reduce this.



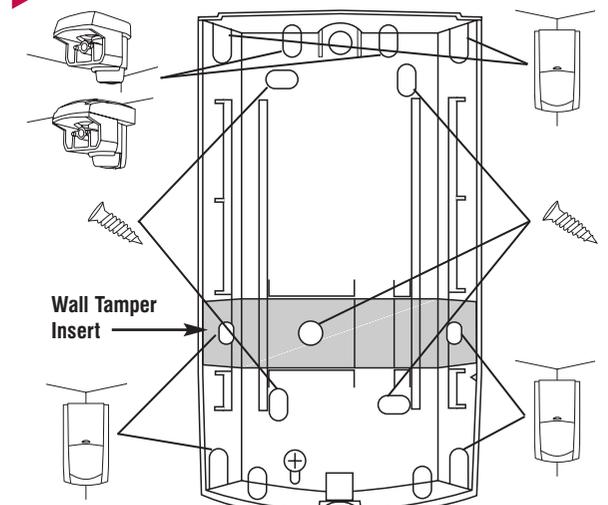
Before fixing PIR in place ensure received signal is greater than 3 (>3). See RadioPlus Intelligent Receiver installation instructions for more details.

## 13 HOW TO REMOVE THE CHASSIS

Remove chassis before mounting the detector

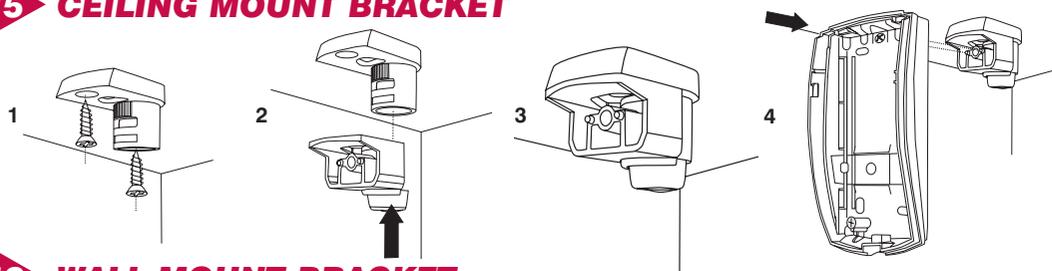


## 14 DETECTOR KNOCKOUTS

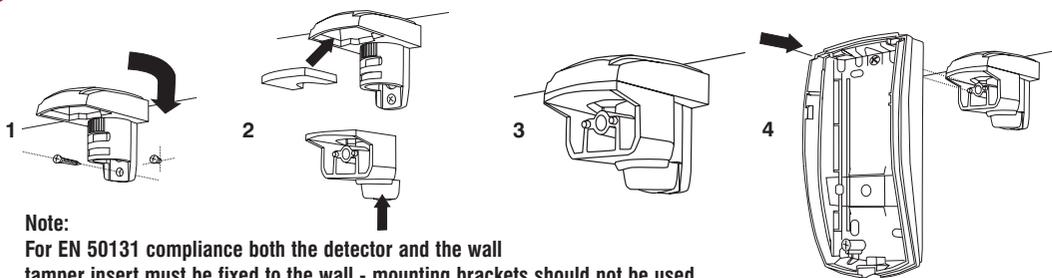


For rear/wall tamper - fix both the detector AND the wall tamper insert to the wall.

## 15 CEILING MOUNT BRACKET



## 16 WALL MOUNT BRACKET



Note:  
For EN 50131 compliance both the detector and the wall tamper insert must be fixed to the wall - mounting brackets should not be used.

## 17 WIRELESS OPERATION

- Each detector has its own unique factory pre-set identification code, selected from over 16 million combinations.
- The LED is disabled to increase battery life (except in test modes).
- The detectors send approximately 12 'supervision' (monitoring) signals every 30 minutes.
- After a valid alarm transmission the detector will not transmit an alarm again until there has been no movement for 2 mins. This increases battery life when the system is unset and there are people in the building.
- The detector will transmit a battery low warning when there is just over one month's capacity remaining. The battery should be replaced at this time.