

Installation Manual

Premier External TD

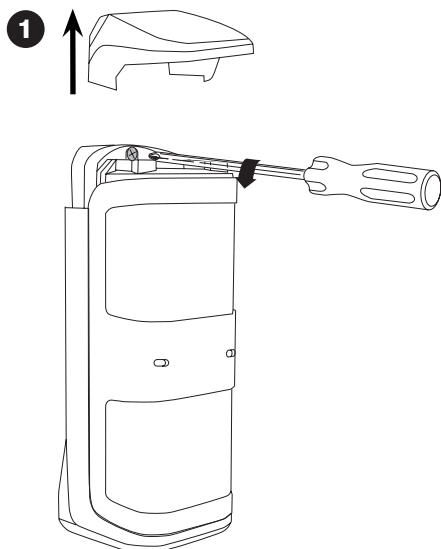
INS352-5



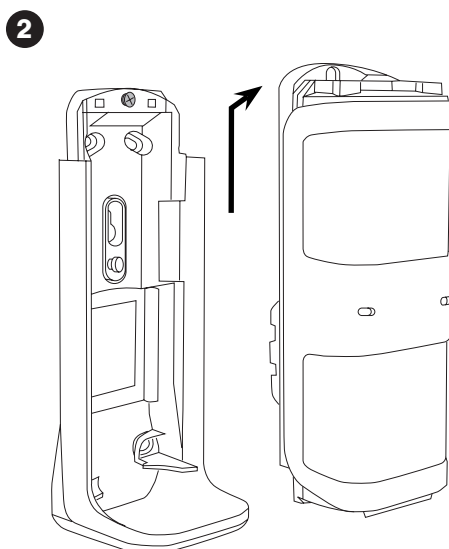
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Texecom

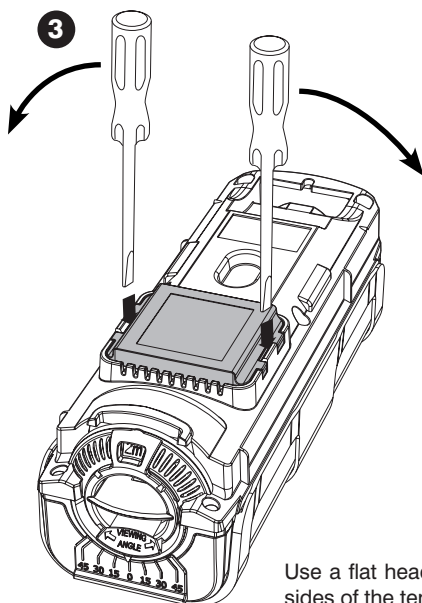
1. Accessing the Unit



Remove the top cap and loosen screw (screw retained in wall plate).



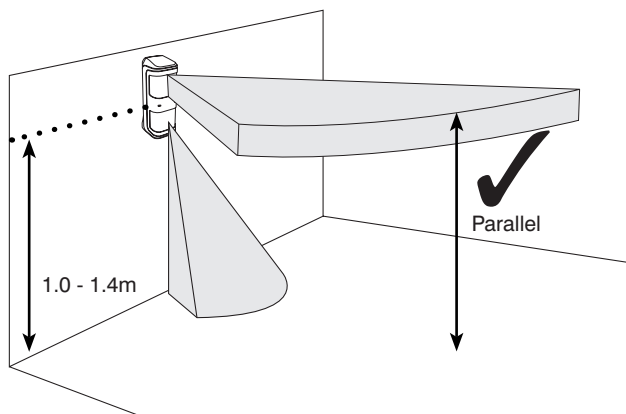
Push up head unit and remove.



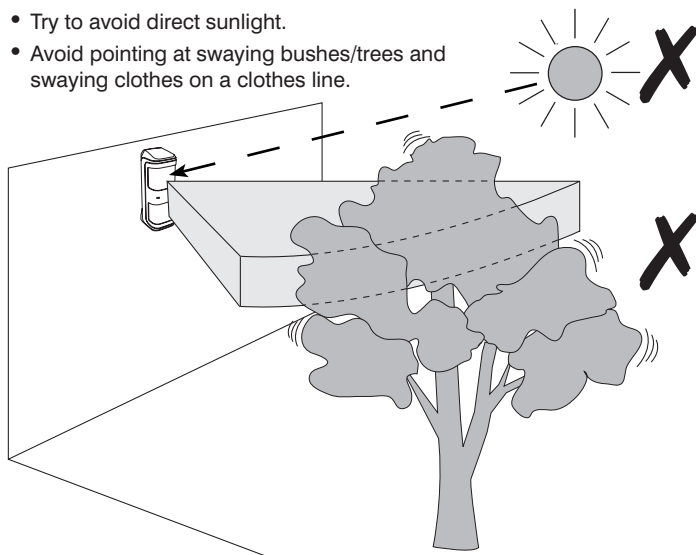
Use a flat head screwdriver to lever out both sides of the terminal cover as shown.

2. Choosing a Location

- Mounting height 1.0 - 1.4m (nominal 1.2m), measured to middle of unit.
- Mount perpendicular to ground.

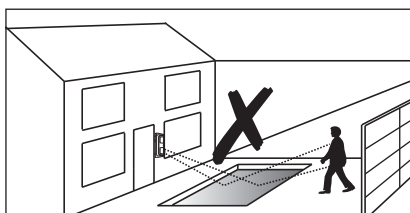


- Try to avoid direct sunlight.
- Avoid pointing at swaying bushes/trees and swaying clothes on a clothes line.



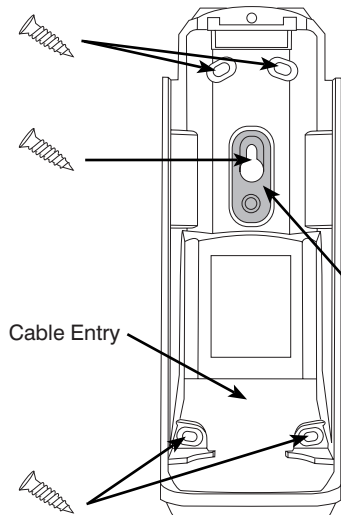
- Try to install the detector so its detection area is terminated by building/fences etc. This will reduce the effect of range variation caused by environmental changes.

- In the detection area try to avoid reflective surfaces such as standing water, swimming pools or polished floors as this can cause the detectors range or coverage to vary as reflected signals may be seen.



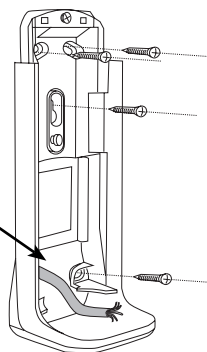
3. Mounting the Unit

Front View



WALL MOUNTING

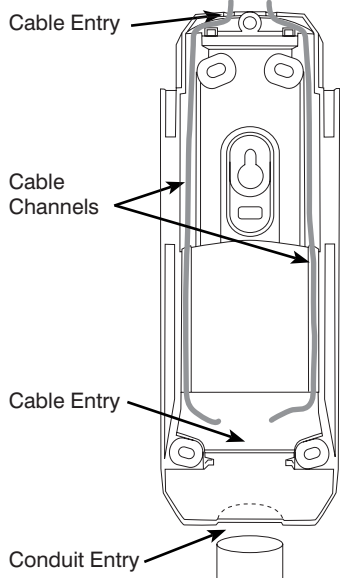
For wall mounting, the cable should be brought through the wall into the cable entry hole.



REAR TAMPER

To enable the rear tamper, the breakaway keyhole section must be securely fixed to the mounting surface.

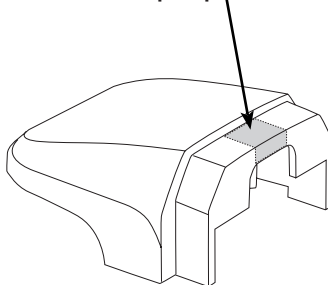
Rear View



SURFACE WIRING

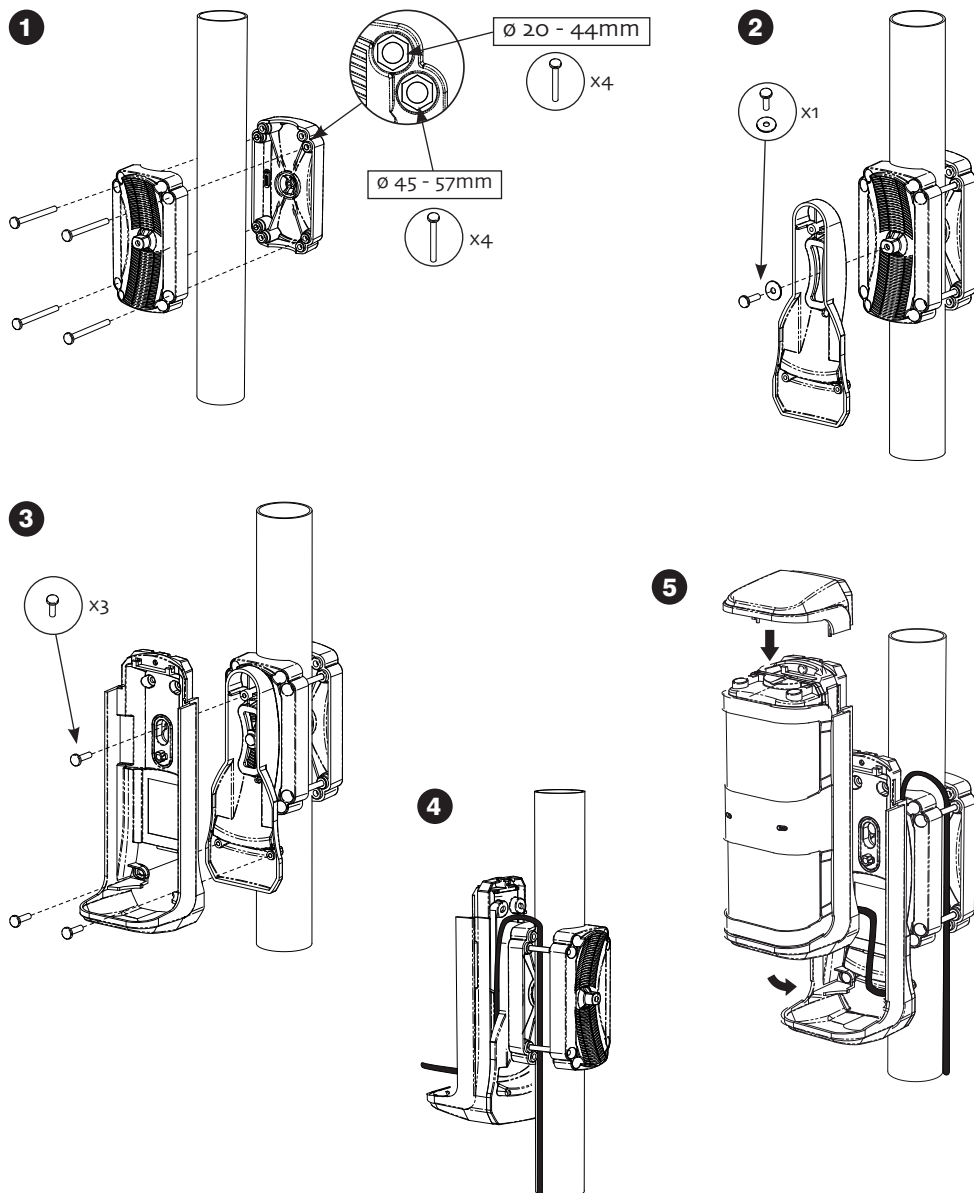
For surface wiring, use the appropriate knockout in the top or bottom of the unit. If wiring from the top, use the knockouts in the top cap and run the cable down the cable channels and into the unit as shown.

Knockout in Top Cap

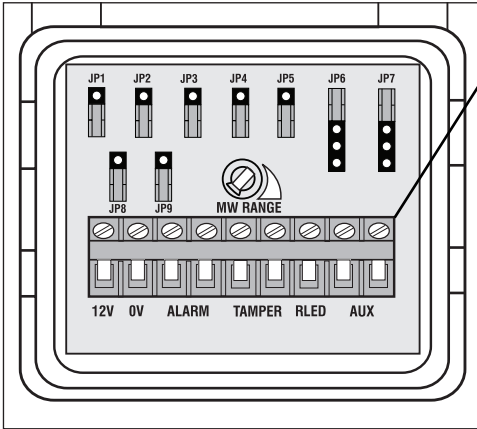


POLE MOUNTING

Using the pole mount kit (available separately) the unit can be mounted on poles with an outside diameter of 20 - 57mm. Assemble the kit around the pole as shown and tighten the 4 bolts. Hook the detector wall plate onto the kit and secure the remaining 2 bolts through the lower mounting holes.



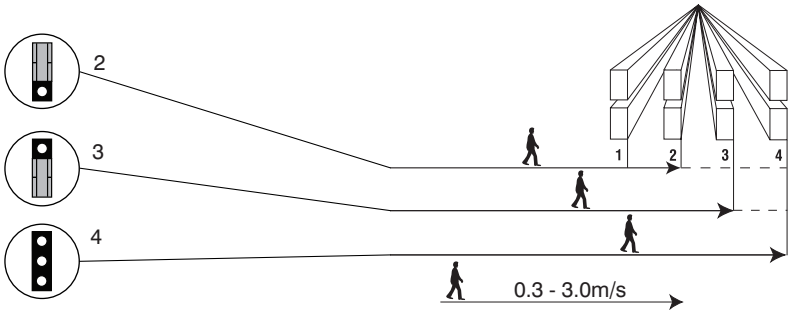
4. Wiring the Unit



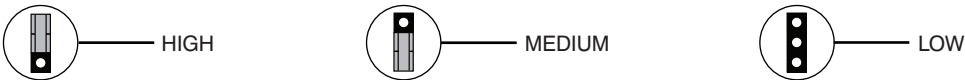
TERMINAL BLOCK	
12V & 0V:	9-16 V _{DC} .
ALARM:	NO/NC (selectable) relay output. 18 Ω, 50V _{DC} , 100mA Max.
TAMPER:	NC Relay output. 18 Ω, 50V _{DC} , 100mA Max.
RLED:	0V: LED off. 12V or No Connection: LED on.
AUX:	NC relay input.

NC = Normally Closed, NO = Normally Open

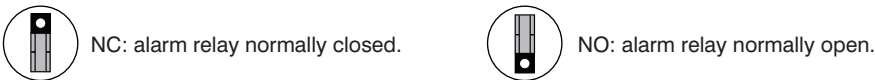
JP1: Pulse Count



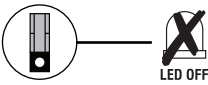
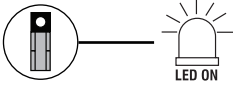
JP2: Sensitivity



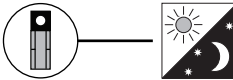
JP3: Alarm



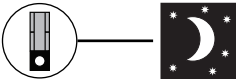
JP4: LED



JP5: MODE

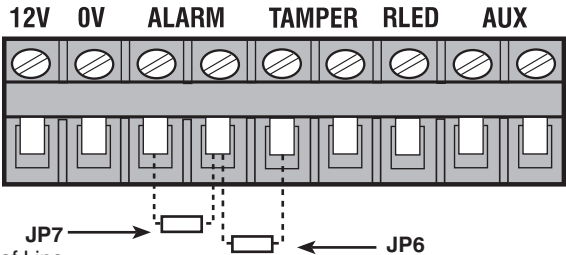


Day/Night Mode
Detector is always operating.



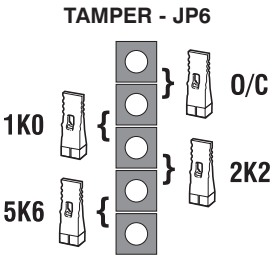
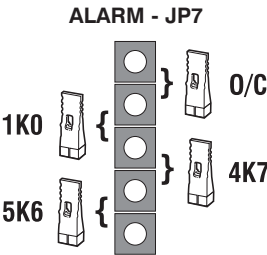
Night Mode
Detector only operates at night.

JP6 & JP7: END OF LINE JUMPERS



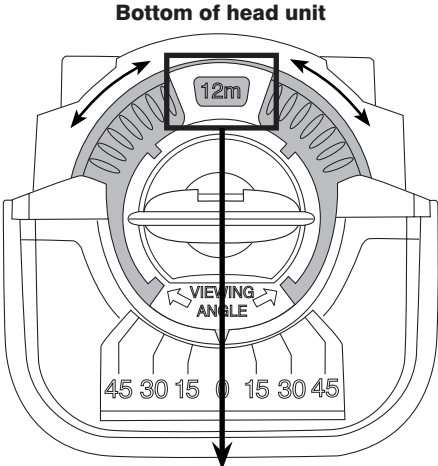
Selects the End-of-Line resistance. Equivalent to wiring a resistor of the selected value as shown.

Selects the resistance across the alarm relay. Equivalent to wiring a resistor of the selected value as shown.

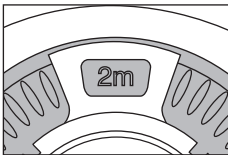
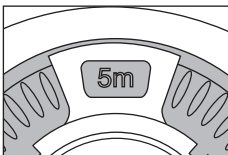
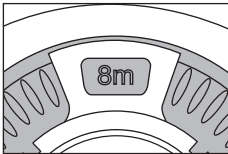
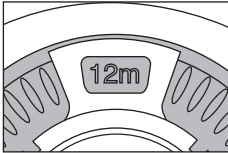


JP8 & JP9: see Auxiliary section (page 9)

5. Range Adjustment - PIR



Selected Range

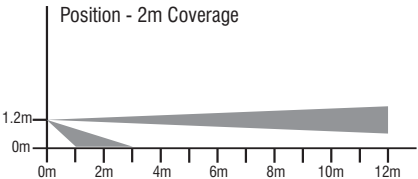
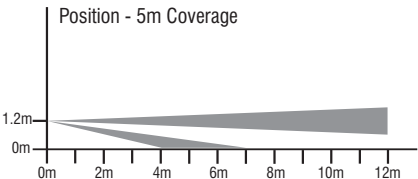
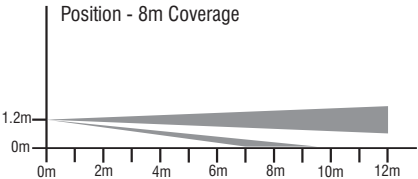
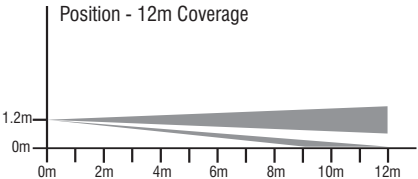


To adjust the range of the detector, rotate the circular section shown until the desired range is shown in the window.

Note: Range can vary due to environmental conditions. To reduce the risk of false alarms always select the lowest range possible for the installation.

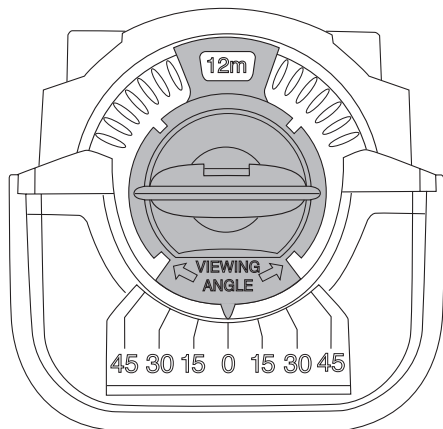
Specified ranges are valid for nominal 1.2m mounting height.

Side View

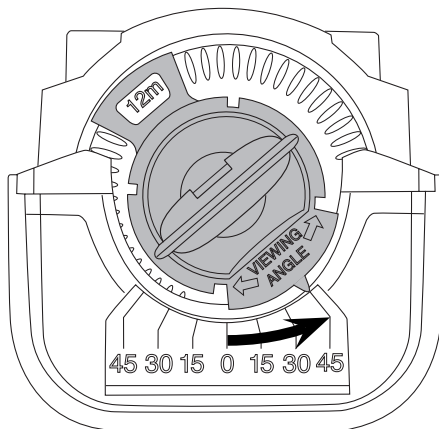


6. Coverage Area

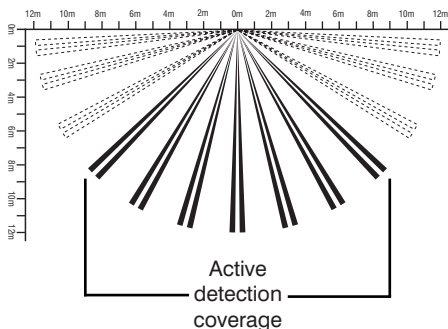
Bottom of head unit



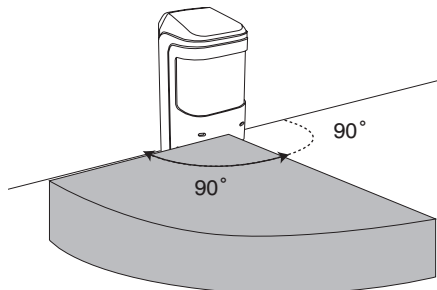
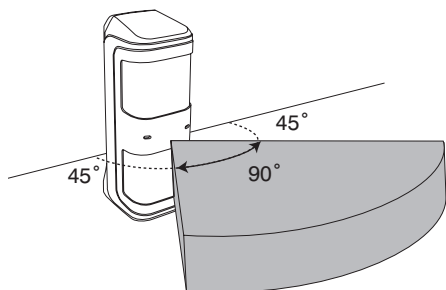
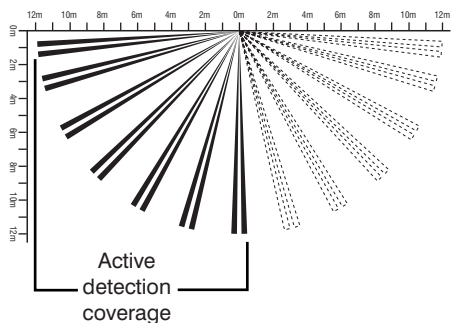
Bottom of head unit



Top View



Top View



Walk-testing

With the range, sensitivity, coverage and pulse count set as desired, enable the LEDs and walk-through the area of protection. Confirm the LEDs light and alarm relay activates.

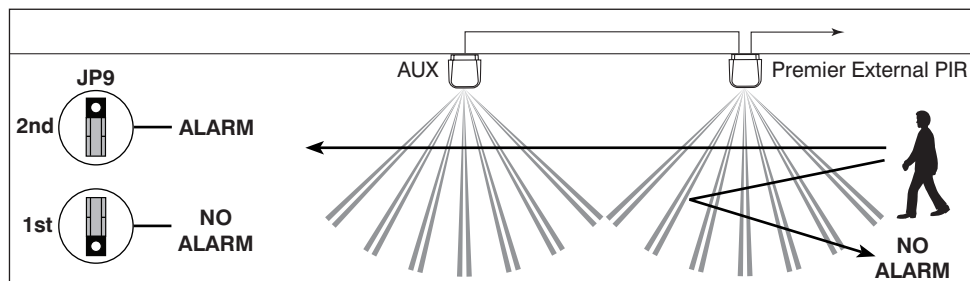
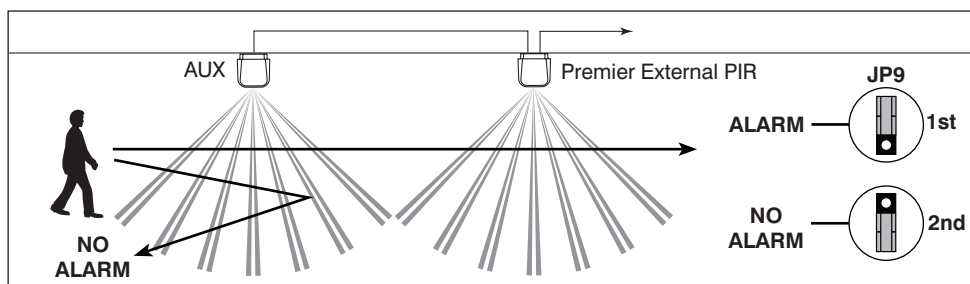
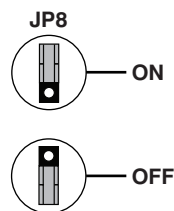
7. Auxiliary Input

With the Auxiliary input enabled (JP8), a second detector with a normally closed relay output can be connected to the Premier External detector to give directional detection. The order of activation required to give an alarm signal is set by the direction jumper (JP9).

When this is set to '1st' the auxiliary detector must be activated first followed by the Premier External detector within 1 minute to give a valid alarm signal.

With the jumper set to 2nd, the Premier External detector must be activated first followed by the auxiliary detector within 1 minute.

If directional detection is not required, disable the auxiliary input using JP8.



Regulatory Information

Supplier: Texcom Ltd, St. Crispin Way, Haslingden, Lancashire, BB4 4PW, UK.

WEEE Directive: Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

RoHS Directive: RoHS Compliant. Hereby, Texcom declares that this device does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) in more than the percentage specified by EU directive, except exemptions stated in EU directive annex.

CE Directive: Hereby, Texcom declares that this device is in compliance with the essential requirements and other relevant provisions of Directive.



Maintenance: Test yearly by the installer

Warranty: 2 year replacement warranty

Security grade: EN Grade 2 **Environmental class:** Class IV

Disclaimer: The Premier External TD is not a complete alarm system, but only its part. Therefore Texcom does not accept any responsibility or liability for any damage that is claimed to be a result of an incorrect functioning of the Premier External TD detector. Texcom reserves the right to change the specification without a prior notice.



Certificate Number: FM 35285

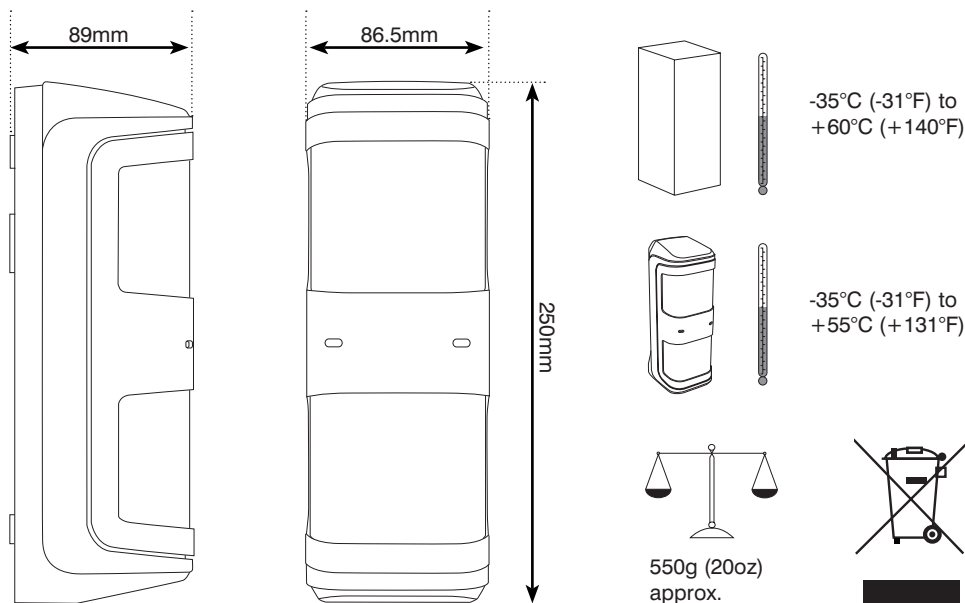
MADE IN ENGLAND

The Premier External detector is protected by UK & International Designs.
Premier is a Trademark of Texcom Ltd.

8. Specifications

Mounting Height:	1.0 - 1.4m, 1.2m nominal
Supply Voltage:	9-16 Vdc
Current Drain (typical):	28mA
Detection Method:	Dual, non-overlapping, digital PIR
Range:	12m max. Adjustable to 8m, 5m and 2m
Alarm Output:	NC/NO selectable relay. Rated 50Vdc, 100mA, 18Ω
Tamper Detection:	Wall and case. Sealed non-mechanical switch.
Tamper Output:	NC relay. Rated 50Vdc, 100mA, 18Ω
LED Indication:	Red alarm indication
Environmental Protection:	IP65
Waterproof Coating:	Conformal
EMC:	EN 50130-4: 1996, A1 1998, A2 2002. EN 55022: Class B

9. Physical Specifications



Texecom

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(Calls charged at 3.36 pence per minute from a BT landline. Calls from other networks may vary.)

International Customers Tel: +44 1278 686197

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