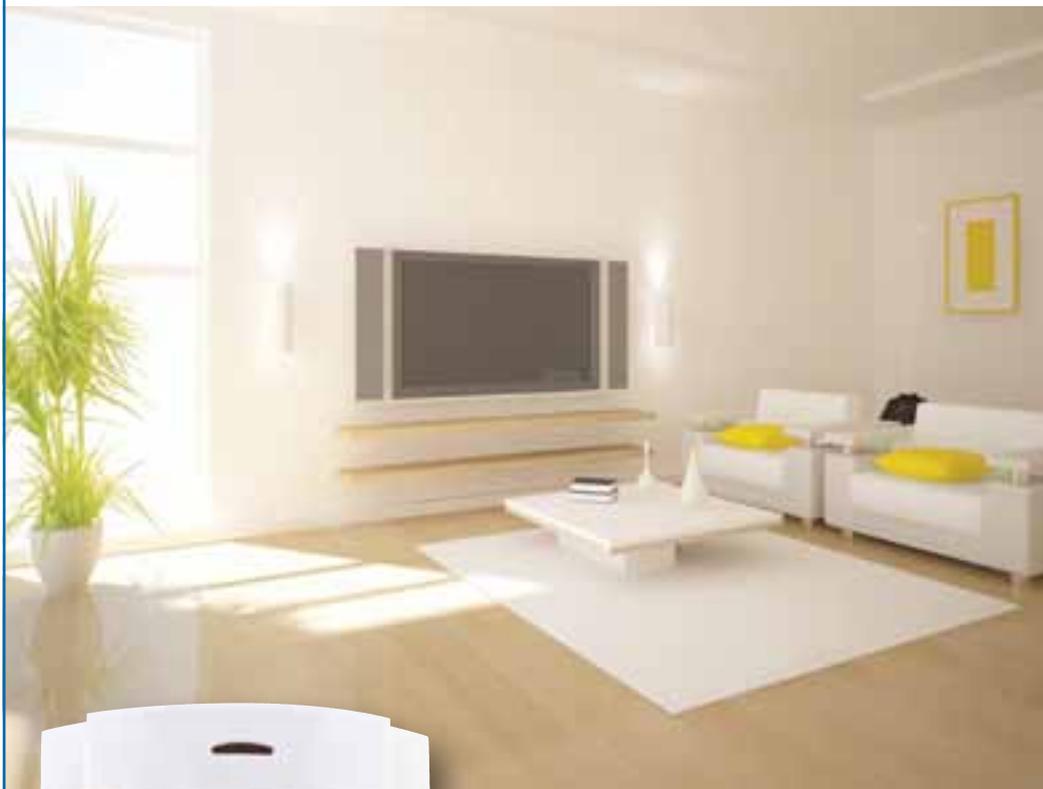# Premier Compact Series

Commercial Grade Detection for Residential Applications

Professional Miniature PIRs

Texecom's Premier Compact detectors are designed to provide optimum performance levels in any type of residential environment.

A variety of detection technologies ensure there is a Premier Compact model to overcome even the most challenging installation.

Texecom
Designed to Perform

Commercial Grade Detection for Residential Applications

For over two decades Texecom's motion detectors have been providing exceptional reliability and detection performance to protect the lives and livelihoods of people the world over. With over 10 million installations in over 85 countries, our motion detectors continue to deliver outstanding performance time and again. Well known by security professionals, our security systems are used to protect some of the most famous people and institutions around the world.

At Texecom, we strive to provide the ultimate in security products by investing in the latest technologies, the most talented people and manufacturing excellence to achieve this goal, every day. Our continued investment in Research and Development has meant we are now able to offer commercial grade detection technology for residential applications because we believe everyone deserves to feel safe and secure.

Premier Compact detectors are:

• Based on the extensive knowledge and experience gained in designing PIRs for over two decades

• Residential detectors with commercial grade features

• Sealed optics, temperature compensation, mounting height alignment, EOL resistors and selectable pulse count as standard across the range

Premier Compact Series

Premier Compact XT
Digital PIR

Premier Compact QD
Digital Quad PIR

Premier Compact PW
Digital Pet PIR

Premier Compact IR
Cost Effective PIR

Cold Climates

When temperatures drop below freezing, detectors are prone to false alarming due to other types of heat sources (e.g. sunlight) being mistaken for a genuine intrusion. This can be avoided with digital temperature compensation as it continually alters the detectors sensitivity level to match the environment, avoiding unnecessary time and costs involved with false alarms.

Suggested Products: XT, QD, PW

Suggested Products: XT, QD, PW

Warm Climates

In warm climates where there may not be much difference between ambient room temperature and body temperature standard PIRs may result in an intruder going undetected as the detector may not be able distinguish between the two heat sources. With digital temperature compensation Premier Compact detectors are designed to adjust and optimise its sensitivity level when the room temperature rises above 25°C to ensure intruders are detected.

Homes with Pets

One of the most common causes of false alarms in homes is caused by pets. The Premier Compact PW provides pet immunity for pets up to 35Kg ensuring your home is always protected and false alarms avoided.

Suggested Product: PW

Suggested Product: IR

Cost Effective Installations

For homes in non-hostile environments where the ambient room temperature doesn't generally rise above 25°C, the Premier Compact IR is the perfect choice - a highly reliable and cost effective PIR with a host of exceptional features.
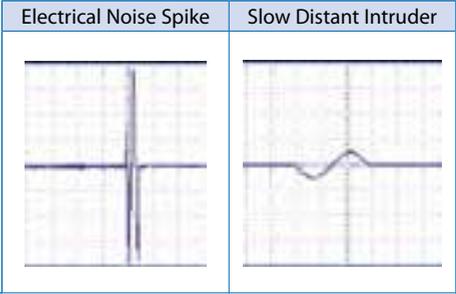
Advantages of Digital Signal Processing (XT, QD, PW)

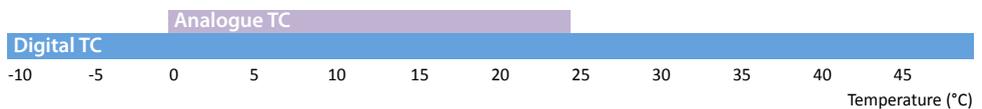### Advanced Digital Signal Processing Algorithms

- Intelligently analyses the environment to determine genuine intrusion situations.

- Actively rejects electrical noise and other potential false alarm sources whilst ensuring excellent catch performance.

- Significantly improves pickup of slow moving or distant intruders.

	Electrical Noise Spike	Slow Distant Intruder
Conventional Detector	False Alarm	Missed Detection
Digital Detector	No False Alarm	Detects

Digital Temperature Compensation

- Automatically adjusts the detector's sensitivity when the ambient room temperature gradually rises due to central heating coming on in the morning or sunlight warming up the room.

- Digital temperature compensation also ensures the detector's sensitivity is optimised when the ambient room temperature rises to a level similar to external human body temperature (35°C to 37°C) – superior catch performance in any environment.

Analogue TC											
Digital TC											
-10	-5	0	5	10	15	20	25	30	35	40	45

Temperature (°C)

Automatic Sensitivity Adjustment

- Filters out background disturbances by automatically adjusting the detector's sensitivity according to its environment.
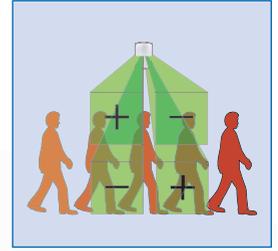
Active White Light Rejection

- Measures light levels in the room and actively rejects any sources of white light (e.g. car headlights, direct sunlight, flashlights).

Anti-jarring

- Eliminates false alarms caused by sudden shocks to the detector triggering electrical signals.
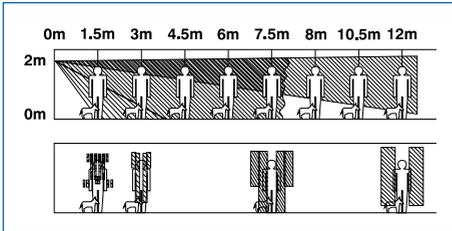
Digital Quad Sensing Technology (QD)

- Quad Element Pyro (4 sensing elements)
- Both upper and lower zones need to be activated to sound the alarm
- Better false alarm immunity

Pet Immunity (PW)

- Provides pet immunity for pets up to 35Kg without desensitising the detector at lower detection levels.
- Texecom's proprietary HOTLens™ technology, based around diffractive structures, can not only focus infrared, it can also filter and shape detection zones. This "beam-shaping" allows the optical system to be tuned so that it is more sensitive to humans and less sensitive to animals.
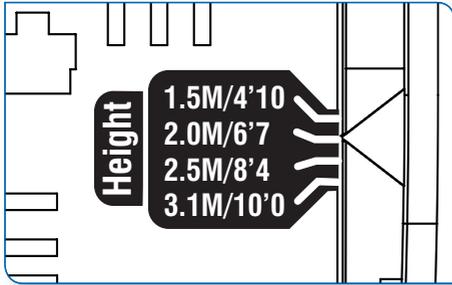
Analogue Detectors (IR)

- Suitable for non-hostile environments
- Ambient temperature < 25°C
- Highly reliable
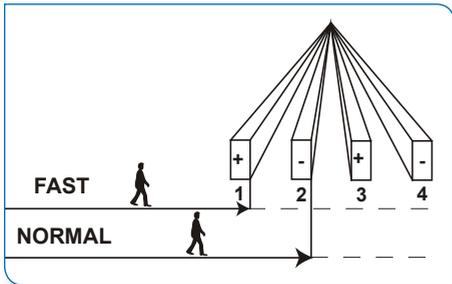- Cost effective

Excellence as Standard

Mounting Height Alignment

Suitable for varying types of rooms and buildings: achieves optimum coverage pattern when mounted anywhere between 1.5m & 3.1m.

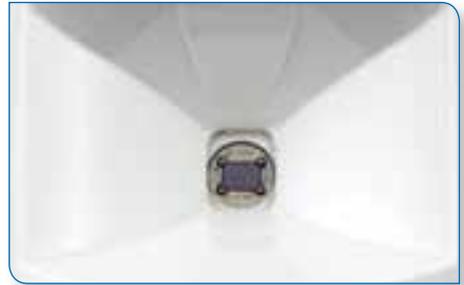| Panel Support	Texecom	Cooper	Honeywell	Pyronix/ Risco Gardtec	DSC
Alarm EOL	4K7	4K7	1K	6K8	5K6
Tamper EOL	2K2	2K2	1K	4K7	5K6

EOL Resistors

EOL resistors allow the panel to recognise a tamper signal for each zone using fewer cores of cable.

Selectable Pulse Count

The sensitivity of the detector can be adjusted to match the installation environment providing better detection accuracy and consequently better false alarm immunity.

Sealed Optics

Prevents dust and insects from entering the sensor optics, eliminating potential false alarms.
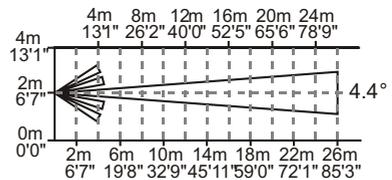

Brackets

Tamper proof wall and ceiling brackets with/ without cable feed-through available separately in packs of 10.
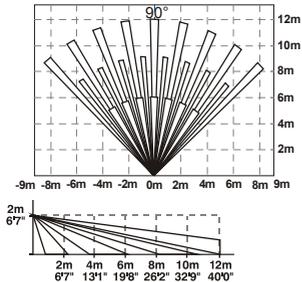

Interchangeable Lens Library

Curtain lens and long range lens options available separately in packs of 10.
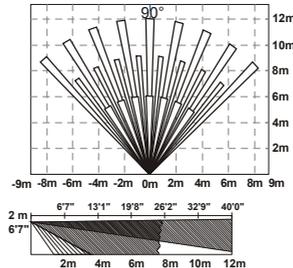
Specifications

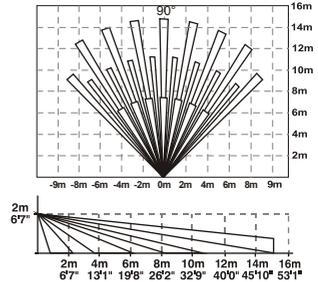|	
Input Power	9 VDC to 15 VDC (15 VDC nominal @ 10.6 mA) Power rating 0.16 W
Peak to Peak Ripple	2 V (at 12 VDC)
Detector Start-up Time	60 seconds
Normal Current Consumption (mA)	max. 8.7
Current Consumption in Alarm (mA)	max. 7.5
Max Current Consumption (mA)	max. 10.6
Mounting Height	Compact IR, XT & QD Min. 1.5 m (4.1 ft), Max. 3.1 m (10 ft.) Compact PW Min. 1.5 m (4.1 ft) Max. 2.3 m (7.5 ft.)
Pet Immunity (Compact PW)	Pulse Count 1 Up to <20kg/44lbs Pulse Count 2 Up to <35kg/77lbs
Target Speed Range	30 cm/s to 3 m/s (1 ft/s to 10 ft/s)
Alarm Relay	< 24 V 50 mA (NC) max. 34 Ω resistive load
Tamper Relay	< 24 V 50 mA (NC)
Alarm Time	> 2 seconds
Operating Temperature	-10˚C to +55˚C (14˚F to 130˚F)
Dimensions (HxWxD)	95 mm x 63 mm x 40.5 mm
Relative Humidity	Max. 95%
Weight	73 g
Power Supply	Rated 94HB

Coverage Patterns

Premier Compact IR

Premier Compact PW

Premier Compact XT/QD

Features & Functions

Detectors	Premier C.IR	Premier C.XT	Premier C.QD	Premier C.PW
Detection Range (m/ft)	12/40	15/50	15/50	12/40
Temperature Compensation	•	Digital	Digital	Digital
Pulse Count	•	Digital	Digital	Digital
Microprocessor Technology		•	•	•
Mounting Height Alignment	•	•	•	•
Sealed Optics	•	•	•	•
Miniature Housing	•	•	•	•
Pet Immunity				•
EN 50131-1	G2	G2	G2	G2
EN 50131-2-2	G2	G2	G2	G2

Texecom

Designed to Perform