

Reflex

BEST SELLING PIR



THANK YOU FOR VOTING TEXECOM



Discover exceptional reliability with the *Reflex* passive infrared detector from Texecom. With proven success in more than 3 million installations, the *Reflex* has been further enhanced through the use of advanced surface mount technology. Additional filtering and suppression combined with intelligent temperature compensation reinforce the fact that no other detector can match the overall specification of the *Reflex*.

Outstanding features include:

- ✓ SURFACE MOUNT TECHNOLOGY (SMT)
- ✓ FULL COMPLIANCE WITH EN 50130-4
- ✓ IMPROVED TEMPERATURE COMPENSATION PROFILE
- ✓ PATENTED TAMPER-PROOF MOUNTING BRACKETS
- ✓ CHOICE OF FOUR MOUNTING OPTIONS
- ✓ INTERCHANGEABLE LENS LIBRARY
- ✓ ADJUSTABLE MOUNTING HEIGHT
- ✓ 50V/m RF IMMUNITY
- ✓ SEALED OPTICS
- ✓ 104° COVERAGE

Ask your distributor today for the new Texecom 28 page full colour Product Guide.

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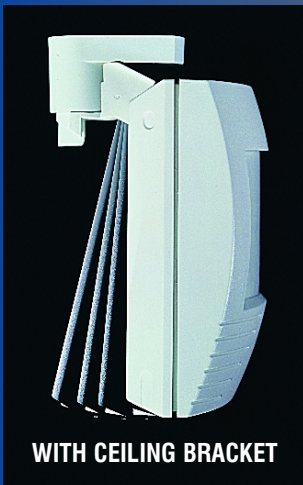


The *Reflex* comes equipped with sealed optics as standard.

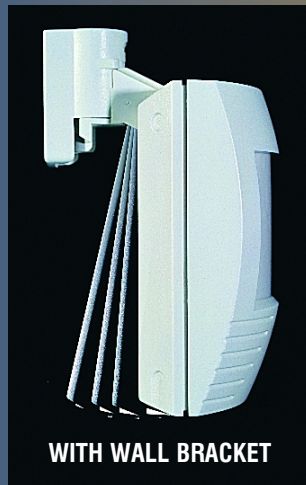
Now with advanced surface mount technology combined with additional filtering and suppression, the *Reflex* exceeds industry standards by over 500%. Full compliance with EN 50130-4 has been independently verified for total peace of mind.

Patented tamper-proof brackets provide two extra mounting options, enabling precise angle adjustment and make installation simple in any location.

No other detector can match the overall specification of the *Reflex*.



WITH CEILING BRACKET



WITH WALL BRACKET

BEST MANUFACTURER 2000 & 1999 INTRUDER ALARM MANUFACTURER OF THE YEAR 2001 & 2000

- 1st For offering the best quality products at the right prices
- 1st For reliability & responsiveness
- 1st For excellence in customer care & service
- 1st For providing a high level of support & servicing including training & help lines

ELECTRICAL

Voltage 9 - 16V_{DC}.

Current 10mA typical at 12V_{DC}.

Maximum Ripple 2V_{pp} at 12V_{DC} (50 - 120Hz sinusoidal).

Alarm Output Normally closed (failsafe) voltage free relay contacts. Rated at 24V_{DC}, 50mA protected by 18Ω series resistor.

Tamper Output Normally closed voltage free switch contacts. Rated at 24V_{DC}, 50mA.

Alarm Period 2 - 3 seconds typical.

Walk Test LED Internal link to enable/disable.

Detection Method Passive infrared.

Pyro-electric Detector Dual element, low noise.

ENVIRONMENTAL

Operating Temperature -10°C (+14°F) to +55°C (+131°F).

Temperature Tolerance No false alarm up to 1.7°C/minute (3°F/minute).

Maximum Humidity 95% non-condensing.

Storage Temperature -20°C (-4°F) to +60°C (+140°F).

EMC Environment Residential/Commercial/Light Industrial and Industrial.

FALSE ALARM PROTECTION

Design Noise reduction circuits with maximum ground plane.

RF Immunity No false alarm from 80MHz to 1GHz at 50V/m, equivalent to a 700W uniform transmitter at 3m (10ft).

Complies with EN 61000-4-3 : 1997.

Electrostatic Discharge

No false alarm up to ±8kV. Complies with EN 61000-4-2 : 1995.

Fast Transient Immunity

No false alarm up to ±1kV. Complies with EN 61000-4-4 : 1995.

High Energy Transient Immunity

No false alarm up to ±1kV. Complies with EN 61000-4-5 : 1995.

Conducted RF Susceptibility

No false alarm at 10V_{rms}. Complies with EN 61000-4-6 : 1996.

Conducted Emissions Complies with EN 55022 Class B.

Radiated Emissions Complies with EN 55022 Class B.

EMC Independently certified to EN 50130-4 : 1996.

Pulse Count Internal link to select.

PHYSICAL

Mounting

Corner or wall mount (without mounting bracket). Optional ceiling and wall mount brackets supplied as standard with adjustment range ±30° horizontal, -30° vertical. Mounting height up to 3.1m (10'0").

Casing 2.5mm (0.1") wall thickness in flame retardant ABS.

Dimensions 90mm x 63mm x 40mm (3.6" x 2.5" x 1.6").

Packed Weight 125g (4.5oz) approx.

Colour Designer white with super-white lens.

COVERAGE

Volumetric (standard) 12m (40ft) range; 24 facets with look-down creep zones; 104° coverage producing a maximum width of 18.9m (62ft).

Pet 12m (40ft) range; 11 facets; 104° coverage producing a maximum width of 18.9m (62ft).

Curtain 12m (40ft) range; 11 facets; 6° coverage producing a maximum width of 1.3m (4ft).

Long Range 33.5m (110ft) range; 11 facets with look-down creep zones; 8° coverage producing a maximum width of 1.6m (5ft).

EUROPEAN STANDARDS

Conforms to European Union (EU) Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC (amended by 92/31/EEC and 93/68/EEC).

Approved to BS EN 55022 Class B and BS EN 50130-4 : 1996.

The CE mark indicates that this product complies with the European requirements for safety, health, environmental and customer protection.

