

Rf360

DIGITAL CEILING MOUNT QUAD PIR



THANK YOU FOR VOTING TEXECOM



See the complete picture. The *Rf360* from Texecom features an omni-directional quad element pyro for true 360° pickup. Advanced digital design ensures maximum false alarm immunity in all environmental conditions, yet still maintains optimum catch performance. With an exceptional specification, the *Rf360* can clearly be seen as the only choice for all round protection.

Advantages of the *Rf360* include:

- ✓ OMNI-DIRECTIONAL QUAD ELEMENT PYRO FOR TRUE 360° COVERAGE
- ✓ 200V/m IMMUNITY TO MOBILE PHONES
- ✓ 70V/m RF IMMUNITY
- ✓ DIGITAL TEMPERATURE COMPENSATION
- ✓ NEURAL BASED ENVIRONMENT LEARNING
- ✓ DIGITAL SIGNAL PROCESSING
- ✓ FIRST TO ALARM INDICATION
- ✓ REMOTE LED DISABLE
- ✓ SEALED OPTICS
- ✓ LATCH INPUT

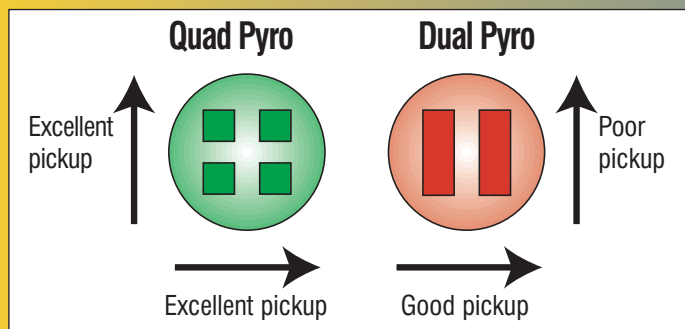
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OMNI-DIRECTIONAL QUAD PYRO

The *Rf360* features an omni-directional true quad element pyro for optimum pickup regardless of which path an intruder takes.

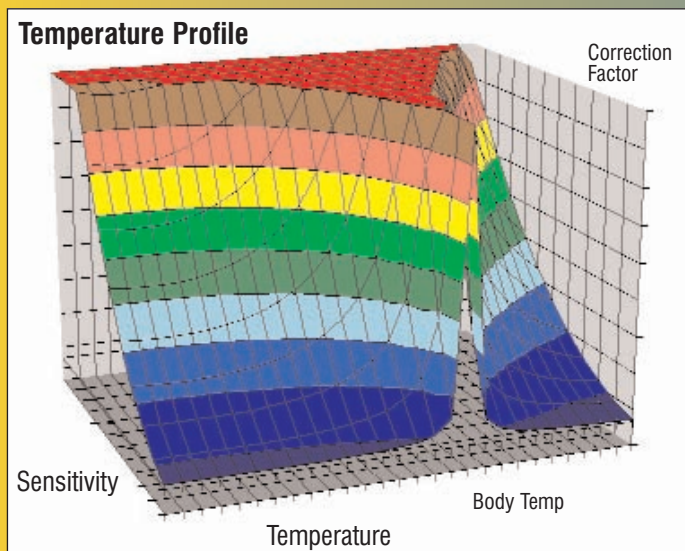
Other ceiling mount detectors normally use a standard dual element pyro. These are only suitable for use in wall mounted PIRs where most of the movement will be across the face of the detector. When dual element pyros are used in ceiling mount detectors catch performance can decrease because sensitivity is extremely dependent on the direction of an intruder.



DIGITAL SIGNAL PROCESSING

At the heart of the *Rf360* lies an advanced microprocessor. **Neural based environment learning** provides the detector with real intelligence and enables it to continually monitor the installation. The signal processing adjusts automatically to ensure optimum catch performance yet still maintains maximum false alarm immunity.

The **digital temperature compensation** technique employed within the *Rf360* ensures that the **Fuzzy Logic** signature algorithms most suited to that particular environment are employed. **If the environment changes then so do the signal processing algorithms.** This technique, unique to Texecom, ensures superb performance *even in the hottest of climates.*



Rf360

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SPECIFICATION

ELECTRICAL

Voltage 9 - 16Vdc.

Current 16mA typical at 12Vdc.

Maximum Ripple 2Vpp at 12Vdc (50 - 120Hz sinusoidal).

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

Tamper Output Normally closed voltage free switch contacts. Rated at 24Vdc, 50mA.

Alarm Period 2 - 3 seconds typical.

Walk Test LED Internal link to enable/disable.

Remote LED Disable Switched input between 0V and 12Vdc (16V max).

Latch Input Switched input between 0V and 12Vdc (16V max).

Detection Method Passive Infrared.

Pyro-electric Detector True quad element, low noise.

ENVIRONMENTAL

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

Temperature Compensation Microprocessor controlled digital temperature compensation.

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 Fuzzy Logic signal analysis. Neural based environment learning. Noise reduction circuits.

RF Immunity No false alarms at 200V/m due to digital telephone disturbances tested to DD ENV 50204 : 1996, at 900MHz; No false alarms from 80MHz to 1GHz at 70V/m modulated, equivalent to a 1400W 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 ±4kV. Complies with BS EN 61000-4-4 : 1995.

High Energy Transient Immunity

No false alarm up to ±2kV. Complies with BS EN 61000-4-5 : 1995.

Conducted RF Susceptibility No false alarm up to 10Vrms. Complies with BS EN 61000-4-6 : 1996.

Conducted Emissions Complies with EN 55022 Class B.

Radiated Emissions Complies with EN 55022 Class B.

Pulse Count Multi-mode Pulse Count. Internal link to select.

PHYSICAL

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

Dimensions 113mm diameter x 30mm (4.4" x 1.2").

Packed Weight 125g (4.5oz) approx.

Colour Designer white with super-white lens.

COVERAGE

Directionality Omni-directional true 360° coverage.

Lens Facets 31 lens facets, each with a 4 element zone projection.

Coverage Angle 112° conical.

Protection Area 7.0m (23ft) diameter when mounted at 2.4m (8ft). 10.5m (35ft) diameter when mounted at 3.6m (12ft).

EUROPEAN STANDARDS

Conforms to European Union (EU) Electro-Magnetic Compatibility (EMC) Directive 89/336/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.

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



Certificate Number: FM 35285



Rf360 EU3