

# Mirage Quad

**GENUINE QUAD ELEMENT DETECTION**



**THANK YOU FOR VOTING TEXECOM**



Discover exceptional false alarm immunity with the *Mirage Quad*™ from Texecom. Genuine quad element detection combined with advanced surface mount technology consistently deliver unrivalled stability and reliability even in the most hostile environments.

## **Outstanding features include:**

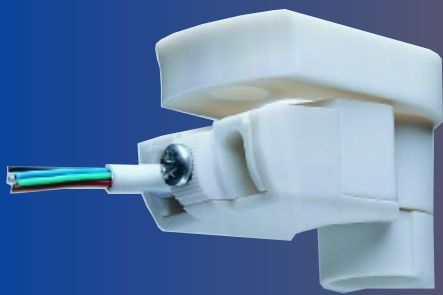
- ✓ **GENUINE QUAD ELEMENT DETECTION**
- ✓ **INTELLIGENT TEMPERATURE COMPENSATION**
- ✓ **50V/m ADVANCED RF PROTECTION UP TO 1GHz**
- ✓ **INTRUDER CONFIRMATION CIRCUITRY (ICC™)**
- ✓ **PATENTED TAMPER-PROOF BRACKETS WITH CABLE FEED-THROUGH**
- ✓ **FULL COMPLIANCE WITH EN 50130-4**
- ✓ **SURFACE MOUNT TECHNOLOGY (SMT)**
- ✓ **INTERCHANGEABLE LENS LIBRARY**
- ✓ **SELECTABLE PULSE COUNT**
- ✓ **SEALED OPTICS**

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

Exclusive worldwide patents.  
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## TAMPER-PROOF BRACKETS



Tamper-proof ceiling bracket with cable feed-through



Tamper-proof wall bracket with cable feed-through

Patented tamper-proof brackets provide two extra mounting options, enable precise angle adjustment and make installation simple in any location. All wiring can be entirely concealed within the bracket housing ensuring a fully tamper-proof installation.

**Mirage** - the next generation of motion detectors.



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

**Mirage Quad**

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## SPECIFICATION

### ELECTRICAL

**Voltage** 9 - 16Vdc.

**Current** 10mA typical at 12Vdc.

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

**Alarm Output** Normally closed (failsafe) voltage free relay contacts. Rated at 24Vdc, 10mA 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.

**Detection Method** Passive infrared.

**Pyro-electric Detector** Quad element, ultra low noise.

### ENVIRONMENTAL

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

**Temperature Compensation** Automatic.

**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 or Industrial.

### FALSE ALARM PROTECTION

**Design** Noise reduction circuits with maximum ground plane.

**Electrostatic Discharge** No false alarm up to 8kV.

Complies with BS EN 61000-4-2 : 1995.

**Radiated RF Immunity** No false alarm from 50kHz to 1GHz at 50V/m. Complies with BS EN 61000-4-3 : 1996 10V/m 80% AM at 1kHz and BS EN 50130-4 : 1996 10V/m 100% pulse modulation at 1Hz.

**Fast Transient Immunity** No false alarm at 4kV.

Complies with BS EN 61000-4-4 : 1995.

**High Energy Transient Immunity** No false alarm up to 1kV.

Complies with BS EN 61000-4-4 : 1995.

**Radiated Emissions** Complies with BS EN 55022 : 1995 Class B.

**Conducted RF Immunity** No false alarm from 150kHz to 100MHz. Complies with BS EN 61000-4-6 : 1996 10Vrms 80% AM at 1kHz and BS EN 50130-4 : 1996 10V/m 100% pulse modulation at 1Hz.

**Pulse Count** Internal link to select.

**EMC** Exceeds the requirements of BS EN 50130-4 : 1996.

**White Light Rejection** Super-white lens.

### PHYSICAL

**Mounting** Corner or wall (without mounting bracket). Optional ceiling and wall mount brackets supplied as standard with adjustment range ±30° horizontal, -30° vertical. Mounting height up to 4.1m (13'6").

**Casing** 2.5mm (0.1") wall thickness in flame retardant ABS. Designer white with super-white lens.

**Dimensions** 116mm x 66mm x 41mm (4.6" x 2.6" x 1.6").

**Packed Weight** 180g (6oz) approx.

### 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; 6° 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 & 93/68/EEC).

Approved to BS EN 55022 Class B, BS EN 50130-4 : 1996 & ETS 300683.

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



Certificate Number: FM 35285

EASEM

BSIA



M.O. EU2