

# **Mirage** DT Petwise

## Pet Immune Dual Technology Detector

Advanced PIR optics and award-winning microwave design make the Mirage DT Petwise a superior dual technology detector. Reliably ignoring animals up to 100lbs (45kg) yet maintaining excellent catch performance, the Mirage DT Petwise provides a higher level of pet immunity.

### Outstanding Features

- Patented 3D Holographic Optical Technology
- Full Compliance With EN 50130-4
- Latch & FTA (First To Alarm) Indication
- Fully Adjustable Microwave Range
- Digital Temperature Compensation
- Patented Tamper-proof Brackets With Cable Feed-through
- 100lbs (45kg) Animal Immunity
- 1.5m - 3.1m Adjustable Mounting Height
- Digital Signal Processing
- 3 LED Indication



**Texecom**  
Designed to Perform



## Holographic Optical Technology (HOTLens™)



Recent developments in laser technology have made it possible for Texecom to develop a system of optics based around diffractive structures. This award-winning technology can actually filter and shape the 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.

As the HOTLens is diffractive (as opposed to refractive) only IR is focussed onto the pyro-electric sensor. This dramatically reduces the chance of false alarms due to sunlight, car headlights, spurious heat sources etc.

## Award-Winning Design



The Mirage DT Petwise features award winning microwave and PIR technologies providing immunity to animals up to 100lbs (45kg). An advanced PCB antenna gives improved microwave pickup and a clearly defined detection area. To further aid installation the microwave range is fully adjustable allowing precise coverage set-up.

At the heart of the Mirage DT Petwise lies an advanced microprocessor. Neural based environment learning provides the detector with real intelligence, continually monitoring the installation and adjusting detection criteria to ensure optimum catch performance while maintaining maximum false alarm immunity.

### Mirage DT PetWise Specifications

Range:	12m (40 feet), 104° volumetric coverage
Supply Voltage:	9 - 16Vdc
Current Consumption:	20mA typical at 12Vdc
Alarm Output:	Normally closed (failsafe) voltage free relay contacts. Rated at 24VDC, 50mA protected by 18Ω series resistor
Dimensions:	116mm x 66mm x 41mm
Packed Weight:	190g (7oz) approx.
EMC:	Independently certified to EN50130-4 : 1996
Design:	Noise reduction circuits with maximum ground plane
RF Immunity:	No false alarms from 80MHz to 1GHz at 50V/m modulated

### European Standards

EMC: 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.

PD 6662 & EN 50131 Grade 2 Environmental Class II.

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

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UK Registered Design Number 2036936, 2036937, 2036938.

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Certificate Number: FM 35285



A20090507