

# DT-7235TEU



## DUAL TEC® Pet-Immune Motion Sensor

The DT-7235TEU DUAL TEC® Motion Sensor provides reliable protection with pet immunity for up to 45 kg in a simple installation configuration that requires no adjustments. Optimum performance is achieved using K-Band microwave technology and Uniform Sensitivity Optics.

## Features

- **Reliable Detection with 45 kg Animal Immunity**

By combining Uniform Sensitivity Optics with the advantages offered by K-Band technology, the DT-7235TEU sensor gives installers the best of both worlds – quality detection and the ability to ignore pets or other animals up to 45 kg.

- **Fast and Simple Installation without Adjustments**

No adjustments are necessary.

Installers simply mount the unit at the recommended height, conduct a brief walk-test and the sensor is ready. A highly visible, single colored LED helps the installer easily identify range from any distance or angle within the pattern.

- **Superb Detection through K-Band Technology**

K-Band microwave technology delivers sharp detection without holes or weak spots. The custom made source offers pattern shaping to fill the protected area with a broad, balloon-shaped pattern which matches the PIR pattern. It also offers pattern containment to reduce the penetration of microwave energy through walls.

- **Uniform Sensitivity Optics**

The custom-designed Fresnel lens provides the same sensitivity for human targets at the edge of the pattern as exists directly in front of the sensor, giving the DT-7235TEU consistent coverage throughout the protected area.

- **Microwave Adaptive Threshold**

Using a patented microwave adaption circuit, the DT-7235TEU automatically adjusts its thresholds to account for room disturbances such as ceiling fans and other repetitive moving objects which are not an intrusion event. The result – excellent false alarm immunity even in “active” rooms.

- **Microwave Supervision**

Independent circuitry supervises the microwave against failure.

# DT-7235TEU

## DUAL TEC® Pet-Immune Motion Sensor

Specifications	
Range	11m x 11m
Alarm Relay	Energized Form A 500 mA, 30V dc
Mounting Height	2.3m optimal
Tamper	(NC) 50mA, 24V dc
Power Requirements	7.5 – 16V dc 25 mA AC Ripple: 3V peak-to-peak at 12V dc nominal
Frequencies	24.125GHz (K-Band)
PIR White Light Immunity	6,500 Lux typical
RFI Immunity	30V/m, 10MHz – 1000MHz
Operating Temperature	-10° to 55° C
Relative Humidity	5% – 95% relative humidity (non-condensing)
Self-test Intervals	Microwave supervision: Continuous
PIR Fields of View	22 long range edges, 12 intermediate edges, 6 lower edges, 4 look-down edges
Dimensions	11.9cm x 7.1cm x 4.2cm
Sensitivity	2-4 steps within field of view

### Ordering:

#### DT-7235TEU

DUAL TEC Pet-Immune Motion Sensor

### Accessories:

#### SMB10

Universal White Swivel Mount Bracket (5 pack)

#### SMB10C

Universal White Ceiling Mount Bracket (5 pack)

#### SMB10T

Tampered Universal White Swivel Mount Bracket (5 pack)

### Honeywell Security & Custom Electronics

Network 121

1446 WV Purmerend

The Netherlands

Tel : +31 (0) 299-410200

Fax : +31 (0) 299-410201

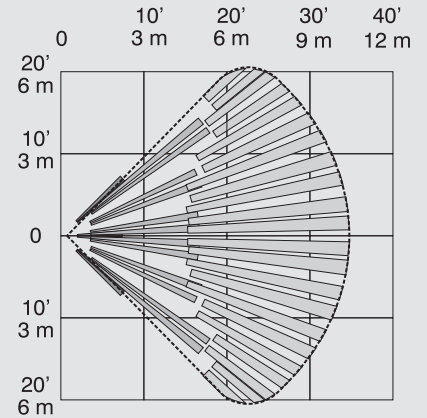
[www.honeywell.com/security/nl](http://www.honeywell.com/security/nl)

HSCE-DT7235TEU-01-ENX(0107)DS-C  
January 2007

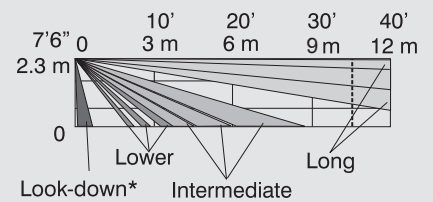
© 2007 Honeywell International Inc.

### Detection patterns:

#### ● Top View



#### ● Side View



\* Look-down fingers are enabled only when the look-down mask is removed.

# Honeywell