

DT7225

Alarms SPECIFICATION SHEET



**Dual Technology
Motion Sensors**

PIR & MICROWAVE DETECTION

The **DT-7225** motion sensor provides reliable protection in a simple installation configuration that requires no adjustments. Optimum performance is achieved using K-Band microwave technology and Uniform Sensitivity Optics.

TECHNICAL SPECIFICATIONS

Range	7.6 x 9m
Alarm Relay	Energized Form A, 500 mA, 30VDC
Frequencies	24.125 GHz (K-band)
PIR White Light Immunity	6,500 Lux typical
RFI Immunity	30 V/m, 10 MHz-1000 MHz
Operating Temperature	-10° to 55°C; 5% - 95% relative humidity (non-condensing)
Dimensions	119 x 71 x 42mm
Sensitivity	2-4 steps within field of view

Power Requirements

- 7.5 - 16 VDC, 25mA
- (8.9 - 14.5 VDC for UL installations)
- AC Ripple: 3 V peak-to-peak at 12 VDC nominal

PIR Fields of View

- 22 long range edges
- 6 lower edges
- 12 intermediate edges
- 4 look-down edges

Accessories

- SMB-10 Swivel Mount Bracket
- SMB-10C Ceiling Mount Bracket

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-7225** consistent coverage throughout the protected area.

Microwave Adaptive Threshold

Using a patented microwave adaption circuit, the **DT-7225** 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.

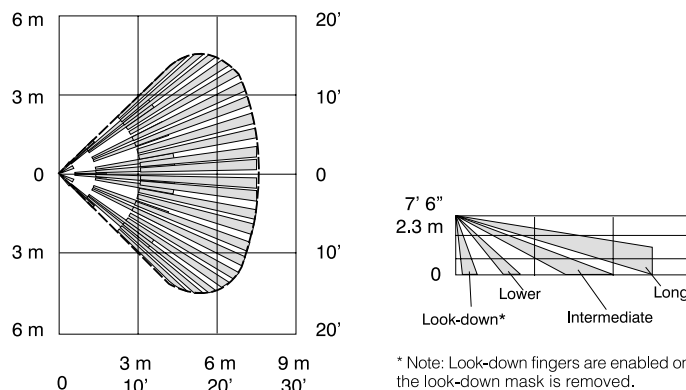
White Light Immunity

A patented black bug guard reduces false alarms by providing 6,500 lux of white light immunity. This helps reduce false alarm problems caused by lights, flashlights or reflective objects.

Effective in Hot or Cold Environments

The **DT-7225** operates effectively in harsh environments (14° to 131° F / -10° to 55°C). Temperature compensation adjusts processing for improved detection and false alarm immunity.

Detection Pattern:



BRANCH CONTACT DETAILS

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**Contact Us
Today!**

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