

DT-7360

Dual Technology Motion Sensor



The DT-7360 is a microcontroller-based DUAL TEC motion sensor. containing all the advantages of DUAL TEC accuracy and reliability in a desirable ceiling mount design. The DT-7360 has a 360° field of view and a 50'/15m diameter pattern.

FEATURES

Microwave/PIR Technology

- The use of dual technology provides the best detection available while virtually eliminating false alarms and costly service calls.

Built-in Diagnostics and Supervision

- Allows trouble conditions to be quickly identified, diagnosed and corrected.

Ceiling Mount Design

- 360° field-of-view, mounting height from 8' to 16' (2.4m to 4.9m), install as recessed or surface mount

Microcontroller-Initiated Self-Tests

- Microcontroller automatically initiates self-tests at power-up, trouble conditions and programmed intervals.

Trouble Output

- After a trouble is confirmed with a self-test, the trouble output can be used to annunciate the trouble condition.

Additional Microwave Supervision

- Independent circuit supervises microwave and PIR against failure. At loss of signal, microcontroller initiates self-test and unit switches automatically to single technology operation.

Mounting

- Surface or flush mount on ceilings (flush mount kit included); PIR mirror assembly included for installation on 12' to 16' (3.7m to 4.9m) ceilings.

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SPECIFICATIONS

Physical Dimensions

- White, high impact, ABS plastic housing
- 5" H x 5" W x 2-1/2" D (13 cm x 13 cm x 6 cm)
- Weight: 14oz. (397g)

Power Requirements

- 10 - 14.5VDC
- 40 mA typical @ 12VDC

Trouble Output

- De-energized Form B (N.C.) 125mA at 25VDC

Alarm Relay

- Energized Form C (N.O./N.C.) reed relay rated 125 mA at 25VDC

Microwave Frequencies

- Center band 24.125, GHz (24.2.GHz UK)

Tamper Switch

- Ceiling and cover tamper switches; Form A (N.C.) switch rated 25mA, 24VDC

Operating Temperature

- -10° to 55° C; 5% to 95% relative humidity, non-condensing

RFI Immunity

- 30 V/m from 10 - 1000 MHz

White Light Immunity

- 900 LUX

Detection Range

- 50' (15m) diameter, 25' (7.6m) radius

PIR Fields-Of-View

- 8'-10' mirror assembly (2.4m-3m) three 360° fields

- Long range: 36
- Intermediate: 24
- Lower: 16
- Look-down: 1
- 12'-16' mirror assembly (3.7m - 4.9m) two 360° fields

- Long range: 20
- Intermediate: 20
- Look-down: 1

Sensitivity

- Int- 2-4 steps within field-of-view
- Str- 4-6 steps within field-of-view

Approvals/Listing

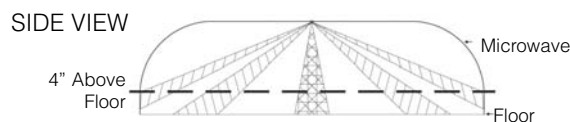
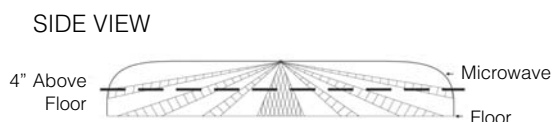
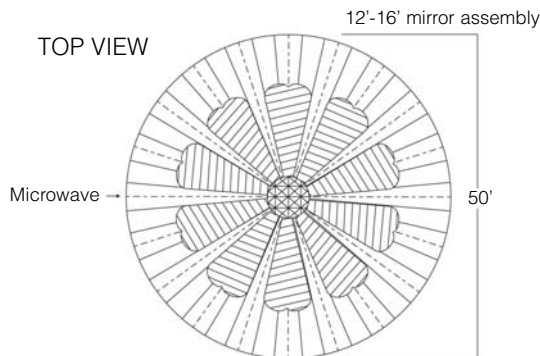
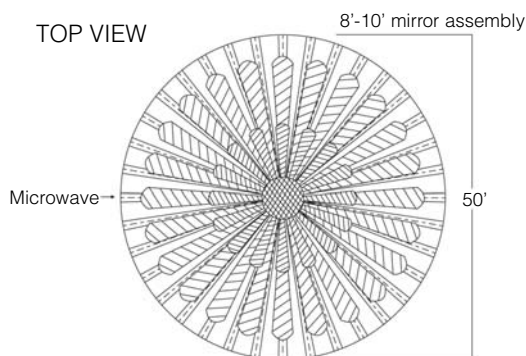
- FCC certified
- cULus Listed
- CE
- RTTE
- EN50131-1 Grade 2, Class 2

Accessories

Standard accessories include:

- DT-7360 recess kit for flush mounting in ceiling.
- PIR Mirror Assembly for installation on 12' to 16' (3.7m to 4.9m) ceilings.
- PIR Masking Material for masking PIR mirrors.

Detection Patterns



ORDERING

DT-7360 Dual Technology Motion Sensor, English Manuals, 24.125 GHz

DT-7360 EU Dual Technology Motion Sensor, Multi lingual Instructions, 24.125 GHz

DT-7360 UK Dual Technology Motion Sensor, UK Only 24.2 GHz

Honeywell Security & Custom Electronics

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