

DT8360 Series

DT8360CM, DT8360ACM, DT8360CM-SN
and DT8360ACM-SN

Ceiling Mount Dual Tec® Motion Sensor
with Mirror Optics and Anti-Mask*

Designed for high security commercial indoor environments and large residences, the new ceiling mount DT8360 DUAL TEC® motion detector series with anti-mask* technology quickly detect intentional and accidental masks or attempts to block the detector, ensuring a trouble condition is immediately sent to the control panel. A 360° field-of-view and an extremely dense and wide detection coverage reduces the need for multiple detectors. Anti-masking technology combined with Honeywell patented sensing technologies, high quality mirror optics and microprocessor-based DualCore signal processing, will improve catch performance and reduce false alarm and trouble conditions.

Beneath the two-piece, easy-open enclosure, installers will find easy access to the wiring terminal and built-in features which simplify the installation experience and reduce installation time. Furthermore, the new detectors come equipped with integrated EOL resistors with easy selectable DIP switches** or two wire V-Plex® technology***. A flexible mounting height adjustment dial and an enhanced flash light walk test will reduce time and trips up and down the ladder.

* DT8360ACM and DT8360ACM-SN only

** DT8360CM and DT8360ACM only

*** DT8360CM-SN AND DT8360ACM-SN only



Ceiling Mount Dual Tec® Motion Detectors with Mirror Optics and Anti-Mask*

FEATURES

- **High Detection Coverage**
360° field-of-view, extremely dense and wide detection coverage compared to the similar products of the market.
- **Mirror Optics**
Mirror optics provide the most reliable technology, offering the best detection/false alarm ratio.
- **V-Plex® Patented Polling Loop Technology**
DT8360CM-SN and DT8360CM-SN sensors are compatible with Honeywell control panels that support V-Plex devices, using two-wire loop technology which offers significant advantages over peer-to-peer wiring or the conventional four-wire multiplex to save you time and money.
- **On-board EOL Resistors*****
No need to add external resistors for zone supervision. Simply flip a DIP switch to suit your control panel.
- **Removable Terminal Strip**
Our new, easy-access removable connector provides flexible wiring and easier mounting during installation.
- **Alarm and Tamper**
The DT8360 Series is equipped with a energized Alarm Relay (Form A), Trouble Relay (Form B) and a Cover and Wall Tamper Relay (Form A) for maximum detection reliability.
- **Digital Adaptive Microwave Thresholds**
DT8360 Series digitally adjusts thresholds to account for room disturbances such as ceiling fans and other repetitive moving objects. The result – excellent false alarm immunity even in “active” rooms.
- **Self-test Patented Solution**
The detector tests the full microwave circuit periodically by sending and receiving a test signal. In case of any anomaly, the detector triggers the anti-mask/trouble relay.
- **Advanced DualCore Signal**
Processing (DUAL TEC™) Supports a multitude of advanced functions, including concurrent diagnostics, digital fluorescent light interference filter, digital adaptive microwave threshold, adaptive baselines and bidirectional temperature compensation.
- **Superior IR Anti-mask Protection***
Highly sensitive active infrared anti-masking feature can easily detect blocked, sprayed, or obstruction attempts to disable the detector.
- **PIR 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.
- **Coverage Pattern Masking**
A set of 60° masks are provided for masking undesired areas (60°, 120°, 180° or 240°).
- **Flashlight Walk Test**
Reduces installation time as the walk test can be enabled by simply waving a flashlight at the detector. Automatically times out.
- **Vibration Patented Solution**
Built-in shock feature. In case of vibration, this component overrules the PIR signal and assures the device stays in dual mode permanently.
- **Quick and Easy Installation**
Integrated screws, adjustable mounting slots and a rotating mounting height adjustment dial enable a quick and easy installation for nearly all surfaces and ceiling heights.
- **Flexible Mountings**
Surface or flush mount on ceilings (flush mount kit DT8300-FMK optionally available); The range is obtained at a mounting height of 8' (2.4m) to 26' (8m). Max. detection range at 26' (8m) is Ø 70' (21m).

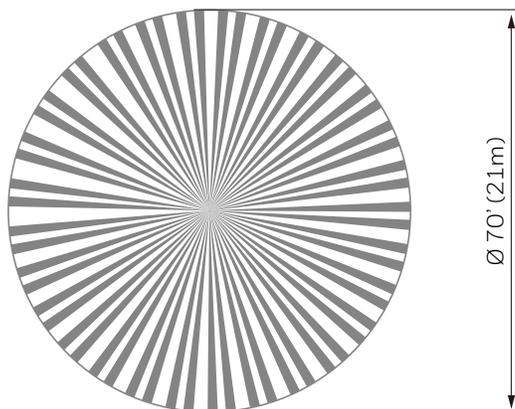
* DT8360ACM and DT8360ACM-SN only

*** DT8360CM and AD8360ACM only

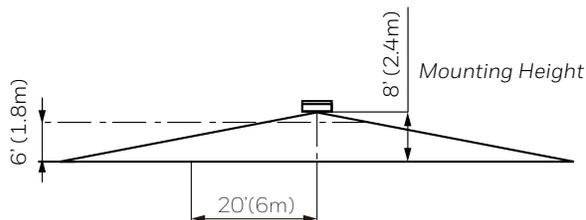
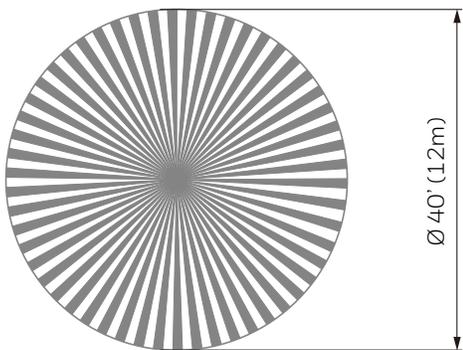
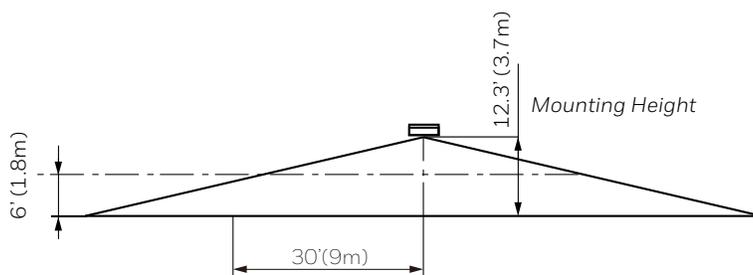
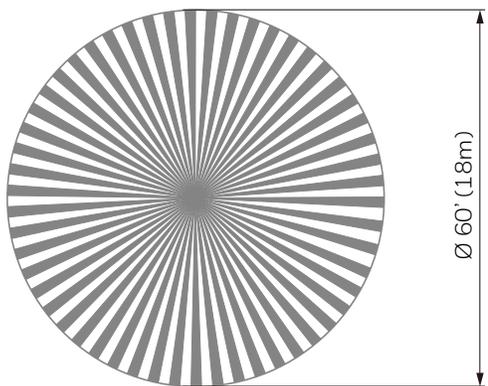
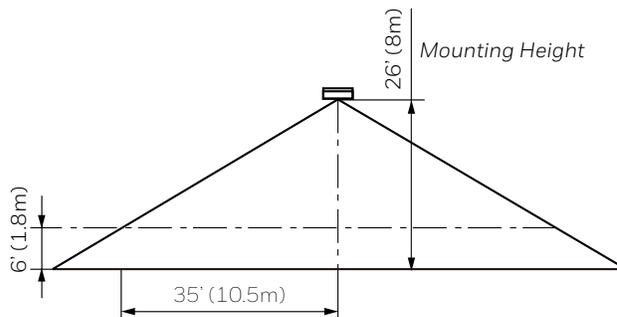
Ceiling Mount Dual Tec® Motion Detectors with Mirror Optics and Anti-Mask*

DETECTION PATTERNS

Top View



Side View



Ceiling Mount Dual Tec® Motion Detectors with Mirror Optics and Anti-Mask*

SPECIFICATIONS

DT8360CM, DT8360ACM, DT8360CM-SN AND DT8360ACM-SN		DT8360CM, DT8360ACM, DT8360CM-SN AND DT8360ACM-SN	
RANGE	360° Ø 70' (21m) max.	RELATIVE HUMIDITY	5 to 95%; Non-condensing
MOUNTING HEIGHT	8' to 25' (2.4m – 8m)	TEMPERATURE COMPENSATION	Advanced Dual Slope
IP RATING	IP30	ALARM RELAY (DT8360CM AND DT8360ACM ONLY)	Energized Form A; 30 mA, 25 VDC, 22 Ohms resistance max
POWER	9.0 - 15 VDC; 10 mA typical, 20 mA max. @ 12 VDC V-Plex version: 9.0 - 15 VDC; 6 mA standby, 20 mA max. @ 12 VDC	ALARM RELAY DURATION (DT8360CM AND DT8360ACM ONLY)	3 seconds
AC RIPPLE	3 V peak-to-peak at nominal 12 VDC	TROUBLE RELAY	Energized Form B; (NC) 30 mA, 25 VDC; 22 Ohms resistance max.
TAMPERS	Cover and Wall; (NC with cover installed) Form A; 30 mA, 25 VDC; Magnetic field	DIMENSIONS	5.8" x 6.4" x 1.8" (14.8cm x 16.2cm x 4.7cm)
MICROWAVE FREQUENCIES	10.525GHz	WEIGHT	15.5 oz/440g (net weight)
RFI IMMUNITY	20V/m, 80MHz-1GHz	APPROVAL LISTINGS	<ul style="list-style-type: none"> • FCC part 15 • Class B verified • IC ICES-003, Class B verified • UL 639 • ULC S306-03 • SIA-PIR-01 Passive Infrared detector standard features for false alarm immunity
PIR WHITE LIGHT IMMUNITY	6,500 Lux typical		
FLUORESCENT LIGHT FILTER	50 Hz / 60 Hz		
OPERATING TEMPERATURE	14 - 131 °F (-10 - 55 °C)		

ORDERING

DT8360CM	Dual TEC® Ceiling Mount Motion Sensor with Mirror Optics
DT8360ACM	Dual TEC® Ceiling Mount Motion Sensor with Mirror Optics and Anti-Mask
DT8360CM-SN	V-Plex® DUAL TEC® Ceiling Mount Motion Sensor with Mirror Optics
DT8360ACM-SN	V-Plex® DUAL TEC® Ceiling Mount Motion Sensor with Mirror Optics and Anti-Mask
ACCESSORIES*	
DT8300-FMK*	Flush Mounting Kit
DT8300-CPM*	Coverage Pattern Masking Set (4 x 60° masks)

*Accessories not evaluated by UL.

For more information:

www.honeywell.com/security

Honeywell Commercial Security

715 Peachtree St. NE
Atlanta, GA 30308
1.800.323.4576
www.honeywell.com

HSI-DT8360XX-01-NA(0519)DS-E
© 2019 Honeywell International Inc.

Honeywell