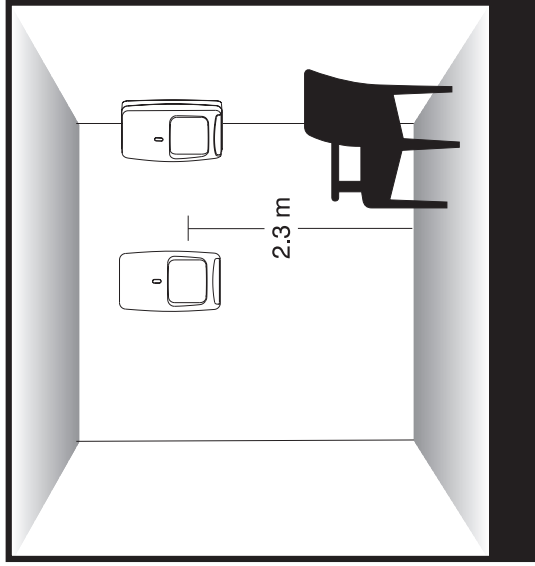


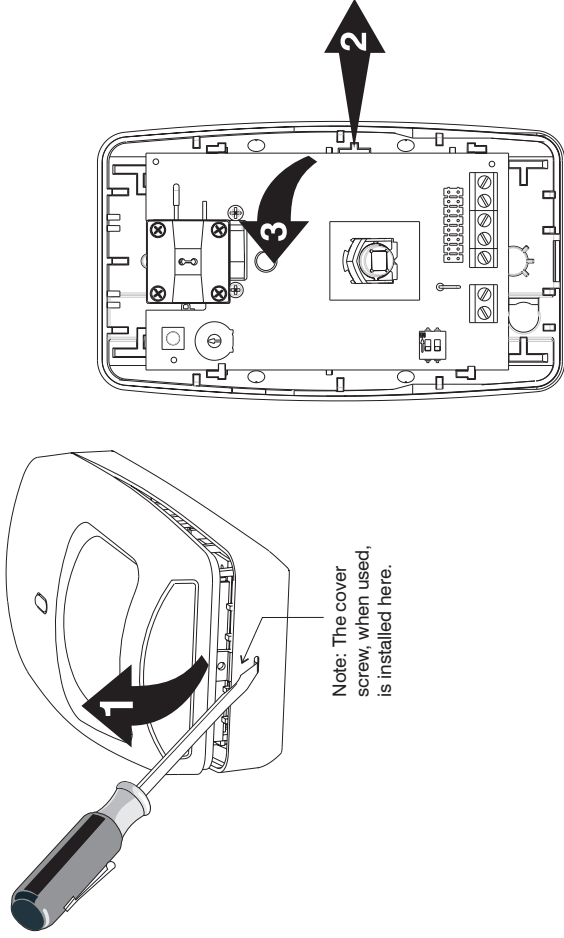
1 Select the mounting location.



Mounting Location Guidelines

- 2.3 m mounting height
- Avoid direct or reflected sunlight
- Aim sensor away from windows or heating/cooling devices
- Sensor must have a clear line-of-sight to protected area

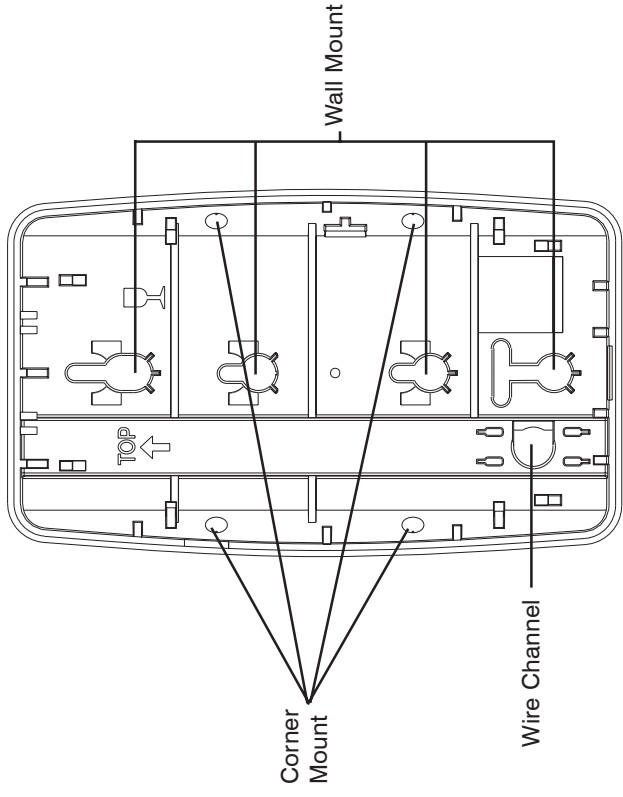
2 Separate the sensor housings and remove the printed circuit board (PCB).



Note: The cover screw, when used, is installed here.

- Use a small screwdriver to unfasten the housing latch. Gently pull apart the housings.
- Push outward on the PCB latch and lift the PCB out of the housing.

3 Mount the unit.



- Slide the wire through the wire channel and wire access in the back housing.
- Mount the back housing flat against a wall or in a corner.
- Replace the PCB.

4 Wire the unit.

- Connect wires as shown using 0.2 - 1.3 mm² wire size. Observe proper polarity.
- If not using the integrated EOL resistors, remove jumpers from all pins.
- If using the integrated EOL resistors:
 1. Connect the sensor to the panel (see one and two loop wiring diagrams on the right).
 2. Place the jumpers on the appropriate tamper and alarm pin options (see table below).

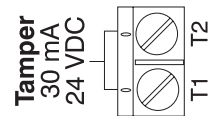
Notes:

- Consult the Control Panel manual to determine proper EOL selection.
- Fit only one jumper each for the tamper and alarm EOL settings.

EOL Settings

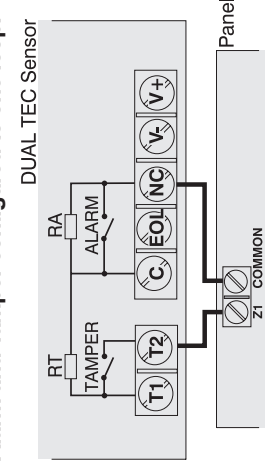
Jumper	Position	EOL Value
TAMPER (RT)	A	1K
	B	2.2K
	C	4.7K
	D	5.6K
ALARM (RA)	A	1K
	B	2.2K
	C	4.7K
	D	5.6K

Factory default settings are shown in grey.

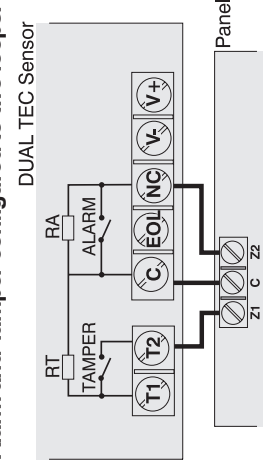


Tamper	Alarm	Power
30 mA 24 VDC	30 mA 24 VDC	30 mA 7.5-16 VDC
T1 T2	C EOL NC V- V+	

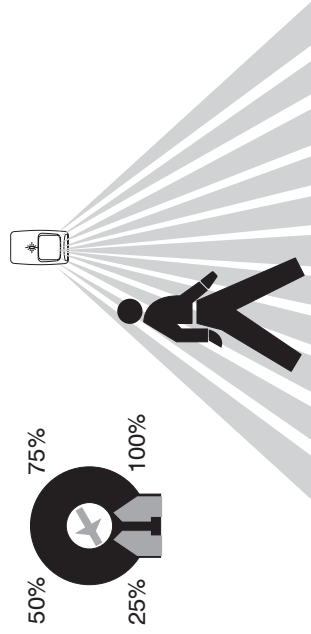
Alarm and Tamper configured to one loop.



Alarm and Tamper configured to two loops.



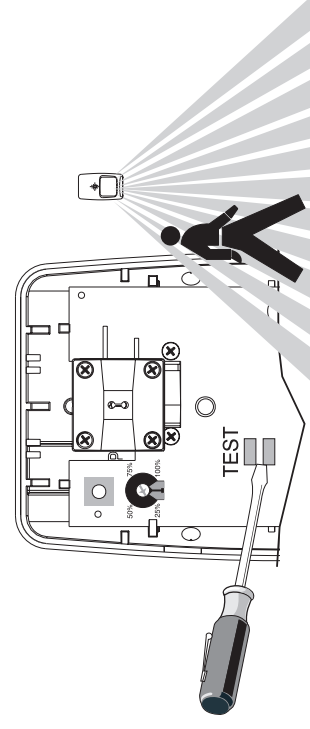
5a Walk-test the sensor.



- Apply power to the unit. Initialization is complete when the LED stops flashing slowly.
- Adjust the microwave range to minimum setting (25%) by turning the range adjustment counterclockwise using a small screwdriver.
- Replace the front housing.
- Begin walking through the detection area.
 - The LED will turn red, indicating an alarm detection.
- Increase the microwave range as necessary.
- Repeat the items in step 5a until proper detection range is obtained.

5b Optional: Walk-test using Zone Finder.

Use the Zone Finder mode to identify the PIR and/or microwave pattern. In Zone Finder mode the red LED is disabled.



- Use a screwdriver to short the test pads.
- During the Zone Finder walk-test mode, the LED turns:
 - green for one second for every PIR detection;
 - yellow for two seconds for every microwave detection.
- Adjust the microwave range as necessary.
- Zone finder mode times out after ten minutes.

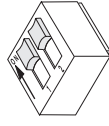
LED INDICATORS

LED	OPERATION MODE			
	Normal	Power Up	Fault	Zone Finder
Red	ON Alarm	Slow Blink	Fast Blink	OFF
Yellow	ON Microwave	OFF	OFF	ON Microwave
Green	ON PIR	OFF	OFF	ON PIR

DIP SWITCH SETTINGS (SW1)

Factory default settings are shown in grey.

Switch	OFF	ON
1	Low Sensitivity (Pulse Count 2)	High Sensitivity (Pulse Count 1)
2	LED disabled	LED enabled



TROUBLESHOOTING

Problem: Red LED is flashing rapidly.

Explanation: The sensor is in one of three conditions:

Microwave supervision failure: The sensor continues operating using PIR as the only detection method. When detection occurs on the PIR channel, the alarm relay will latch open until the Microwave fault is removed.

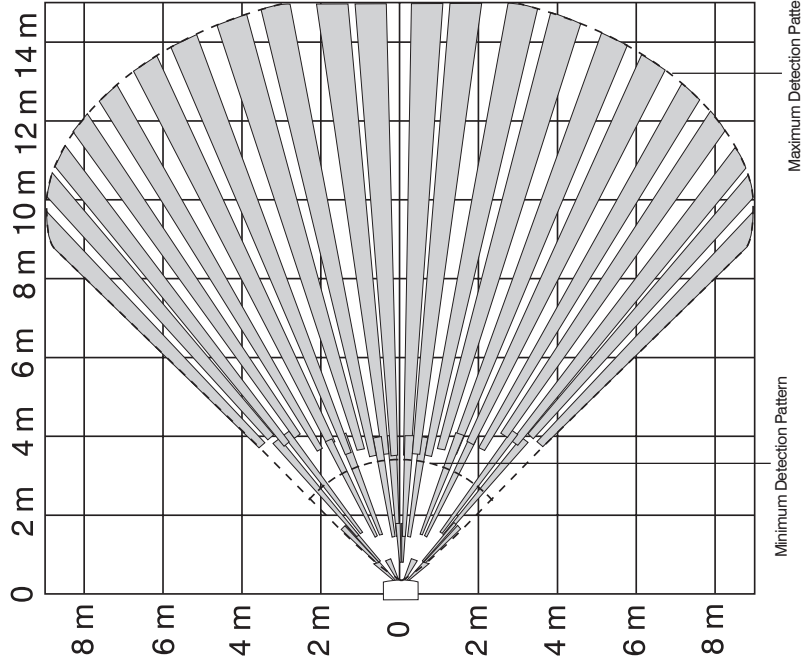
PIR self-test failure: Alarm relay does not actuate.

Temperature compensation failure: When alarm occurs, the alarm relay will latch open until the fault is cleared.

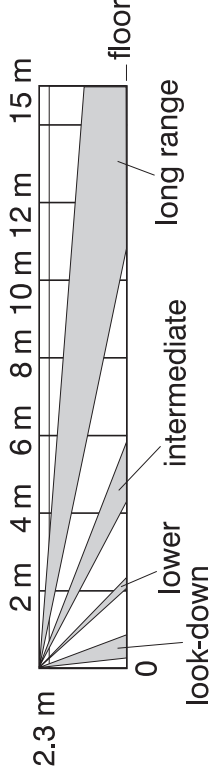
Solution: Power down the sensor or enter zone finder mode which will perform self-test. If the fault does not clear, replace the sensor.

DETECTION PATTERNS

Top View
Wide Angle Lens



Side View



PRODUCT SPECIFICATIONS

Range:
15 m x 18 m

Alarm relay:
Energized Form A
30 mA, 24 VDC,
40 Ohms resistance maximum

Tamper switch:
(NC) 30 mA, 24 VDC

Power requirements:
7.5 - 16 VDC
25 mA typical, 30 mA maximum,
12 VDC nominal

Microwave frequencies:
24.200 GHz

PIR white light immunity:
6,500 Lux typical

Fluorescent light filter:
50 Hz

Operating temperature:
-10° C to +55° C (14° F to +131° F)
5 - 95% relative humidity (non-condensing)
(Indoor use environment)

Temperature Compensation:
Advanced dual slope.

Self-tests:
Microwave Supervision
PIR Self-Test
Temperature Compensation

PIR fields-of-view:

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

Weight:
174 g
Packaged Product Approx.: 213 g

Dimensions:
11.9 cm H x 7.1 cm W x 4.2 cm D

Sensitivity:
High (Pulse Count 1) 1 - 2 steps
Low (Pulse Count 2) 3 - 4 steps

Accessories:
Optional Lens Kit -
Long Range Curtain Lens Kit (P/N DT7000-LRLK)
Mounting Brackets -
SMB-10 Swivel Mount Bracket
(P/N 0-000-110-01)
SMB-10T Swivel Mount Bracket w/Tamper
(P/N 0-000-155-01)
SMB-10C Swivel Mount Ceiling Bracket
(P/N 0-000-111-01)

TS 50131-2-4 Compliant Accessories:
SMB-10T Swivel Mount Bracket w/ Tamper
(P/N 0-000-155-01)
Long Range Curtain Lens Kit (P/N DT7000-LRLK)

Approvals/listings:

CE Ⓛ
PD6662
EN 50131-1 and TS 50131-2-4 Security Grade 2,
Environmental Class II.
Suitable for connection to an EN 60950 Class II
Limited Power Source.

Note: In TS 50131-2-4 compliant installations: mount the sensor at 2.3 m, select the high sensitivity setting, and install a cover screw (included).

To obtain applicable EU compliance Declaration of Conformities for this product, please refer to our Website, <http://www.security.honeywell.com/hisce/international/index.html>. For any additional information regarding the compliance of this product to any EU specific requirements, please contact:

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