Honeywell

IS3035 Passive Infrared Motion Sensor – Installation Instructions

1   SELECT THE MOUNTING LOCATION

6' 9" - 8' 9"
(2.1 - 2.7 m)

7' 6" ✔
(2.3 m)

≤ 80 lbs / 36 kg
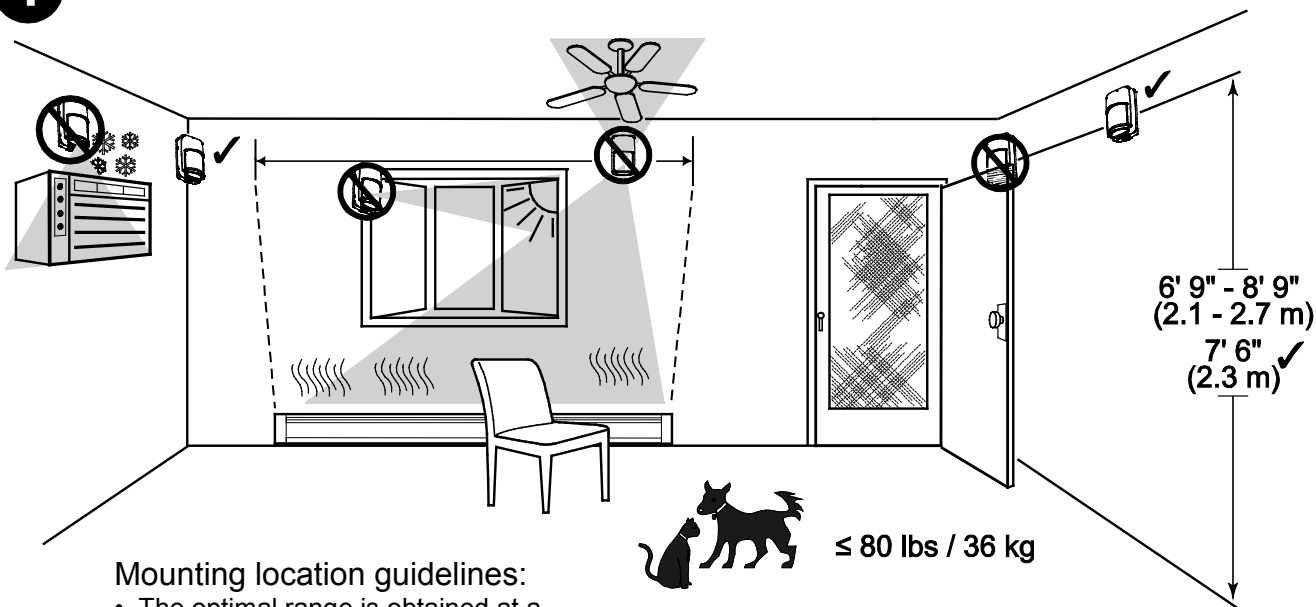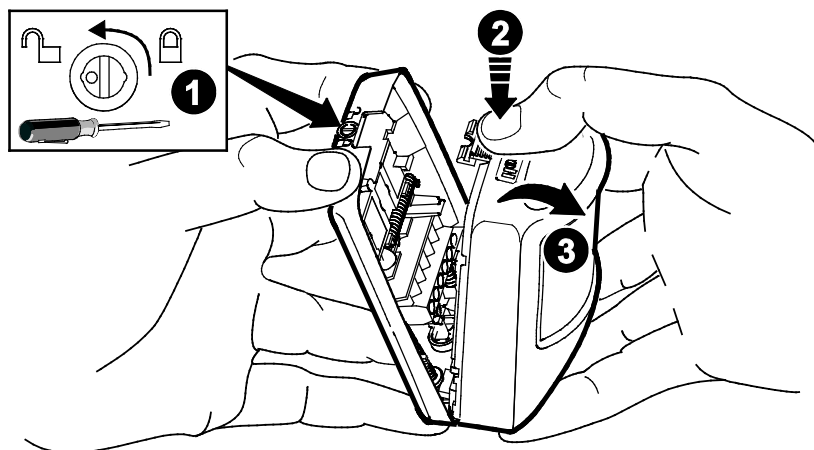
Mounting location guidelines:
- The optimal range is obtained at a mounting height of 7' 6" (2.3 m).
- Allow a clear line-of-sight to all areas to protect.
- Do not directly face windows.
- Avoid close proximity to moving machinery, fluorescent lights, and heating/cooling sources.
- For use in applications with pets up to 80 pounds (36 kilograms).
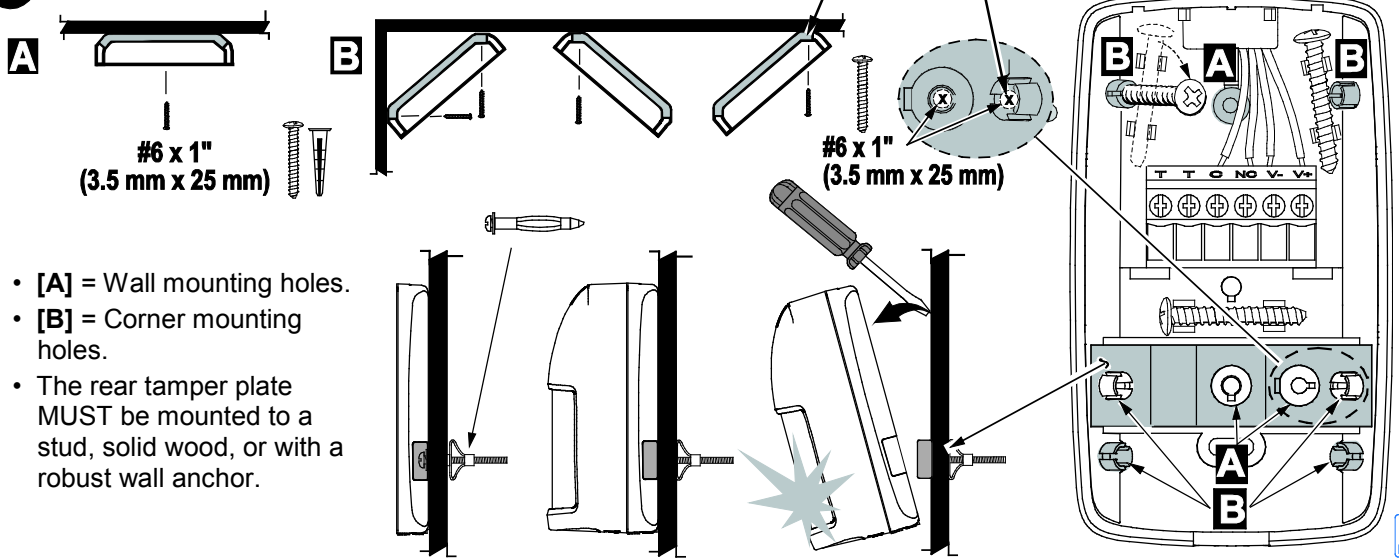
2   OPEN THE SENSOR

1. Turn the arrow to point to the Unlock symbol.
2. Press firmly on housing latch.
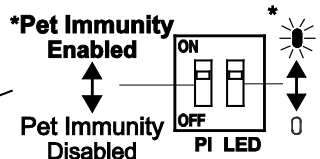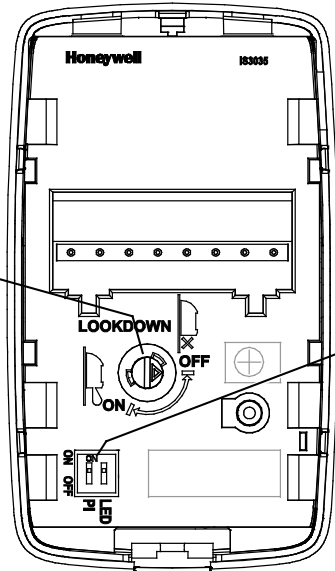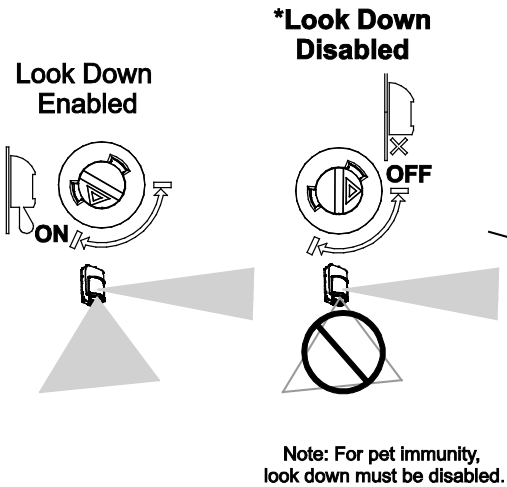3. Gently separate the front and rear housing.

3 MOUNT THE SENSOR

A

#6 x 1"
(3.5 mm x 25 mm)

B

#6 x 1"
(3.5 mm x 25 mm)

- **[A]** = Wall mounting holes.
- **[B]** = Corner mounting holes.
- The rear tamper plate MUST be mounted to a stud, solid wood, or with a robust wall anchor.
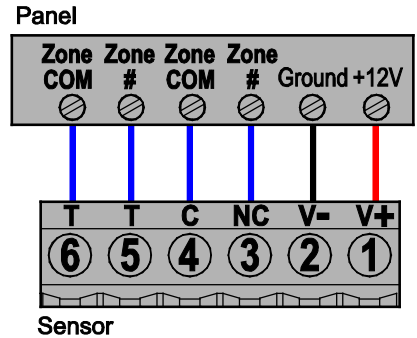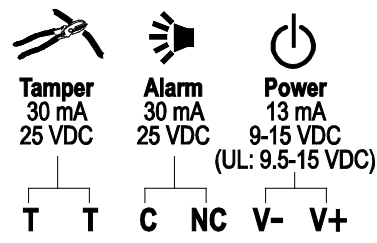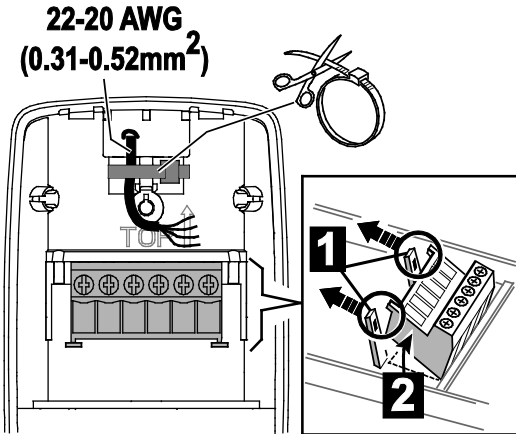
T T O NO V- V+

B **A** **B**

A

B

4 SENSOR COMPONENTS AND SETTINGS

Look Down
Enabled

ON

***Look Down
Disabled**

OFF

Honeywell IS3035

LOOKDOWN

OFF

ON

ON OFF

PI LED

Note: For pet immunity, look down must be disabled.

***Pet Immunity
Enabled**

ON

OFF

Pet Immunity
Disabled

PI LED

*

0

* Factory default

5 WIRE THE SENSOR

22-20 AWG
(0.31-0.52mm²)

TOP

1

2

Tamper 30 mA 25 VDC		Alarm 30 mA 25 VDC		Power 13 mA 9-15 VDC (UL: 9.5-15 VDC)	
T	T	C	NC	V-	V+
⑥	⑤	④	③	②	①

Panel

Zone COM	Zone #	Zone COM	Zone #	Ground	+12V

T	T	C	NC	V-	V+
⑥	⑤	④	③	②	①

Sensor

6 WALK TEST THE SENSOR AND ADJUST AS NEEDED
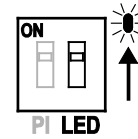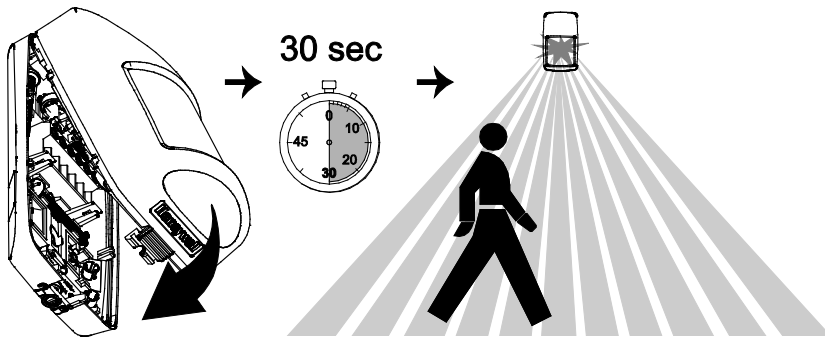
30 sec

LED	Power Up	Walk Test	Normal	Trouble
Red	Slow Blink	ON Alarm	ON Alarm	Fast Blink

1. Close the sensor and apply power to the sensor. Initialization is complete when the LED stops flashing slowly (about 30 seconds).
2. Walk through the detection area and observe the LED.

Walk test mode is active for 10 minutes, then automatically exits test mode, disables the LED and enters normal operation mode. For an additional 10 minute walk test, enable walk test mode again with the flashlight feature.

Note: During power up and walk test modes the LED is active regardless of the LED Enable/Disable DIP switch setting.

Flashlight Feature:

1. Use a flashlight with a bright light beam, and stand within 4' (1.2 m) of the sensor.
2. Swing the light beam past the sensor IR window 3-5 times, holding the beam on the window for 0.5 second each pass.
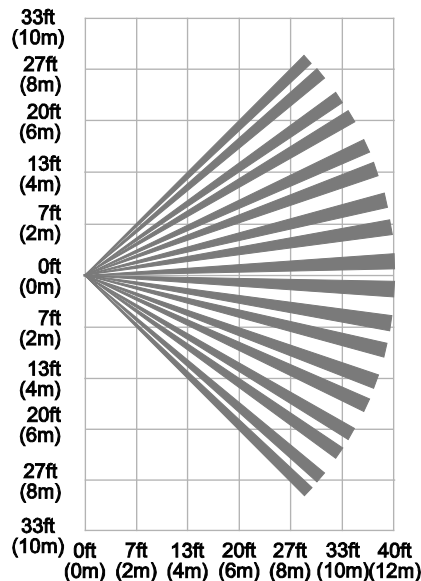
The flashlight feature is only available for the first 24 hours after the first power up.
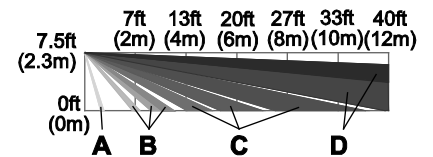
< 4' (1.2m)

1/2 sec. hold 4x

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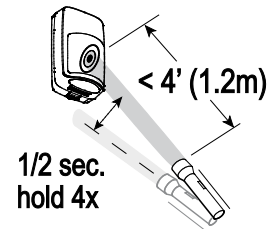
7 DETECTION PATTERNS

Top View

PLAN VIEW
ALL ZONES

Side View

Zones

A	2	Look-down
B	18	Lower
C	46	Intermediate
D	36	Long

RELAY OPERATION

	SENSOR STATUS		
	Normal	**Intrusion**	**Trouble**[1]
Alarm Relay	Closed	Open	Open

[1] For information on Trouble conditions, see the Troubleshooting section.

TROUBLESHOOTING

		TROUBLE*
	NORMAL	**Self-Test Failure**[1]
Alarm Relay	Closed	Open
Red LED	Off	Flashing

*TROUBLE CONDITIONS:
[1] Self-Test Failure conditions:
- PIR self-test failure: The sensor is disabled.
- Temperature compensation failure: The temperature compensation is disabled.

Depending on the Trouble condition, take the following corrective actions:
- Verify the power supply is sufficient (at least 9V at the sensor).
- Cycle power to the sensor.
- Walk test the sensor.

If the Trouble condition does not clear, replace the sensor.

SPECIFICATIONS

Range: 40' x 56' / 12 m x 17 m

Wall Mounting Height: 6'9" – 8'9" (2.1 m - 2.7 m); Optimal 7'6" (2.3 m)

Power: 9.0-15 VDC (UL: 9.5-15 VDC); 11 mA typical, 13 mA maximum; AC Ripple: 3 V peak-to-peak at nominal 12 VDC

Alarm Relay: Energized Form A; 30 mA, 25 VDC, 22 Ohms resistance maximum. Alarm Relay Duration: 3 seconds

Tampers: Cover & Wall; (NC with cover installed) Form A; 30 mA, 25 VDC

RFI Immunity: 20V/m 10-1000MHz, 15V/m 1000-2700MHz

PIR White Light Immunity: 6,500 Lux typical

Fluorescent light filter: 50 Hz / 60 Hz.

Operating Temperature: 14° to 131° F / -10° to 55° C

Relative Humidity: 5 to 93% (UL tested at 93%); non-condensing

Temperature Compensation: Advanced Dual Slope

Dimensions: 3.86" H x 2.24" W x 1.71" D / 9.8 cm H x 5.7 cm W x 4.35 cm D

Weight: 3 oz / 85 g (net weight)

ACCESSORIES

SMB-10* (P/N 0-000-110-01)	Swivel Mount Bracket
SMB-10C* (P/N 0-000-111-01)	Swivel Mount Ceiling Bracket
SMB-10T* (P/N 0-000-155-01)	Swivel Mount Bracket w/Tamper
DT8-G2 Lens Kit (P/N DT8G2LENS5PK)	Replacement Fresnel Lens Kit – 5 Pack
Cable* (P/N 1103)	General purpose, Solid 22 AWG, 4 conductor
Cable* (P/N 1104)	General purpose, Stranded 22 AWG, 4 conductor
Cable* (P/N 1106)	General purpose, Solid 22 AWG, 6 conductor
Cable* (P/N 1107)	General purpose, Stranded 22 AWG, 6 conductor

* These accessories have not been evaluated by UL.

APPROVAL LISTINGS

- 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.

Product must be tested at least once each year.

All wiring must be in accordance with: the National Electrical Code (ANSI/NFPA70); the Canadian Electrical Code, Part I (where applicable); UL681, Standard for Installation and Classification of Burglar and Holdup Alarm Systems; ULC-S302, Standard for Installation and Classification of Burglar Alarm Systems for Financial and Commercial Premises, Safes and Vaults; ULC-S310, Standard for Installation and Classification of Residential Burglar Alarm Systems; local codes and the authorities having jurisdiction.

The products are intended to be powered by a power-limited output of a UL/CUL Listed Burglar Alarm control unit, or via a Listed UL603/ULC-S318 power-limited power supply that provides 4 hours of standby power.

The sensor must be mounted indoors, within the protected premises, and on a wooden stud, solid wood or with a robust wall anchor.

UL Notes: All interconnecting devices must be UL Listed. The pet immunity feature has not been evaluated by UL.

For the latest documentation and online support information, please go to:
http://www.security.honeywell.com/hsc/resources/MyWebTech/

2 Corporate Center Drive, Suite 100
P.O. Box 9040, Melville, NY 11747
www.honeywell.com/security

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