Mounting location guidelines:
• The maximum range is obtained at a mounting height of 2.3m (7’ 6”).
• 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.
• Not for use in applications with pets.

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

3.5 mm x 25 mm
(3/4 x 1"

*Not included

A = Wall mounting holes.
B = Corner mounting holes.

4 SENSOR COMPONENTS AND SETTINGS

*Look Down Enabled

Look Down Disabled

Not used

5 WIRE THE SENSOR

0.2-0.52mm²

Tamper 30 mA 7 mA (11 mA max)
25 VccVDC 9-16 VccVDC

Alarms 30 mA 3
25 VccVDC

Power 2
9-16 VccVDC

See wiring details and examples on page 3.
WIRING DETAILS
- Observe proper polarity.
- If not using the integrated EOL resistors, set all switches to OFF.
- If using the integrated EOL resistors:
  1. Connect the sensor to the panel (see wiring diagrams below).
  2. Set the appropriate tamper, alarm and tamper DIP switches to ON (see Step 4 on page 2).

Notes:
- Consult the Control Panel manual to determine proper EOL selection.
- The Alarm and Tamper EOL settings must each only have one switch ON.
- The EOL values should be set at the same time.

Wiring Example

Alarm and Tamper configured to one loop.

Flashlight Feature:
1. Use a flashlight with a bright light beam, and stand within 1.2 m (4') 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.
RELAY OPERATION

<table>
<thead>
<tr>
<th>SENSOR STATUS</th>
<th>Normal</th>
<th>Intrusion</th>
<th>Trouble¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alarm Relay</td>
<td>Closed</td>
<td>Open</td>
<td>Open</td>
</tr>
</tbody>
</table>

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

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>TROUBLE*</th>
<th>Alarm Relay</th>
<th>Red LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORMAL</td>
<td>Closed</td>
<td>Off</td>
</tr>
<tr>
<td>SELF-TEST FAILURE¹</td>
<td>Open</td>
<td>Flashing</td>
</tr>
</tbody>
</table>

¹TROUBLE CONDITIONS:
- 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:** 16 m x 22 m
- **Power:** 9.0 - 15 VDC; 7 mA typical, 11 mA maximum, 12 VDC; 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
- **Trouble Relay:** Energized Form B; (NC) 30 mA, 25 VDC; 22 Ohms resistance maximum
- **Tamper:** Cover; (NC with cover installed) Form A; 30 mA, 25 VDC; Magnetic field
- **RFI Immunity:** 15 V/m, 80 MHz – 2.7 GHz
- **PIR White Light Immunity:** 10,000 Lux typical
- **Fluorescent light filter:** 50 Hz / 60 Hz
- **Operating Temperature:** -10° to 55° C
- **Relative Humidity:** 5 to 95%; non-condensing
- **Temperature Compensation:** Advanced Dual Slope
- **Dimensions:** 9.8 cm H x 5.7 cm W x 4.35 cm D
- **Weight:** 80 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

Note: The accessories are not covered by certifications.

APPROVAL LISTINGS

- **EN50131-2-2:** Security Grade 2, Environmental Class II.
- Suitable for connection to an EN 60950 Class II Limited Power Source.

Note: In EN 50131-2-2 compliant installations, mount the sensor at 2.3m, enable look down and lock the sensor housing with the cover lock (see “[EN]” where noted in Steps 1-4).

IMPORTANT: The sensor should be tested at least once each year.

For any additional information, please refer to our Website: [http://www.honeywell.com/security/emea/hscdownload](http://www.honeywell.com/security/emea/hscdownload)

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Please contact your local authorised Honeywell representative for product warranty information.