Just one unit is all you need for one side of a sheet shutter 4m(13ft) width × 4m(13ft) height!
The large, high-density detection pattern allows for high performance detection of people. (keep out of reach of small children.)

**Broad and high-density detection pattern**
- The unit offers high-density protection field (1 to 4 rows).
  Each row consists of 12 beams (48 beams in total).
- The unit also can offer high and broad detection area. (H4.2m X W5.0m X D3.3m)

**Easy adjustment of detection pattern**
- Pattern depth is adjustable with a dip switch
- Pattern width is adjustable with an area adjustment lever.

**Motion detection + Stationary detection**
The unit offers motion detection system in 3 & 4 rows and stationary detection system in 1 and 2 rows.

**Self Diagnostic function (ON/OFF selectable)**
DA-4800H offers a self-diagnostic function. Operation LED will blink between Red and Green, when a sensor finds a malfunction.

**Other features**
- Microprocessor provides programmable Stationary Timer (∞, 10 min., 60 sec., 2 sec.).
- ‘Snow mode’ prevents malfunction due to falling snow, falling leaves, insects, etc.
- Sensitivity is adjustable with a sensitivity adjustment volume.
- Operation LED is available for operation check.
Active Infrared DOOR SENSOR

□ OPTICAL AREA DIAGRAM

Side view
Front view

Minimum area
Maximum area

Minimum area
Maximum area

Maximum area (when the sensor angle is 10° at maximum)

Area dimensions
Height
Width (A)
Depth (B)

<table>
<thead>
<tr>
<th></th>
<th>2.5</th>
<th>3.0</th>
<th>3.5</th>
<th>4.2</th>
</tr>
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<tbody>
<tr>
<td>Height</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width (A)</td>
<td>3.0</td>
<td>3.5</td>
<td>4.2</td>
<td>5.0</td>
</tr>
<tr>
<td>Depth (B)</td>
<td>2.0</td>
<td>2.4</td>
<td>2.9</td>
<td>3.3</td>
</tr>
</tbody>
</table>

□ EXTERNAL DIMENSIONS (UNIT: mm)

We recommend simultaneously using an auxiliary sensor that includes a photoelectric beam switch in order to prevent people from being stuck in a shutter.

□ WIRING DIAGRAM

Main unit connector

Yellow
Yellow
Detection output (Dry relay contact N.O.)

Gray
Gray
Power supply (12 V to 24 V AC/DC)

Please note: This sensor is designed to detect intrusion and to initiate an alarm; it is not a burglary prevention device. TAKEEX is not responsible for damage, injury or loss caused by accident, theft, Acts of God (including inductive lightning surges), abuse, misuse, abnormal usage, faulty installation or improper maintenance.

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