The SafePath™ DH400 is a high mount active infrared presence sensor designed to provide both activation and safety protection for automatic sliding and folding doors.

The DH400 is based on the most reliable active infrared (AI) technology available—Floor Reflection Method (FRM).

**Technical Data**

- Floor Reflection Method Active Infrared Technology (FRM-AI)
- One Sensor Provides Complete Presence Detection
- Up To 60 Detection Zones
- 4 Presence Timer Settings
- Mounts Up To 13.1’ (4.0m)
- Electronic Depth Adjustment From 5 to 2 Rows
- Separate Dip Switch Width Adjustment for Right and Left allowing maximum customization of pattern
- Quick-Connect Wiring Harness Included
- Four Frequency Settings
- 12V to 24V AC or DC Operation
- Form C Dry Relay Contact N.O., COM, N.C.
- Rain Cover Available (DHRC)

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>DH400</th>
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</thead>
<tbody>
<tr>
<td>Detection Method</td>
<td>Floor Reflection Method Active Infrared (FRM-AI)</td>
</tr>
<tr>
<td>Max. Installation Height</td>
<td>13.1 ft. (4.0m)</td>
</tr>
<tr>
<td>Sensitivity Adjustment</td>
<td>Variable (via potentiometer)</td>
</tr>
<tr>
<td>Detection Area Adjustment</td>
<td>Pattern Width: 12 rows (6 left, 6 right), Pattern Depth: 5 to 2 Rows + Independent Tilt Settings</td>
</tr>
<tr>
<td>Detection Beams</td>
<td>Up to 60 Beams</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>12V to 24V AC or DC ± 10%</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>AC24V-2.5VA, AC12V-2.5VA, DC24V-65mA, DC12V-140mA</td>
</tr>
<tr>
<td>Output Contact</td>
<td>Form C Relay, DC50V 0.1A Resistor Load</td>
</tr>
<tr>
<td>Output Holding Time</td>
<td>Approx. 0.5 Seconds</td>
</tr>
<tr>
<td>Presence Timer</td>
<td>2, 30, 60 sec. &amp; infinity</td>
</tr>
<tr>
<td>Operation Indication</td>
<td>Red LED = Detecting, Green LED = Standby, Green Blinking LED - Doorway Learning (when dip switch Y 8 is ON), Orange LED= Detection row “ROW 1” (“ROW 2” when “Doorway Learn” is turned ON) is detecting door movement, Orange Blinking LED = Indicates a change of dip switch settings or sensitivity volume, Green/Red Blinking LED = Internal Sensor Error</td>
</tr>
<tr>
<td>Enclosure Rating</td>
<td>IP54 (IEC60529)</td>
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</tbody>
</table>

With FRM-AI, up to 60 individual detection zones are precisely reflected off of the floor in a rectangular pattern meeting and exceeding ANSI A156.10 guidelines.

**Floor Reflection Method™ (FRM™) sensors with Maximum Pattern Infrared™ (MPI™) provide better safety than other infrared sensors.**

**SafePath Maximum Pattern Infrared (MPI™) sensors use more beams than other manufacturers—and provide a level of safety not found in other stand-alone infrared sensors.**
SafePath™ DH400
FRM-AI Combination
High Mount Presence Sensor

Temperature Range
-4°F to 140°F (-20°C to 60°C)

Weight
Approx. 0.64 lbs. (0.29 kg)

Cover Color
Black, Silver

Accessories
Cable: 8.2 ft. (2.5m)

DIMENSIONS

APPLICABLE STANDARDS
American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10.
Enclosure Rating IP54

APPROVALS
CE

Installation
SETUP AND ADJUSTMENT
The DH400 installs easily. Simple amp connectors make wiring fast. Pattern width is selected by dip switch, mounting and mechanical adjustment. The indicator LED is clearly visible with the cover on. Two 8 position dip switches allow the installer to adjust presence timers, pattern depth, frequency, monitoring modes.

COVERAGE PATTERN

(These detection patterns are approximate and will vary slightly. Walk-test the unit to assure the pattern desired.)

Availability & Cost
AVAILABILITY
Available internationally from manufacturer’s authorized distributors; contact MS SEDCO for the location of nearest distributor.

COST
Cost information on MS SEDCO products is available from the manufacturer’s authorized distributors.

Warranty
A three year warranty is available from the manufacturer covering defects in materials and workmanship. Contact MS SEDCO for details.

Maintenance
MS SEDCO recommends that all maintenance and adjustments be performed by an AAADM Certified Technician.

Technical Services
MS SEDCO’s staff of factory trained sales and service personnel offer design assistance and technical support. Local distributors are also available to assist in selecting appropriate devices for specific uses and to provide onsite installation.

8701 Castle Park Drive • Indianapolis, Indiana 46250 • Telephone: (317) 842-2545 • Fax: (317) 849-3387
www.mssedco.com • custsvc@mssedco.com