**Product Name**

**SafePath™ DH94**

featuring FRM-AI technology with Maximum Pattern Infrared™ (MPI™)

**Contact Information**

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**Product Description**

**BASIC USE**

The SafePath DH94 is a 4-row presence sensor designed to provide both activation and safety protection to automatic sliding entrances with shallow approaches such as those found in a typical “strip center” shopping complex.

The DH94 is based on the most reliable active infrared (AI) technology available – Floor Reflection Method (FRM).

With FRM-AI up to 32 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.**

The DH94 is designed for easy field installation and adjustment. The pattern width and depth are mechanically adjustable. In addition, depth can be altered electronically from 4 rows to 1 row thus providing either a pattern deep enough for both activation and safety or shallow enough for curtain-like safety protection at the threshold. All adjustments are available without the use of proprietary set-up devices.

**Technical Data**

- Floor Reflection Method Active Infrared (FRM-AI) Technology  
- Up To 32 Detection Zones  
- Quick-Connect Wiring  
- Mount Up To 9.8’ (3m) High  
- Programmable Presence Timer (2, 30, 60 or ∞ Seconds)  
- Tape-Free Masking  
- No Lens Changing  
- Electronic Depth Adjustment (From 4 to 1 Rows)  
- Snow Mode  
- Indicator LED  
- Elevation Angle Adjustment (0° to 5°)  
- 12V or 24V AC or DC Operation  
- Rain Cover Available (DHRC)

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>SafePath DH94</th>
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<tbody>
<tr>
<td>Detection Method</td>
<td>Floor Reflection Method Active Infrared (FRM-AI)</td>
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<tr>
<td>Max. Installation Height</td>
<td>9.8 Feet (3m)</td>
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**Detection Area Adjustment**

- Pattern Width (Wide & Narrow)  
- Pattern Depth (4 to 1 Rows)  
- Angle Adjustment (0° to 5°)

**Power Requirements**

- 12V to 24V AC or DC ± 10%  
- AC12V: 1.35VA Max  
- AC24V: 1.5VA Max  
- DC12V: 65mA, DC24V: 35mA

**Output Contact**

- Form C Relay: DC50V 0.1A (Resistor Load)

**Output Holding Time**

- Approx. 0.5 Seconds

**Presence Timer**

- 2, 30, 60 or ∞ Seconds  
- Programmable Via Dip Switch

**Operation Indication**

- Red LED = Detecting  
- Green LED = Standby  
- Orange LED = Door movement detected  
- Fast Flashing ORANGE = Waiting for reset  
- Flashing RED/GREEN = Reflection Diagnostics

**Temperature Range**

- -4°F to 140°F (-20°C to 60°C)

**Weight**

- Approx. 0.40 lbs. (0.180 kg)

**Cover Color**

- Black

**Accessories**

- Cable: 8 ft. (2.5m)
SafePath™ DH94
FRM-AI Presence Sensor

APPLICABLE STANDARDS
American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10.
Enclosure Rating IP54 (IEC60529)

APPROVALS
CE

Installation
SETUP AND ADJUSTMENT
The DH94 installs easily. Simple amp connectors make wiring fast. Side levers allow pattern width to be adjusted from wide to narrow and the body of the sensor can be tilted to adjust pattern depth. The indicator LED is clearly visible with the cover on. An 8 position dip switch allows the installer to adjust the presence timer, pattern depth, frequency and monitoring modes.

COVERAGE PATTERN

Wide Pattern @ Maximum 10’ (3m) Wide
Narrow Pattern @ Maximum 4’ (1.2m) Wide

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.

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.