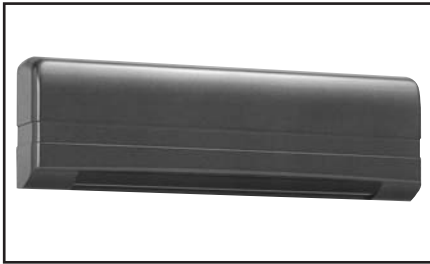




DH94-2 Floor Reflection Method (FRM) Active Infrared Presence Detector

SENSORS & SWITCHES



Product Name
DH94-2 Floor Reflection Method (FRM) Active Infrared Presence Detector

Manufacturer
MS Sedco
8701 Castle Park Drive
Indianapolis, IN 46256
Phone: (800) 842-2545
(317) 842-2545
Fax: (800) 849-3387
(317) 849-3387
Email: custsvc@mssedco.com
www.mssedco.com

Product Description
BASIC USE
The DH94-2 is a 2-row presence sensor. Primarily developed for safety applications on automatic slide doors, the DH94-2 may also be used for safety on bifold doors, slide door sidelites or activation/safety on drive through windows.

The DH94-2 is based on the most reliable active infrared technology available—Floor Reflection Method (FRM). With FRM up to 16 individual detection zones are precisely reflected off of the floor in a rectangular pattern meeting and exceeding ANSI/BHMA A156.10 guidelines.

The DH94-2 is designed for easy field installation and adjustment.

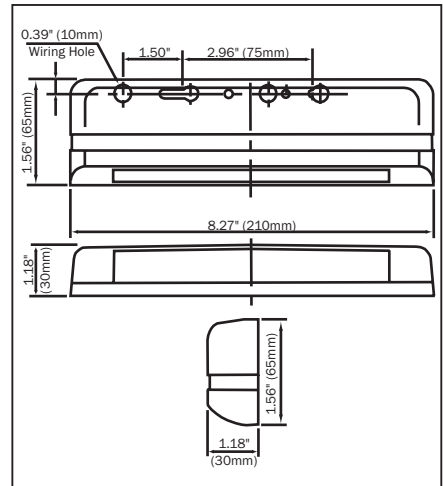
The pattern width and depth are mechanically adjustable. In addition, depth can be altered electronically from 2 to 1 row. Other electronic adjustments include 4 presence timer settings, 4 frequency settings and interior/exterior modes available without the use of proprietary set-up devices.

- Technical Data
• Floor Reflection Method (FRM) Active Infrared Technology
• Up To 16 Detection Zones
• Quick-Connect Wiring
• Mount Up To 10' (3m) High
• Programmable Presence Timer (2, 15, 60 or 180 Seconds)
• Tape-Free Masking
• No Lens Changing
• Electronic Depth Adjustment From (2 to 1 Rows)
• Snow Mode
• Indicator LED
• Elevation Angle Adjustment (0° to 5°)
• 12V or 24V AC or DC Operation
• Safety Beams May Be Required. Consult ANSI/BHMA A156.10

Table with 2 columns: Specification Name and Value. Includes Model (DH94-2), Detection Method (Floor Reflection Method (FRM) Active Infrared Detection), Max. Installation Height (10 Feet (3m)), Detection Area Adjustment (Pattern Width (Wide & Narrow), Pattern Depth (2 to 1 Rows), Angle Adjustment (0° to 5° in 3 steps)), and Sensitivity.

Table with 2 columns: Specification Name and Value. Includes Power Requirements (12V to 24V AC or DC ± 10%), Power Consumption (AC24V-2VA, AC12V-1.5VA, DC24V-55mA, DC12V-85mA), Output Contact (Form C Relay: DC50V 0.1A (Resistor Load)), Output Holding Time (Approx. 0.5 Seconds), Presence Timer (2, 15, 60 or 180 Seconds Programmable Via Dip Switch), Operation Indication (Red LED = Detection, Green LED = Monitoring Area, Orange LED = Abnormal), Temperature Range (-4° F to 140° F (-20° C to 60° C)), Weight (Approx. 0.43 lbs. (0.195 kg)), Cover Color (Black), and Accessories (Cable: 5 ft. (1.5m)).

DIMENSIONS



## DH94-2 Floor Reflection Method (FRM) Active Infrared Presence Detector

SENSORS & SWITCHES

### APPLICABLE STANDARDS

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

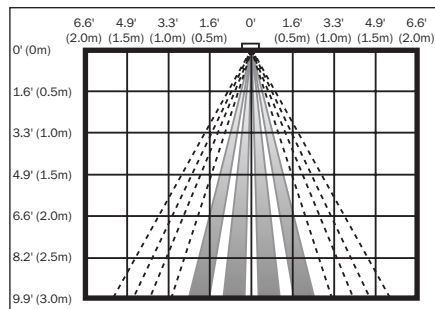
APPROVALS  
CE

### Installation

#### SETUP AND ADJUSTMENT

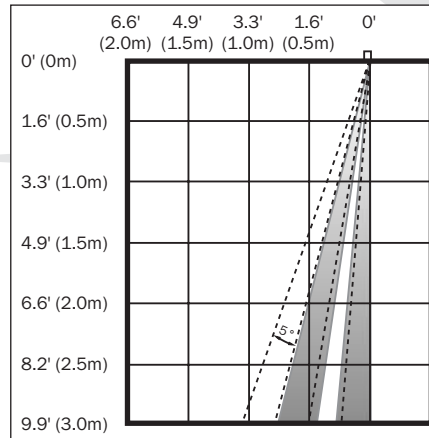
The DH94-2 installs easily. Simple amp connectors make wiring fast. Side levers allow pattern width to be adjusted from wide to narrow and the body of the sensor can be tilted to adjust pattern depth. The indicator LED is clearly visible with the cover on. A 6 position dip switch allows the installer 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



Wide Pattern @ Maximum  
3.3' (1m) Deep

Narrow Pattern @ Maximum  
3.3' (1m) Deep

(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.

### Filing Systems

- Sweet's
- Additional product information is available from the manufacturer upon request.