



SafePath™ DH17i Industrial Door High-Mount Motion or Presence Sensor



Product Name

SafePath™ DH17i

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

Manufacturer

MS SEDCO

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Product Description

BASIC USE

The SafePath™ DH17i is a 4-row motion or presence sensor designed for high mount industrial door applications between 10 feet (3m) and 20 feet (6m) high.

The DH17i is based on the most reliable active infrared (AI) technology available—Floor Reflection Method (FRM).

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

With FRM-AI up to 24 individual detection zones are precisely reflected off of the floor in a

rectangular pattern for unparalleled performance.

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.

The DH17i was designed to replace in-ground loop detectors by providing identical features in an easy to install overhead mounted device. It can provide either motion or presence detection as far as 20 feet (6m) from the door thanks to a flexible housing that can adjust to a variety of applications. While the overall pattern size is determined by mounting height, the width and depth of the sensing pattern can be altered electronically. All adjustments are available without the use of proprietary set-up devices.

Technical Data

- Floor Reflection Method Active Infrared (FRM-AI) Technology
- 4 Presence Timer Settings Up To Infinity
- High Mount Applications Between 10 Ft. (3m) And 20 Ft. (6m)
- Up To 24 Detection Zones
- Electronic Pattern Adjustment
- 12 To 24V AC or DC Operation
- Replaces In-ground Loops
- Overhead Installation

SPECIFICATIONS

Model

DH17i

Detection Method

Floor Reflection Method Active Infrared (FRM-AI)

Installation Height

10 Feet (3m) to 20 Feet (6m)

Detection Area Adjustments

Pattern Width (Wide or Narrow)

Pattern Depth (3 or 4 Rows)

Angle Adjustment (70° left; 70° right; -30° to 120° in and out)

Detection Beams

6 Beams x 4 Rows = 24 Beams

Power Requirements

12V to 24V AC or DC ± 10%

Power Consumption

AC24V-2.8VA, AC12V-2.5VA

DC24V-75mA, DC12V-150mA

Output Contact

Form C Relay: DC30V 2A

(Resistor Load)

Output Holding Time

Approx. 0.5 Seconds

Presence Timer

2 seconds, 60 seconds,

10 minutes or Infinite

Programmable Via Dip Switch

Operation Indication

Indicator LED: Monitoring=ON,

Detection=OFF

Function Self-Diagnostic=Flash

ON and OFF

High Reflection Monitor LED:

Normal=OFF, High Reflection=ON

Enclosure Rating

IP54 (IEC60529)

Temperature Range

-4°F to 131°F (-20°C to 55°C)

Weight

Approx. 0.75 lbs. (380g)

Cover Color

Cream

Accessories

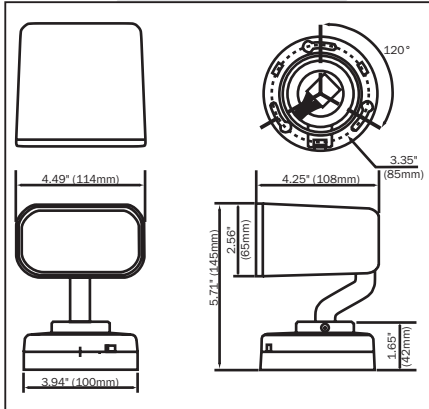
Cable: 5 ft. (1.5m)

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SENSORS & SWITCHES

DIMENSIONS



APPLICABLE STANDARDS
Enclosure Rating IP54 (IEC60529)

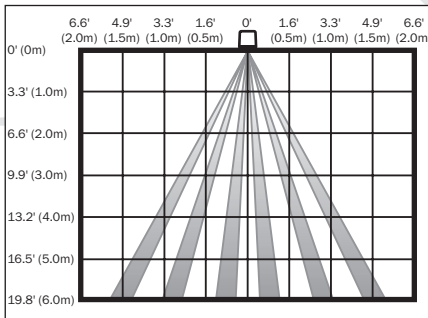
APPROVALS
CE

Installation

SETUP AND ADJUSTMENT

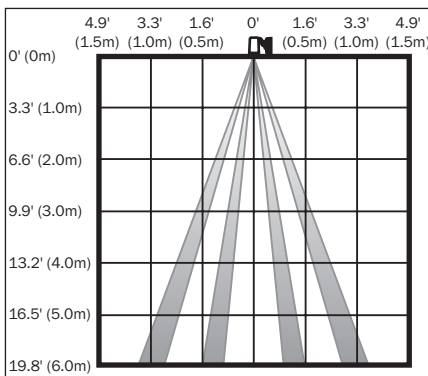
The DH17i installs easily. Simple amp connectors make wiring fast. A side lever allows pattern width to be adjusted from wide to narrow and the body of the sensor can be rotated to adjust pattern depth. The indicator LED is clearly visible with the cover on. An 8 position dip switch allows the installer to adjust the presence timer, pattern depth, frequency, monitoring modes.

COVERAGE PATTERN



Wide Pattern @ Maximum
10' (3m) Wide

Narrow Pattern & Maximum
5' (1.5m) Wide



Wide Pattern @ Maximum
6.6' (2m) Deep

Narrow Pattern @ Maximum
6.6' (2m) 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 one 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 a qualified 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.