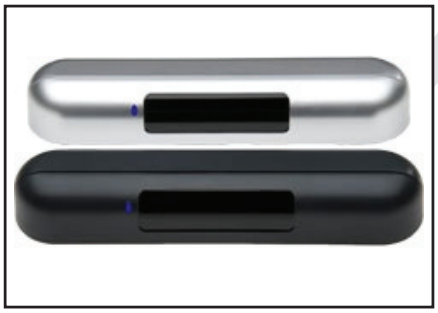
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MS SEDCO

ENGINEERED FOR MOTION

SafePath™ DHR3
Combination Microwave Motion & Active Infrared Presence Sensor

MPI MAXIMUM PATTERN INFRARED



Product Name
SafePath™ DHR3
Combination Microwave Motion and Active Infrared Presence Detector

Erich Industries, Inc.
DoorSensors.com
1-800-882-5839
sales@erichindustries.com

Product Description

BASIC USE

The SafePath™ DHR3 is a combination microwave and active infrared motion/presence sensor designed to provide both activation and safety protection for automatic sliding and folding doors.

The DHR3 is based on the most reliable microwave and 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.

The DHR3 provides motion detection as far as 10.5 feet (3.2m) from the door while simultaneously providing a dense zone of presence detection at the threshold of the door.

The DHR3 is designed for easy field installation and adjustment. The pattern width and depth are both mechanically adjustable. In addition, the depth can be altered electronically from 5 to 2 rows. All adjustments are available without the use of proprietary set-up devices.

Technical Data

- Doppler Shift Radar & Active Infrared Reflection Technology
- One Sensor Provides Complete Motion & Presence Detection
- 4 Presence Timer Settings
- Mounts Up To 10.5' (3.2m)
- Electronic Depth Adjustment
- 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

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.

SPECIFICATIONS

Model	DHR3
Detection Method	Doppler Shift Radar & Active Infrared Reflection
Max. Installation Height	10.5 ft. (3.2m)
Power Requirements	12V to 24V AC or DC ± 10%
Power Consumption	AC24V-2.5VA, AC12V-2.5VA DC24V-65mA, DC12V-140mA

INFRARED SENSOR

Detection Method	Active Infrared Reflection
Output Holding Time	0.5 seconds
Response Time	0.1 to 0.2 seconds
Presence Timer	2, 30, 60 seconds or infinity
Output Contact	7.5mA Max (Resistor Load), 55V DC Max Voltage, 50mA MAx Current

MICROWAVE SENSOR

Detection Method	Doppler Shift Radar
Operating Frequency	24.15 GHz
Output Holding Time	1.5 seconds
Response Time	0.1 to 0.2 seconds
Output Contact	Form C Relay, DC50V 0.1A Resistor Load

Operation Indication

GREEN LED = Standby
GREEN Blinking LED - Doorway Learning (when dip switch Ⓨ5 is ON)
BLUE LED = Radar Detecting
RED LED = IR Detecting/Radar and IR Detecting
Orange LED= Detection row "ROW 1 ("ROW 2" when "Doorway Learn" is turned ON) is detecting door movement
ORANGE Blinking (Fast) LED = Indicates a change of dip switch settings
ORANGE Blinking (Slow) LED = Door Hold is turned ON (When dip switch Ⓨ4 is ON)
GREEN/RED Blinking (Fast) LED = Internal Sensor Error
GREEN/RED Blinking (Slow) LED = Reflected infrared signal from the floor is very low

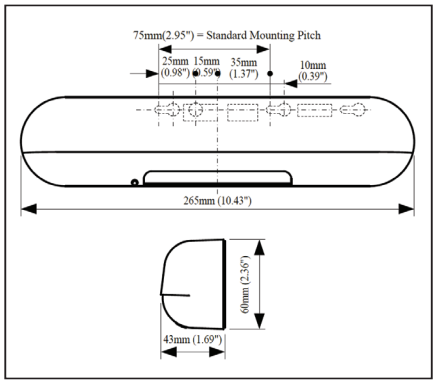
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Enclosure Rating	IP54 (IEC60529)
Temperature Range	-4°F to 140°F (-20°C to 60°C)
Weight	Approx. 0.58 lbs. (0.28 kg)
Cover Color	Black, Silver
Accessories	Cable: 8.2 ft. (2.5m) Mounting Screws Mounting Template Installation Instructions

DIMENSIONS



APPLICABLE STANDARDS

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

APPROVALS

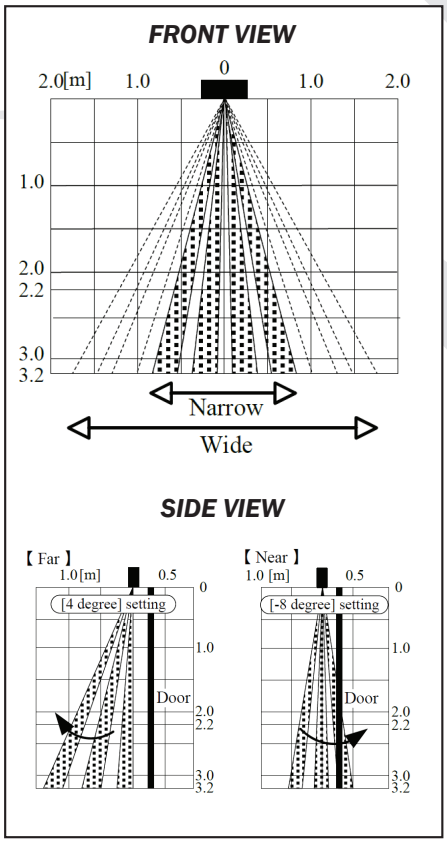
CE

Installation

SETUP AND ADJUSTMENT

The DHR3 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 multiple-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.

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