



ENGINEERED FOR MOTION



SafePath™ DH100-CT Sliding Pedestrian Door Motion & Presence Sensor



Product Name

SafePath™ DH100-CT

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

Contact Information

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Product Description

BASIC USE

The SafePath™ DH100-CT is an active infrared presence sensors that is designed to provide both activation and safety detection for automatic sliding and folding doors in a single device.

The DH100-CT 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 60 individual detection zones are precisely reflected off of the floor in a rectangular pattern meeting and exceeding ANSI A156.10 guidelines.

The DH100-CT 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

- Floor Reflection Method Active Infrared Technology (FRM-AI)
- One Sensor Provides Complete Presence Detection
- Test Input provides sensor monitoring capabilities as required by the latest industry standard.
- Pattern depth and width are adjustable using mounting height, dip switches, detection area depth, and detection area width adjustments.
- Frequency can be changed to prevent interference from other sensors in close proximity.
- Self-Diagnostic means the sensor continuously monitors itself.
- Monitor Mode Switch ensures against false operation caused by snow, leaves, insects, etc.
- Programmable Presence Timer (2 sec., 30 sec., 60 sec., or infinity).

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	DH100-CT
Detection Method	Floor Reflection Method Active Infrared (FRM-AI)
Max. Installation Height	9.84 ft. (3.0m)

Sensitivity Adjustment

Variable (via potentiometer)

Detection Area Adjustment

Pattern Depth (2 to 5 rows via dip switch setting) and
Angle Adjustment Levers (Outer 2 Rows 10° in 3 steps; Inner 3 Rows 8° in 3 steps)
Pattern Width via 2 Position
Mechanical Mask Knobs
(Outer 2 Rows = Narrow or Wide
Inner 3 Rows = Single or Double Door)

Detection Beams

Up to 48 Beams
(Inner 2 Rows: 12 Beams x 2 Rows)
(Outer Rows: 8 Beams x 3 Rows)

Presence Detection

1, 2 & 3 Inner Rows (Safety)
Timer Selectable 2, 30, 60 sec. and infinity

Motion Detection

4&5 Outer rows (Approach)
Timer Selectable 2, 30 sec.

Power Requirements

12V to 24V AC or DC ± 10%

Power Consumption (Max.)

AC12V-1.5VA, AC24V-2.0VA
DC12V-80mA, DC24V-50mA

Output Contact

Form C Relay, DC50V 0.1A
(Resistor Load)
Yellow Wire = Normally Open
Green Wire = Normally Closed
White Wire = Common
Relay is "driven" when power fails

Output Holding Time

Approx. 0.5 Seconds

Presence Timer

Outer 2 Rows (2, 30 sec.)
Inner 3 Rows (2, 30, 60 sec. & infinity)

Operation Indication

Red LED = Detecting
Green LED = Standby
Orange LED = Detection row "ROW 1" is too close to the door

Temperature Range

-4°F to 140°F (-20°C to 60°C)

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Weight

Approx. 0.55 lbs. (0.25 kg)

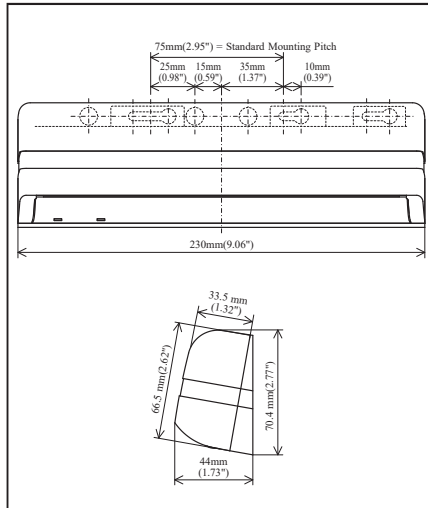
Cover Color

Black

Accessories

Cable, 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

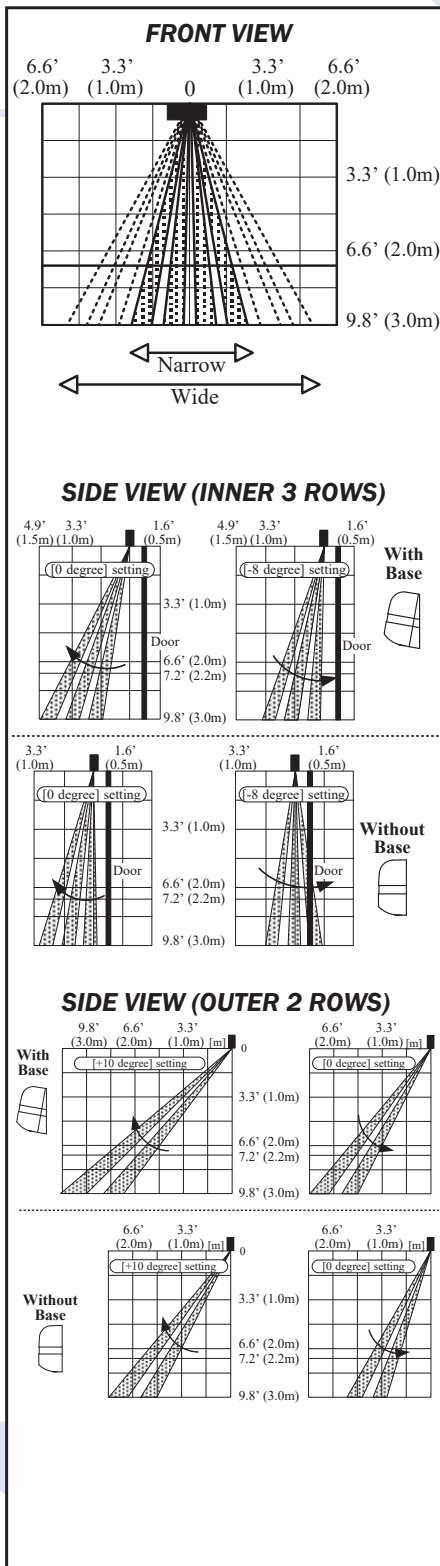
CE

Installation

SETUP AND ADJUSTMENT

The DH100-CT 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.