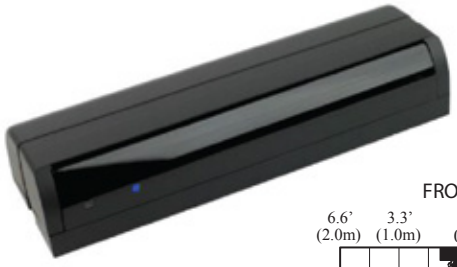
SLIDING PEDESTRIAN DOOR

SAFEPATH™ DH100-CT

MOTION & PRESENCE SENSOR



MONITORING CAPABILITY

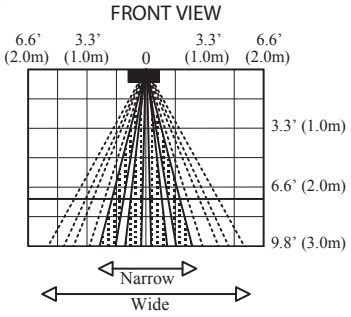
The SafePath™ DH100-CT is an active infrared presence sensor that is designed to provide both activation and safety detection for automatic sliding and folding doors in a single device.

The DH100-CT is based on the most reliable active infrared (AI) technology available—Floor Reflection Method (FRM).

With FRM-AI, up to 48 individual detection points 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.

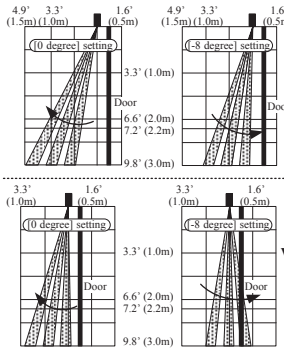
COVERAGE PATTERN



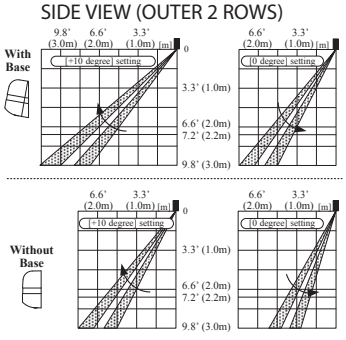
TECHNICAL DATA

- 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).

SIDE VIEW (INNER 3 ROWS)



SIDE VIEW (OUTER 2 ROWS)



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	Presence Detection
Motion Detection	4&5 Outer rows (Approach)
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 (1 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)
Weight	Approx. 0.55 lbs. (0.25 kg)
Cover Color	Black
Accessories	Cable, Mounting Screws, Mounting Template, Installation Instructions

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