COMBINED DOOR ACTIVATION AND SAFETY SENSOR

Long Range Motion and Presence Detection

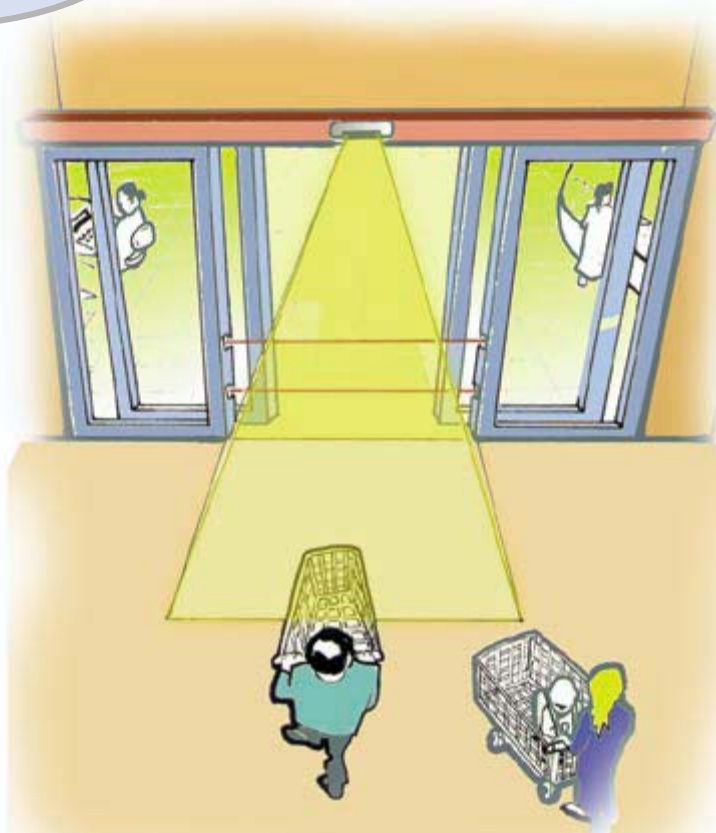
HR100

Detection range of up to 2m from the door when installed at a height of 2.2m; the ideal sensor for supermarkets, airports etc

Safety rows can be focused near the door close area while independently motion detection rows can be angled away from the door for timely detection of fast moving pedestrians.

FEATURES

- Long reach approach detection (1.8m - 2m from the door at a 2.2m installation height.)
- Inner 2 rows have presence timer settings of 2, 15, 60 seconds and infinity(∞) to give the highest level of safety in front of the door.
- Presence timer for outer 2 rows can be independently set to 2 or 15 seconds.
- The Angle of Inner 2 rows and Outer 2 rows can be adjusted separately using an angle adjustment lever.
- The Inner 2 rows of presence detectors can be focused directly in front of the door to ensure safety while the outer 2 rows can be focused away from the door to ensure timely detection of shopping carts and fast moving people.
- Snow mode and normal mode to prevent malfunctions due to falling snow and flying insects.
- The sensing depth from the door can be adjusted by electronically removing rows 5, 4, 3 or 2 as required.
- 4-frequency setting to avoid cross interference between sensors in close proximity.
- Operation 12-24V AC/DC, Form C common relay.



HOTRON®

MEETING YOUR SENSING REQUIREMENTS

www.hotron.com

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CE

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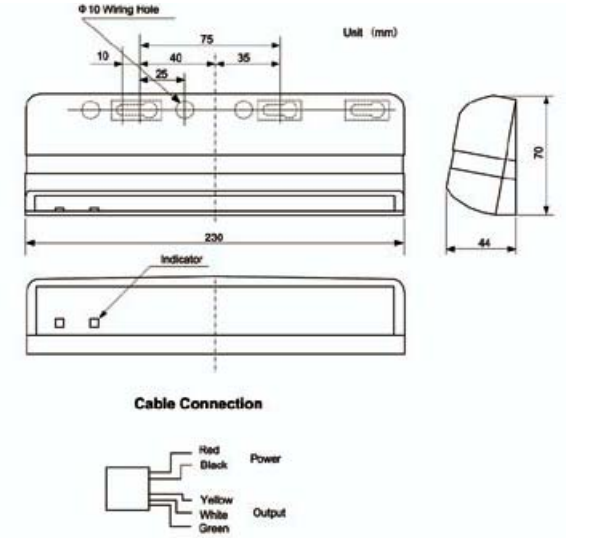
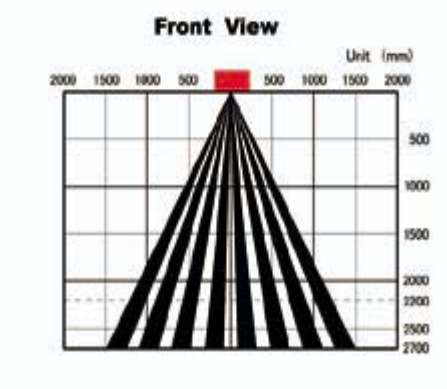
Dimensions

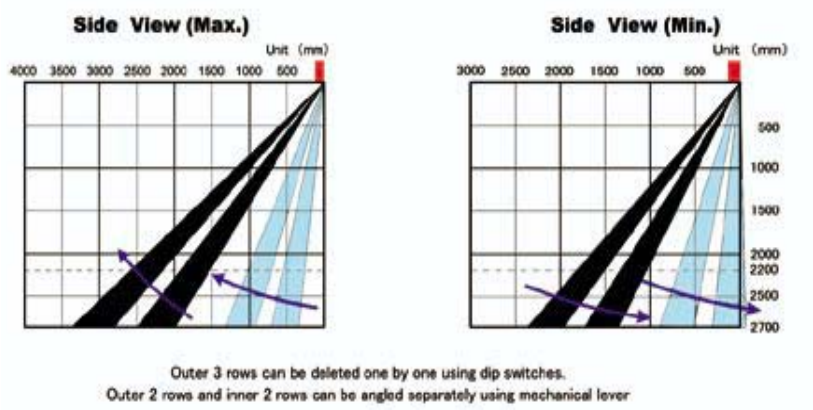


Model	HR100 (Motion & Presence)
Detection Method	Active Infrared Detection
Installation Height	Max 2700 mm
Pattern Adjustments	Angle Adjustment: Inner 2 rows 0° to 8° in 5 steps Outer 2 rows 0° to 10° in 5 steps Pattern Depth: 1 to 4 rows
Presence Timer	2, 15, 60sec. & ∞ (Inner 2 rows) 2, 15, sec. (Outer 2 rows)
Power Supply	12 to 24V AC or DC ±10%
Power Consumption	AC12V-1.5 VA , AC24V-2.0VA DC12V-80mA , DC24V-50mA
Output Contact	Relay contact : DC50V 0.1A (Resistance Load) Relay with "Fail Safe" function
Output Holding Time	Approx. 0.5 sec.
Indication	Power on: Green = ON Detecting: Red = ON Detecting Door: Orange = ON
Temperature Range	-20°C to +60°C
Weight	Approx. 250g
Color	Black
Accessories	Connection Cable, Mounting Template, Mounting Screws, Installation Instructions.

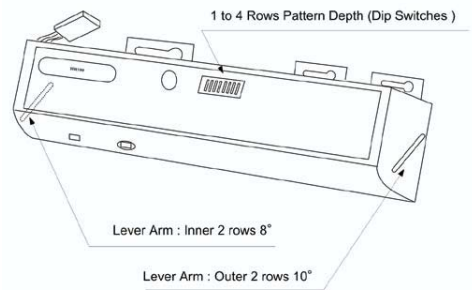
NOTE: Specifications may change without prior notice

Detection Area

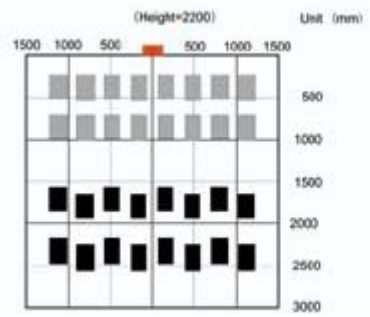




Pattern Adjustment



Plan View (Max.)



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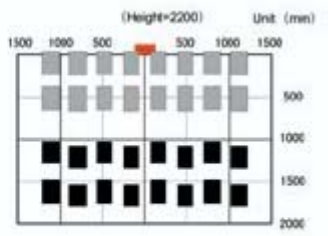

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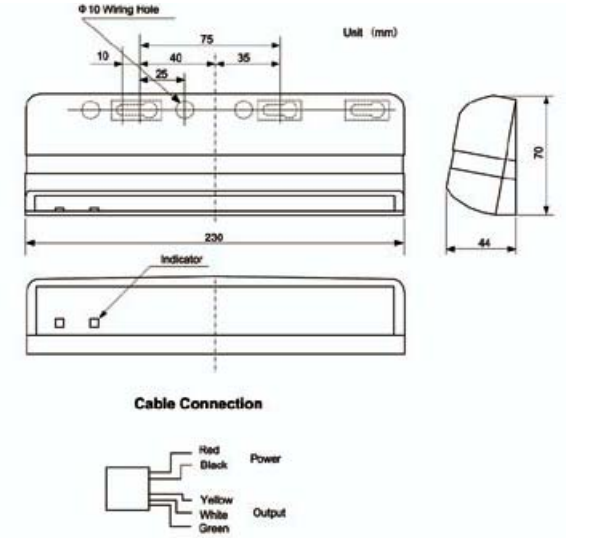

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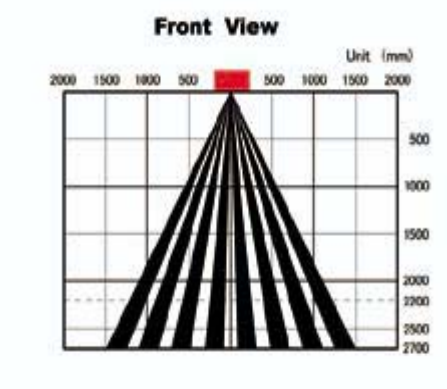

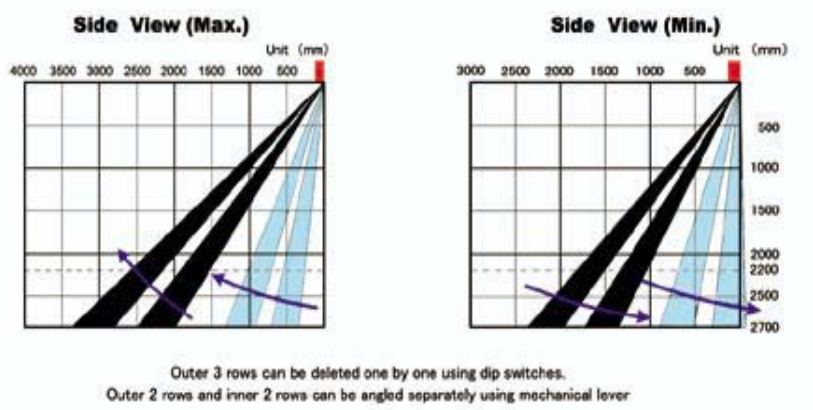

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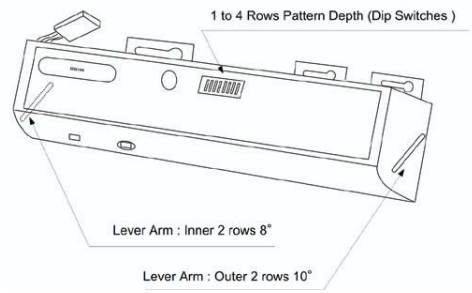

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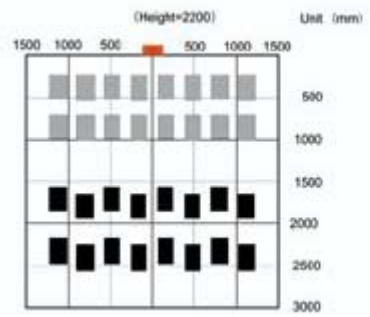

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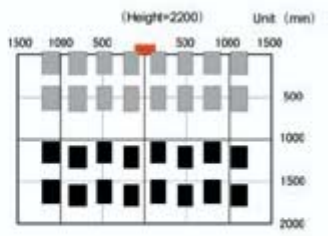

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