INDUSTRIAL DOOR ACTIVATION SENSORS

Active Infrared Motion and Presence Detection

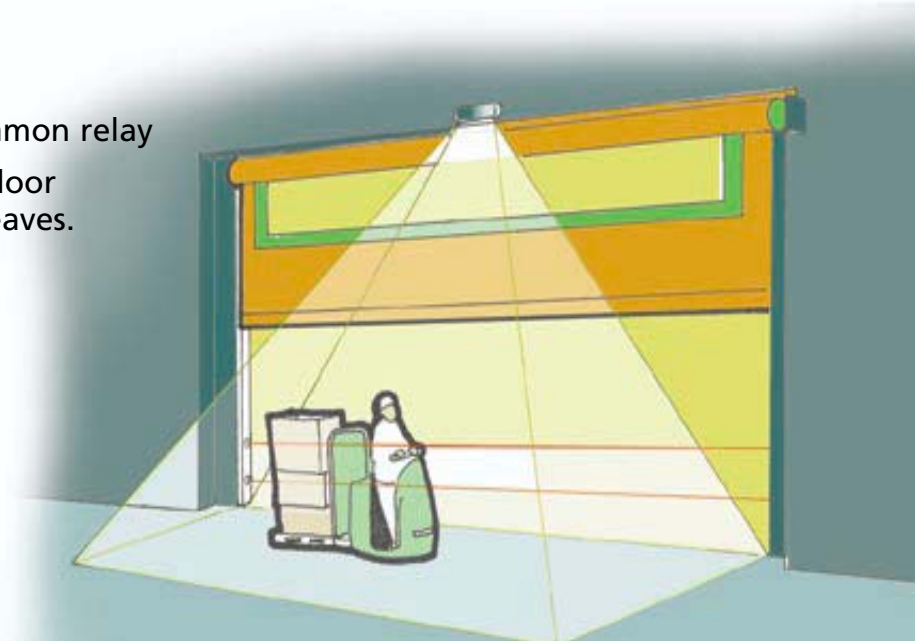
HR98i

Active Infrared Motion and Presence detection sensor specifically designed for the industrial door activation.

Infinity presence timer setting increases user safety and ensures that fast roll doors are not damaged by objects left in the door close area.

FEATURES

- Installation height up to 4m
- Presence detection capability ensures safety in and around the door close area.
- Presence timer settings adjustable to 2 seconds, 1 min, 10 min, and infinity(∞).
- The sensing area consists of 4 rows of beams parallel to the door. Each row contains 12 individual beams.
- Sensing area, presence timer, body angle and sensitivity can be easily adjusted.
- 4-frequency setting to avoid cross interference between sensors in close proximity.
- Slim attractive design.
- Operation 12-24V AC/DC, Form C common relay
- Excellent filter to avoid unnecessary door openings caused by falling snow or leaves.



HOTRON®

MEETING YOUR SENSING REQUIREMENTS

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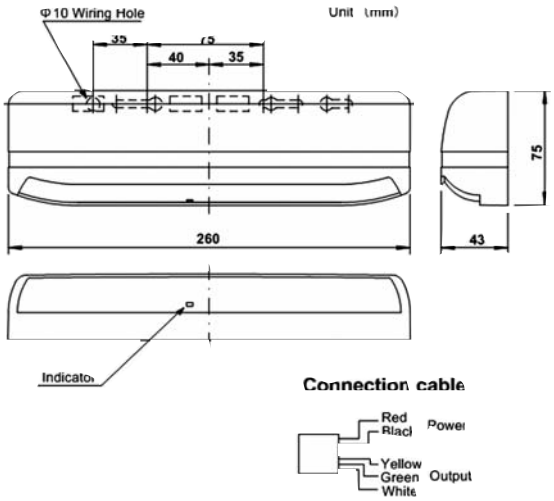
HR98i

CE

Active Infrared Motion and Presence Detection

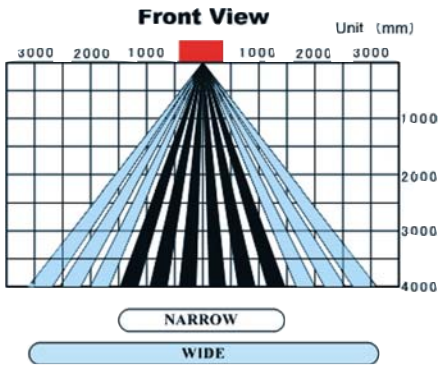
Dimensions

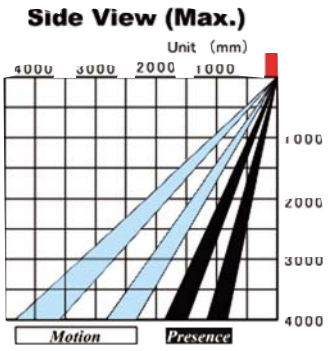


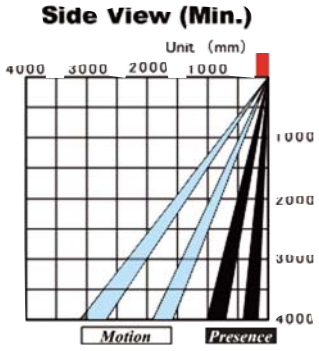
Model	HR98i (Motion & Presence)
Detection Method	Active Infrared Detection
Installation Height	2400 to 4000 mm
Pattern Adjustments	Wide or Narrow Pattern Width (Side Dial) 1 to 4 Rows Pattern Depth (Dip Switches) Angle Adjustment 0°to 10° in 5 steps (Body Angle)
Presence Detection	Rows 1 & 2 (Door side)
Motion Detection	Rows 3 & 4 (Approach side)
Presence Timer	2 sec. 1 min. 10 min. ∞
Power Supply	12 to 24V AC or DC ±10%
Power Consumption	AC24V-3VA , AC12V-3VA DC24V-75mA , DC12V-150mA
Output Contact	Relay contact : DC50V 0.1A (Resistance Load) Yellow Cable: Close when detecting Green Cable: Open when detecting White Cable: Common
Output Holding Time	Approx. 0.5 sec.
Indication	Power on: Green = ON Detecting: Red = ON Hunting Door : Orange = ON Self Diagnostic Function: Red/Green = Flashing
Temperature Range	-20°C to +60°C
Weight	Approx. 350g
Color	Black
Accessories	Connection Cable Mounting Template Mounting Screws Installation Instructions

NOTE: Specifications may change without prior notice

Detection Area

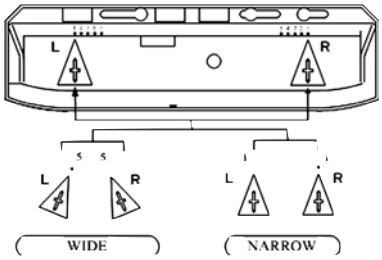


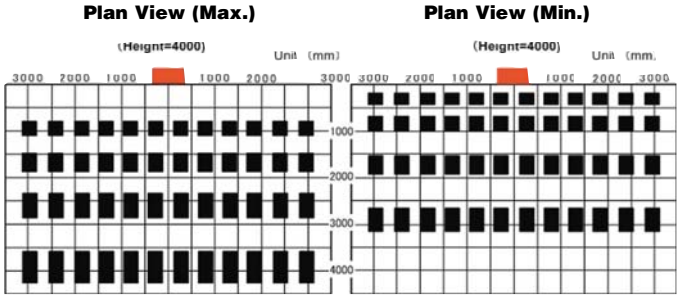




• Outer 3 rows can be deleted one by one using dipswitches.

Width Adjustment





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