HOTRON

HR100

Brand New Active IR Motion and Presence Sensor specifically designed for long range detection (reaches 1.8m~2m when installed at 2.2m high) with maximum safety in the door close area.

Feature

- Long reach approach detection (1.8m ~2m from the door at 2.2m high installation)
- Inner 2 rows have presence timer of 2, 15, 60 sec. and infinity to give the highest level of safety in front of the door.
- Presence timer for outer 2 rows can be 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.
- Smart design to suit with all door types.
- Snow mode and normal mode to prevent the malfunctions due to falling snow, leaves or flying insects.
- Operation 12-24V AC/DC
- 4 frequencies to avoid cross interference between sensors.
- Adjustable sensitivity to optimize performance.
- Fail Safe Function (When power fails)

❖ **Removable back plate for use when "look back" is required for inner rows**

IN CONTROL

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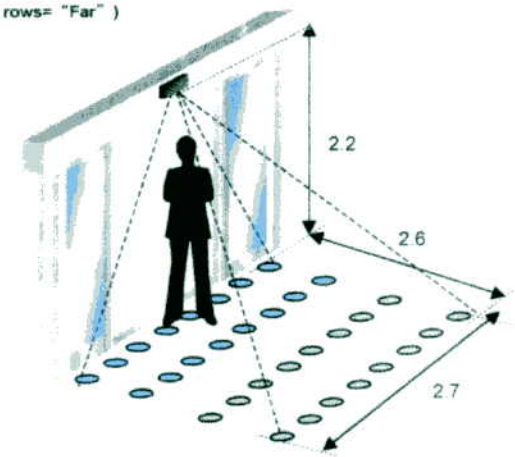
HR100-42

Active Infrared Motion & Presence Sensor

For Long Range Detection Combined With Door Threshold Safety

Beams Area (m)

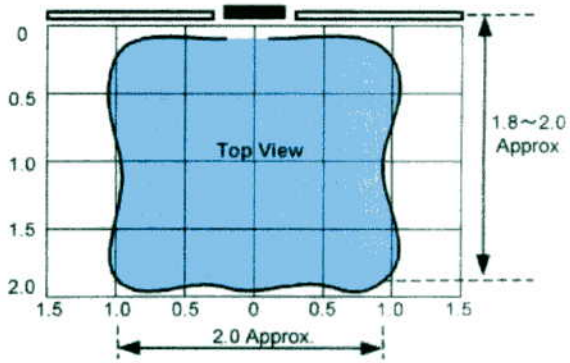
(Outer rows= "Far")



Sensing Area (m)

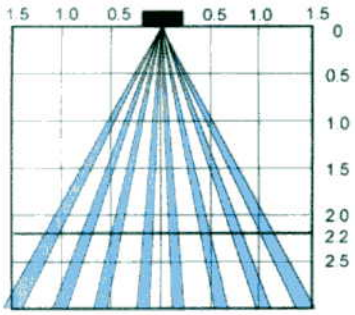
Top View

(Actual detection zone when installed at 2.2m high)

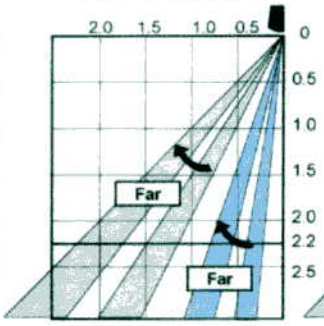


Positions of Infrared Beams (m)

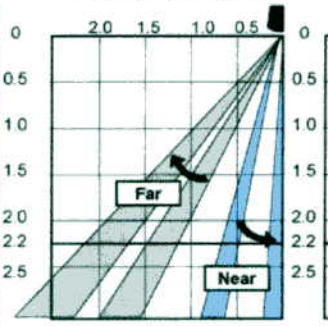
Front View



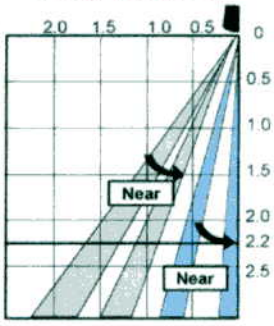
Side View-1



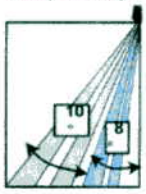
Side View-2



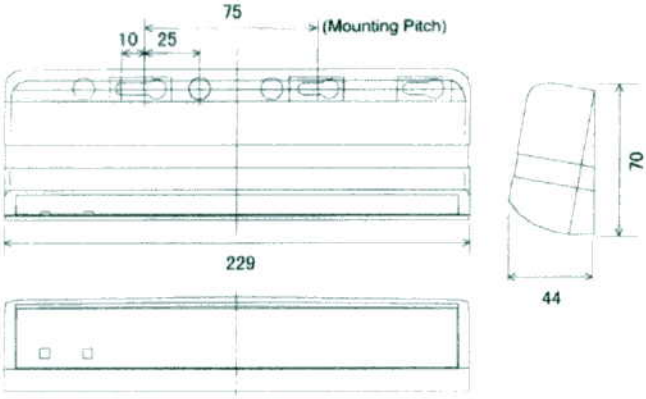
Side View-3



Angles of Outer and Inner Rows can be adjusted independently.



Outer Dimensions (mm)



Connections

Brown:	**Outer N.O.**	**Yellow:**	**Inner N**
Grey :	**Outer N.C.**	**Green:**	**Inner**
Blue:	**Outer COM**	**White:**	**Inner C**

Specifications

Model	HR100 Motion and Presence Sensor		
Detection Method	Active Infrared Reflective Detection		
Height	2,700mm(9ft)		
Depth Detection Adjustment	Electronically	Dip SW	Pattern Depth 1 to 4 rows
	Mechanical lever	Inner 2 row	0° to 8° adjustable
		Outer 2 row	0° to 10° adjustable
Sensitivity Adjustment	By Potentiometer		
Monitoring Mode	DIP SW	Normal or Snow mode	
Interference Prevention	DIP SW	One of 4 frequencies can be selected	
Output Holding Timer	Approx. 0.5 seconds		
Presence Timer	Inner 2 Rows	2, 15, 60, sec. or Infinity	
	Outer 2 Rows	2, 15 sec.	
LED Indication	3 colour LED for indicating the state of Power Supply and Detection.	Green	Standby
		Red	Detecting
		Orange	The inner row is focused too close to the door
Power Supply	AC/DC 12 to 24V		
Power Consumption	AC12-1.5VA(Max)		
	DC12V-80mA(Max)		
	AC24V-2.0VA(Max)		
	DC24V-50mA(Max)		
Output Contact	**2 OFF** Form C Relay, DC50V @0.1A		
Operating Temperature	-20 to +60 Deg.C (-4 to 140 Deg. F)		
Weight	0.55 lbs. (0.25kg)		
Colour	Black		
Accessories	Cable, Mounting Screw (2pcs), Mounting Template, Installation instruction		

Notice: Specification may be changed without prior notice.