

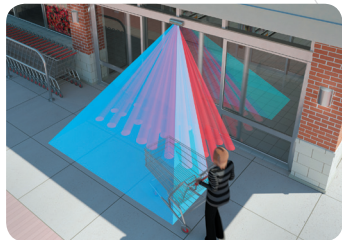


## 3H-IR14

Activation + Safety

# Sliding Door Activation and Pedestrian Safety in one Compact Sensor

Infrared Technology, Single Relay Output



- **Compact**  
Smallest sensor on the market that combines door activation with pedestrian safety in one product
- **Pedestrian Safety**  
Double curtain of infrared safety beams protects pedestrians from dangerous automatic door movements
- **Energy Efficient**  
Accurately adjustable detection area reduces false door activations in busy urban environments
- **Reliable**  
Intelligent software along with internal sensor self monitoring ensures safe and reliable operation in all installation environments



[www.hotron.com](http://www.hotron.com)

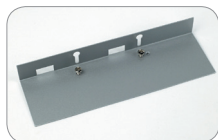
**HOTRON**  
INSPIRING CONFIDENCE

# 3H-IR14

Activation + Safety

MOTION & PRESENCE SENSOR <b>3H-IR14</b>		Quantity of Rows 1 2 3 4 5 6 7 8 R4 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> R3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> R2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> R1 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Presence Timer 2s <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 30s <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 60s <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ∞ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Frequency A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Monitor Mode Normal <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Snow <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Self-Monitoring OFF <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Angle Width Wide <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Narrow <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Sensitivity
LOT No. _____ Power Supply: AC/DC12~24V±10% 50/60Hz Output: Form C Relay DC50V 0.1A(Resistor Load) Wiring: Power RED & BLACK Output WHITE(COM) YELLOW(N.O.) GREEN(N.C.)		※. R3 & R4 are set to "2s" at "∞" setup.		Designed by HOTRON JAPAN		

## Accessories



UTB  
Under mounting bracket



WC\_IR/BL  
Black Weather Cover



HA-130  
Internal Mounting bracket



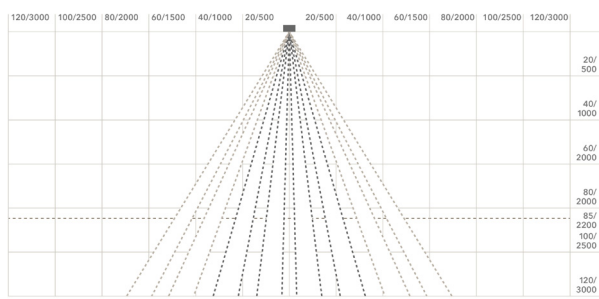
BF-1  
Spot-finder installation tool

## Technical Specification

Model	3H-IR14	
Detection Method	Active Infrared Reflection	
Installation Height	3.0m (9.84ft) Max	
Sensor Dimensions	210mm (W), 59mm (H), 28.5mm (D)	
Sensitivity Adjustment	Available	
Detection Area Adjustment	Width Adjustment: Wide or Narrow Depth Adjustment: Angle Adjustment 0° to +5° Delete DetectionRows: Row 4 to Row 1	
Presence Timer	2sec, 30sec, 60sec and infinity	
Frequency	4 Frequencies	
Monitor Mode	Normal / Snow	
Self-Monitoring	OFF / ON	
LED Indication	Standby	= Green
	Detecting	= Red
	Door movement is detected	= Orange
	Waiting for reset	= Orange blinking
	Reflection Diagnostics	= Green/Red blinking
Power Supply	12 to 24V AC or DC ± 10%	
Power Consumption	AC12V-1.3 [VA] (Max), DC24V-1.5 [VA] (Max) DC12V-65 [mA] (Max), DC24V-35 [mA] (Max)	
Output	Relay Contact 1c DC50V 0.1A (Resistance load) Fail safe	
Output Holding Time	Approx 0.5 sec	
Operating Temperature	-20°C to +60°C, (-4°F to +140°F)	
Weight	Approx. 0.18kg (0.40 lbs)	
Available Colours	Black: Product Code	= 3H-IR14/BL
	Silver: Product Code	= 3H-IR14/S

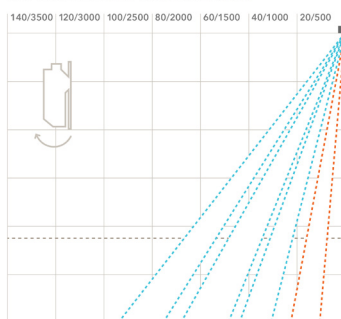
## Detection Area (inches/mm)

Front View Unit - Inches / Millimetres

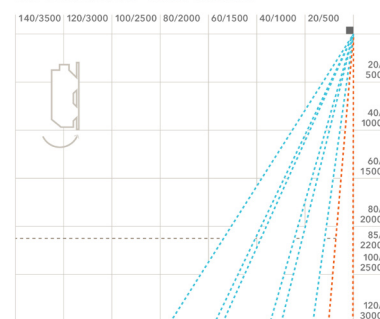


Narrow Wide

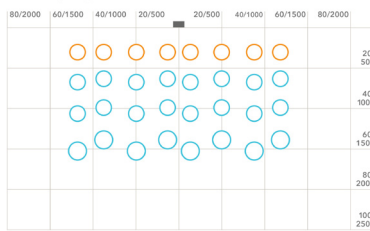
Side View (Max.) Unit - Inches / Millimetres



Side View (Min.) Unit - Inches / Millimetres

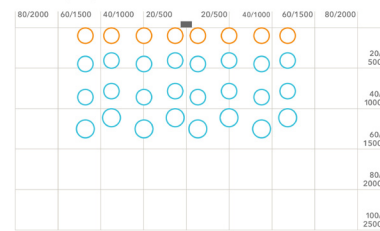


Plan View (Max.)



Unit - Inches / Millimetres  
Installation Height = 85/2200

Plan View (Min.)



Unit - Inches / Millimetres  
Installation Height = 85/2200