

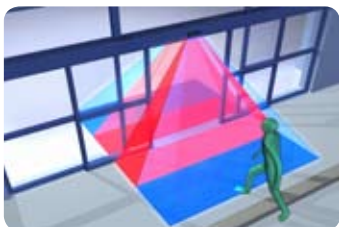


## HR100 HR100-2

Activation + Safety

### Combine Long Range Automatic Door Activation with Superb Pedestrian Safety

Innovative dual relay output technology provides pedestrian door activation and extensive safety at mounting heights of up to 3m



- **Two Sensors in One**  
Guarantee optimum door usage efficiency through separate adjustment of door activation and pedestrian safety detection zones
- **Timely Door Opening**  
Guarantee immediate detection of fast moving traffic up to a detection distance of 2m from the door face<sup>1</sup>  
<sup>1</sup> Installation height of 2.2m
- **Safety Beam Installation Optional**  
Eliminate the requirement for safety beams through separate relay outputs for activation and safety<sup>2</sup>  
<sup>2</sup> Depending on door type and national regulations in force
- **Improved Pedestrian Safety**  
Enhance safety in front of the door close area with a focused 24 spot infrared safety curtain



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



# HR100 HR100-2

Activation + Safety



## Technical Specification

Model	HR100 (Single Relay) HR100-2 (Dual Relay) Pedestrian Door Activation + Safety
Detection Method	Active Infrared Detection
Installation Height	2000mm to 3000mm (6.5ft to 10ft)
Sensor Dimensions	230mm (W), 70mm (H), 44mm (D)
Pattern Adjustment	Width Adjustment: Inner 3 rows Wide or Narrow Width Adjustment: Outer 2 rows Wide or Narrow Depth Adjustment: Inner 3 rows 0° - 8° Depth Adjustment: Outer 2 rows 0° - 10° Depth Adjustment: 1 to 5 rows of detection (Dip Switch)
Presence Timer	2sec, 15sec, 1min and infinity (Inner 3 rows) 2sec and 15sec (Outer 2 rows)
IP Rating	54
Power Supply	12 to 24V AC or DC ± 10%
Power Consumption	AC24V-1.7 [VA] (Max), DC12V-110 [mA] (Max) AC24V-2.1 [VA] (Max), DC24V-60 [mA] (Max)
Output Relay	Relay contact: DC50V 0.1A (Resistance Load) Relay is driven with "Fail Safe" concept
Relay Hold Time	Approx. 0.5 sec
LED Indication	Power On = Green Detecting = Red Detecting Door = Orange
Operating Temperature	-20°C to +60°C, (-4°F to 140°F)
Weight	250g (0.55 lbs)
Available Colours	Black: Product Code = HR100/BL or HR100-2/BL (Dual Relay) Silver: Product Code = HR100/S or HR100-2/S (Dual Relay)
Accessories Provided	2.5m Connection Cable, Mounting Template, Mounting Screws, Installation Instructions

### Accessories



1200R  
Spacer for installation  
on a round door



UTB-HR100  
Ceiling attached bracket



ITB-HR100  
Ceiling recessed bracket



Cable-2.5M  
Hotron 2.5M Cable



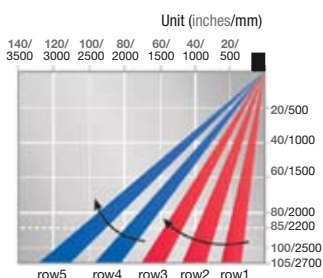
HR100-COV/BL  
Black sensor cover  
HR100-COV/S  
Silver sensor cover



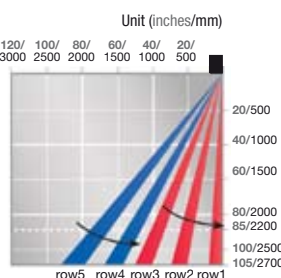
WC/BL  
Black weather cover

### Detection Area (inches/mm)

Side View (Max.)

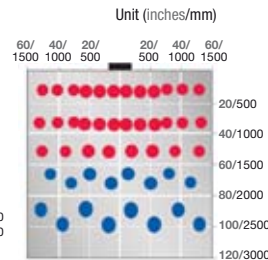


Side View (Min.)



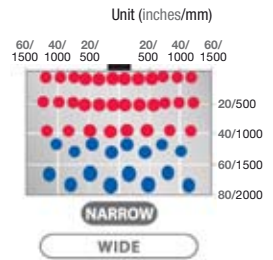
Plan View (Max.)

Installation Height = 85/2200  
Lever Arm: Inner 3 rows 8°  
Lever Arm: Outer 2 rows 10°



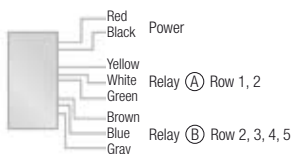
Plan View (Min.)

Installation Height = 85/2200  
Lever Arm: Inner 3 rows 0°  
Lever Arm: Outer 2 rows 0°



### Wiring Information

#### HR100-2



#### HR100

