

HR100 DATASHEET

Sensor Partners BV

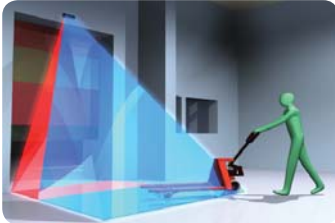
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HR100 HR100-2

Activation + Safety

Innovative Combined Activation & Safety for Small Industrial Doors

Independently adjustable door activation and pedestrian safety detection zones 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**
Ensure timely door opening with a detection area of 3m wide x 3m deep¹
¹ Installation height of 3m
- **Maximise Pedestrian Safety**
Maintain full pedestrian safety in the door danger zone thanks to static presence detection technology combined with separate relay outputs for safety and activation
- **Eliminate Door/Goods Damage**
Prevent door closures on static objects left in the door close zone by utilizing the HR100's infinity presence timer setting

HR100

HR100-2

Activation + Safety



Technical Specification

Accessories



UTB-HR100
Ceiling attached bracket



ITB-HR100
Ceiling recessed bracket



Cable-8M
Hotron 8M cable



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

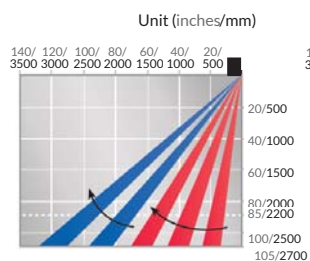


WC/BL
Black weather cover

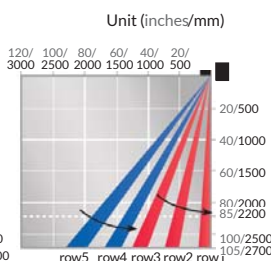
Model	HR100-8m (Single Relay) HR100-2-8m (Dual Relay) Industrial Door Activation + Safety	
Detection Method	Active Infrared Detection	
Installation Height	2000mm to 3000mm (6.5ft to 10ft)	
Sensor Dimensions	230mm (W), 70mm (H), 44mm (D)	
Pattern Adjustment	Width Adjustment: Inner 3 rows Wide or Narrow 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 \pm 10%	
Power Consumption	AC12V-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	= HR100-8m/BL or HR100-2-8m/BL (Dual Relay)
	Silver: Product Code	= HR100-8m/S or HR100-2-8m/S (Dual Relay)
Accessories Provided	8m Connection Cable, Mounting Template, Mounting Screws, Installation Instructions	

Detection Area (inches/mm)

Side View (Max.)

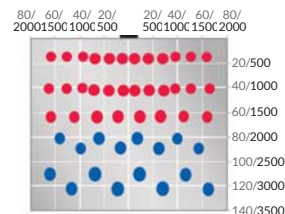


Side View (Min.)



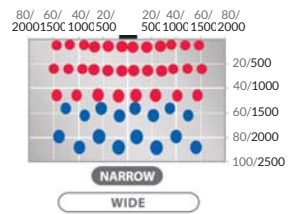
Plan View (Max.)

Installation Height = 105/2700 Lever Arm:
Inner 3 rows 8° Lever Arm:
Outer 2 rows 10°



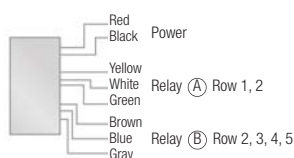
Plan View (Min.)

Installation Height = 105/2700 Lever Arm:
Inner 3 rows 0° Lever Arm:
Outer 2 rows 0°



Wiring Information

HR100-2



HR100

