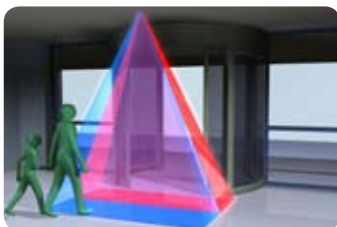# HR82C

Activation + Safety

Unobtrusive Ceiling Installed Automatic Door Activation & Pedestrian Safety

Combine activation and safety in one solution when internal ceiling installation is necessary or desired at mounting heights of up to 4m

- **Inconspicuous when Installed**
  Protrudes only 6mm from the ceiling

- **High Installation Height**
  Install at heights of up to 4m

- **Increased Pedestrian Safety**
  3-D static presence detection curtain in front of the closing door protects pedestrians from the dangers of door motion

- **Simple to Install**
  Install with ease thanks to comprehensive instructions printed on the sensor body
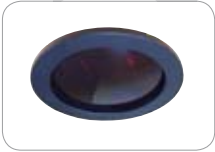
www.hotron.com

HOTRON
AUTOMATIC DOOR SENSORS

HR82C

Activation + Safety

Technical Specification

Model	HR82C Pedestrian Door Activation + Safety
Detection Method	Active Infrared Detection
Installation Height	2000mm to 4000mm (6.5ft to 13ft)
Sensor Dimensions	Exposed Diameter: 150mm
	Installation Hole Size: 126mm - 130mm
	Sensor Depth: 65mm
Pattern Adjustment	Width Adjustment: Wide or Narrow using Area Mask
	Width Adjustment: Left/Right pattern ± 10° (Lens Unit Angle)
	Depth Adjustment: 1 to 4 rows of detection (Dip Switch)
	Depth Adjustment: ± 10° (Lens Unit Angle)
Presence Timer	2sec, 15sec, 1min all rows, infinity setting for rows 1&2 only (door side)
	When infinity presence timer is set rows 3&4 (outside) default to 2sec timer
IP Rating	54
Power Supply	HR82C-A:12V AC or DC ± 10%, HR82C-B:24V AC or DC ± 10%
Power Consumption	2.5VA Max at AC, 100 mA Max at DC
Output Relay	Relay contact: DC50V 0.1A (Resistance Load)
Relay Hold Time	Approx. 0.5 sec
LED Indication	Power On = Red ON
	Detecting = Red OFF
	Self Diagnostics = Red Flashing
	High Reflection = Yellow ON
	Normal Reflection = Yellow OFF
Operating Temperature	-10°C to +55°C, (14°F to 131°F)
Weight	340g (0.75 lbs)
Available Colours	Black: Product Code = HR82C-BN/BL
	Silver: Product Code = HR82C-BN/S
Accessories Provided	3m Connection Cable, Mounting Template, Area Mask x 2, Installation Instructions

Accessories

HR82C-COV/BL
Black sensor cover

HR82C-COV/S
Silver sensor cover

HR82C-COV/W
White sensor cover

Cable-HR82C
HR82C 3M Cable

Detection Area (inches/mm)

Front View   Unit (inches/mm)

80/ 60/ 40/ 20/ | 20/ 40/ 60/ 80/
2000 1500 1000 500 | 500 1000 1500 2000

±10°   ±10°

20/500
40/1000
60/1500
80/2000
100/2500
120/3000
140/3500
160/4000

Side View   Unit (inches/mm)

100/ 80/ 60/ 40/ 20/
2500 2000 1500 1000 500

±10°

20/500
40/1000
60/1500
80/2000
100/2500
120/3000
140/3500
160/4000

Plan View (Max.)

(Installation Height = 158/4000)   Unit (inches/mm)

80/ 60/ 40/ 20/ | 20/ 40/ 60/ 80/
2000 1500 1000 500 | 500 1000 1500 2000

0
20/500
40/1000
60/1500
80/2000

Plan View (Min.)

(Installation Height = 85/2200)   Unit (inches/mm)

60/ 40/ 20/ | 20/ 40/ 60/
1500 1000 500 | 500 1000 1500

0
20/500
40/1000
60/1500