

# ISN-CC1 Ceiling Mount PIR Detectors

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- ▶ DIP switch settings
- ▶ Mirror switch for easy adjustments to coverage patterns
- ▶ 14 m (46 ft) wide angle coverage (ISN-CC1-50W)
- ▶ 30 m (98 ft) long range coverage (ISN-CC1-100N)

The ISN-CC1 Ceiling Mount Detectors include the ISN-CC1-50W and the ISN-CC1-100N models. Both models have adjustable mirrors and sensitivity levels for flexibility.

## Functions

### DIP Switch Settings

Use DIP switches to select a setting for the light emitting diode (LED), relay, and sensitivity. In the ISN-CC1-50W Ceiling Mount Detector, use the DIP switch to set pulse count.

### Indicators

Both detector models have one LED that emits red light when the detector activates an alarm. You can set the alarm LED to on or off. The LED flashes when power is initially applied and when the detector experiences a malfunction.

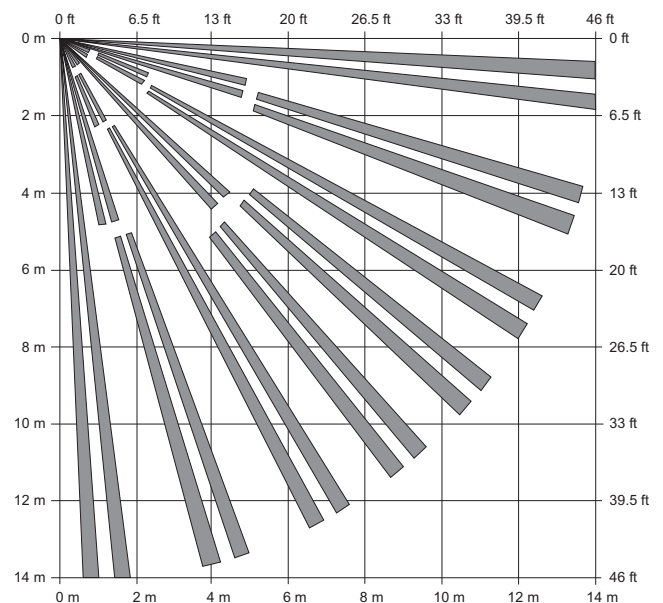
### Self-Diagnosis

Both detector models monitor for technical malfunctions. The Alarm LED flashes to indicate a problem.

## Certifications and approvals

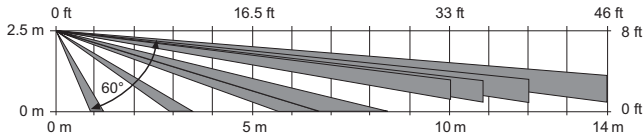
Region	Certification
USA	UL ANSR: Intrusion Detection Units (UL639) CC1

## Installation/configuration notes

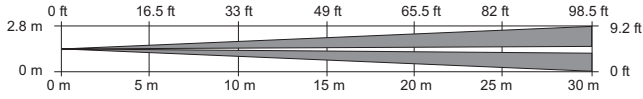


### Top View

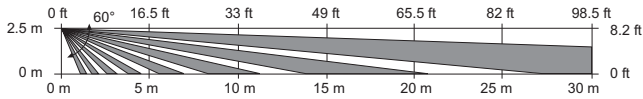
ISN-CC1-50W wide angle coverage: 14 m (46 ft) maximum range, 15 zone pairs, and 30 fingers.



**Side View**  
**ISN-CC1-50W wide angle coverage: 14 m (46 ft) maximum range, 15 zone pairs, and 30 fingers.**



**Top View**  
**ISN-CC1-100N long range coverage: 30 m (98 ft) maximum range, eight zone pairs, and 16 fingers.**



**Side View**  
**ISN-CC1-100N long range coverage: 30 m (98 ft) maximum range, eight zone pairs, and 16 fingers.**

**Mounting Considerations**

When installing the detector, mount it in a location free of rapid temperature change, vibrations, electrical or electromagnetic noise, corrosive gas and dust, sunlight, condensation, animals, and moving objects such as doors or curtains.

The recommended ceiling height is 2.5 m to 5 m (8 ft to 16 ft).

**Wiring Considerations**

Wire Gauge	Maximum Length
0.3 mm (22 AWG)	700 m (2250 ft)
0.5 mm (20 AWG)	1200 m (3900 ft)
0.75 mm (18 AWG)	1800 m (5900 ft)

**Technical specifications**

**Electrical**

Voltage (Supply):	9 VDC to 28 VDC, non-polarized
Current Draw:	25 mA

**Environmental**

Humidity:	95% RH or less, non-condensing
Temperature (Operating):	-20°C to +50°C (-4°F to +122°F)

**Mechanical**

Dimensions (diameter x height):	16 cm (6.3 in.) x 4.5 cm (1.8 in.)
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**Mirror Angle Adjustment**

• ISN-CC1-50W:	30° vertically
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• ISN-CC1-100N:	33° vertically
Weight:	190 g (6.7 oz)

**Outputs**

Alarm:	One selectable Form 1A (NO) or Form 1B (NC) semiconductor relay. Contacts rated at 0.1 A at 30 VDC.
Tamper:	One Form 1B (NC). Contacts rated at 0.1 A at 30 VDC.

**Ordering information**

**ISN-CC1-50W Ceiling Mount PIR Detector**

14 m (46 ft) wide angle coverage and 30° vertical mirror angle adjustment.  
 Order number **ISN-CC1-50W**

**ISN-CC1-100N Ceiling Mount PIR Detector**

30 m (98 ft) long range coverage and 33° vertical mirror angle adjustment.  
 Order number **ISN-CC1-100N**

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