

DHI-ARD1112C

Ceiling PIR Detector



- Resists white light of up to 6,500 lux.
- Resistant to RF interference in circuits.
- Automatic temperature compensation.

System Overview

The device detects when people move using PIR technology.

Scene

Used in entrances and exits, such as doors, windows, balconies, elevators and corridors, to protect against intrusions.

Technical Specification

Port

Alarm Output	1 × alarm output, NC/NO, 60 VDC, Max. 400 mA 1 × tamper output, NC, 28 VDC, Max. 100 mA
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Function

Indicator Light	Red indicator
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Technical

Sensor	Dual-element low-noise pyroelectric infrared sensor
Detection Mode	Passive Infrared Detection (PIR)
Sensitivity	Adjustable sensitivity
Detection Range	Distance: Φ 7 m (22.97 ft) when installed 2.5 m (8.20 ft) above the floor, Φ 12 m (39.37 ft) when installed 3.6 m (11.81 ft) above the floor and Φ 13 m (42.65 ft) when installed 4.5 m (14.76 ft) above the floor Angle: 360°
Detection Speed	0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)
White Light Resistance Level	6,500 lux
Two-way Digital Temperature Compensation	Yes
Pulse Count	1P; 2P
Operating Current	≤30 mA (12 VDC)

Alarm Current	≤10 mA
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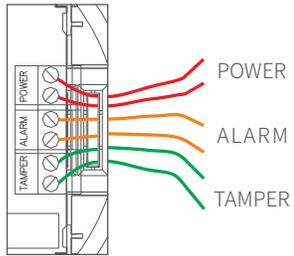
General

Power Supply	9–18 VDC
Power Consumption	0.54 W (Max.)
Operating Temperature	–10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	≤95% (RH)
Product Dimensions	33.0 mm × Φ 115.0 mm (1.30" × Φ 4.53")
Net Weight	96.3 g (0.21 lb)
Gross Weight	133.3 g (0.29 lb)
Installation	Ceiling mount at a height of 2.5 m–4.5 m (8.20 ft–14.76 ft)
Casing Material	ABS and PE
Appearance Color	White
Protection	CE
Certifications	CE
Anti-corrosion Level	Basic Protection
Storage Temperature	–10 °C to +55 °C (+14 °F to +131 °F)
Storage Humidity	≤95% (RH)
Packaging Dimensions	50.0 mm × 142.0 mm × 140.0 mm (1.97" × 5.59 × 5.51") (L × W × H)

Ordering Information

Type	Model	Description
PIR Detector	DHI-ARD1112C	Ceiling PIR Detector

Installation



Dimensions (mm[inch])

