

## Paradigm Responsive Control Series



## GENERAL INFORMATION

Buildings waste electricity as a result of lights being left on in an unoccupied room. Occupancy and Vacancy Sensors are a convenient and simple solution for any facility to eliminate wasted energy by automatically turning off lighting loads when a room is empty. The low-profile, sleek sensors can be installed anywhere to provide uninterrupted, 24/7/365 operation, without affecting the look and beauty of their surroundings.

## APPLICATIONS

- Houses of worship
- Education
- Hospitality
- Healthcare facilities
- Office buildings
- Conference rooms
- Meeting rooms
- Retail

## FEATURES

- Support for occupancy or vacancy detection as required
  - Mode programmed via commissioning software
- Passive infrared (PIR) and Acoustic sensing technology
- Two mounting options available:
  - Ceiling-Mount
  - Wall-Mount
- Multiple Lensing options available
- Walk-thru mode for coverage verification
- Field-installed coverage masks (Ceiling only)
- LinkConnect: two-wire, topology-free bus for power and communication
- Ceiling Sensor available in black and white
- Wall Sensor available in cream, black and white

## REGULATORY AND COMPLIANCE

- UL and cUL LISTED
- CE marked

## ORDERING INFORMATION

## Ceiling Mount Occupancy and Vacancy Sensors

MODEL	DESCRIPTION
P-DOC-C-SR-__	Dual Tech Occupancy Sensor - Small Room
P-DOC-C-LR-__	Dual Tech Occupancy Sensor - Large Room
P-DOC-C-HC-__	Dual Tech Occupancy Sensor - High Ceiling

Enter sensor color code in \_\_ space provided:

4 = Black (RAL 9004), 5 = Pure White (RAL 9010)

## Wall Mount Occupancy and Vacancy Sensors

MODEL	DESCRIPTION
P-DOC-W-NR-__	Dual Tech Occupancy Sensor - Narrow Coverage
P-DOC-W-WD-__	Dual Tech Occupancy Sensor - Wide Coverage

Enter sensor color code in \_\_ space provided:

1 = Cream (RAL 9001), 4 = Black (RAL 9004), 5 = Signal White (RAL 9003)

## Compatible Control Systems

MODEL	DESCRIPTION
P-ACP	Paradigm Architectural Control Processor

Note: A Paradigm Station Power Module (P-SPM) is required



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**SPECIFICATIONS****FUNCTIONAL**

- Supports software-configured Auto-On/Auto-Off functionality (occupancy sensing) or Manual-On/Auto-Off (vacancy sensing) functions
- Ceiling Sensor:
  - 360-degree coverage pattern
  - Includes configurable coverage masks
  - Small room: 450 sq. ft. at 8' ceiling, 800 sq. ft. at 12' ceiling
  - Large room: 1800 sq. ft. at 8' ceiling, 3000 sq. ft. at 12' ceiling
  - High ceiling: 300 sq. ft. at 10' ceiling, 7000 sq. ft. at 40' ceiling
- Wall Sensors
  - Wide: 60' coverage at 7-10' mounting height. 140 degree field of detection
  - Narrow: 16' by 75' coverage pattern at mounting height of 7-10'. 40 degree field of detection
- Supports walk-thru mode for verifying coverage area
  - Sensor lens illuminates for walk-thru and test mode operation
  - Red illumination for PIR detection
  - Green illumination for Acoustic Detection
- Sensor coverage tested to NEMA WD 7-2000

**MECHANICAL**

- Constructed of injection-molded, ABS plastic in Pure White (RAL9010), Black (RAL 9004) or Cream (RAL 9003 - Wall only)
- Electronics assembly and mounting accessories included
- Accessible configuration buttons
- No visible means of attachment
- Ceiling Mount:
  - Surface- or box-mountable
  - Supports drywall, plaster, wood and concrete mounting
  - Mounts to standard electrical box (supplied by others)
  - Mounts to compressed fiber ceilings with included wire mounting option
- Wall Mount:
  - Flush-mount to industry standard backbox, RACO 690 or equivalent

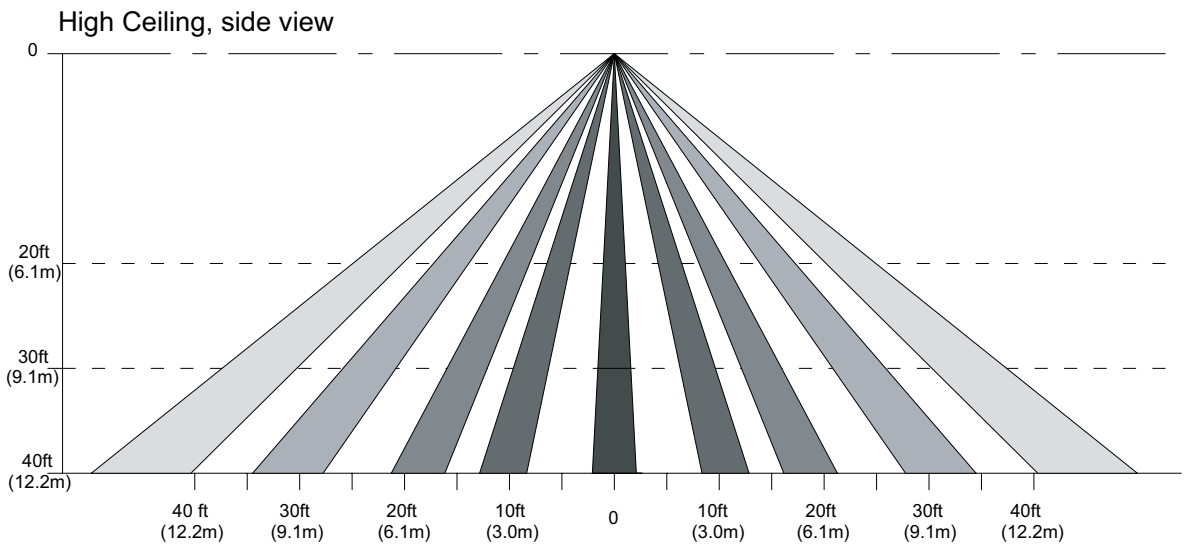
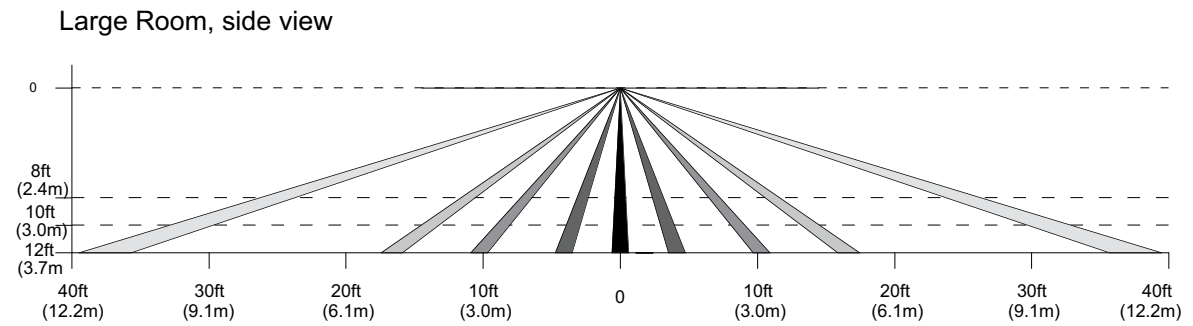
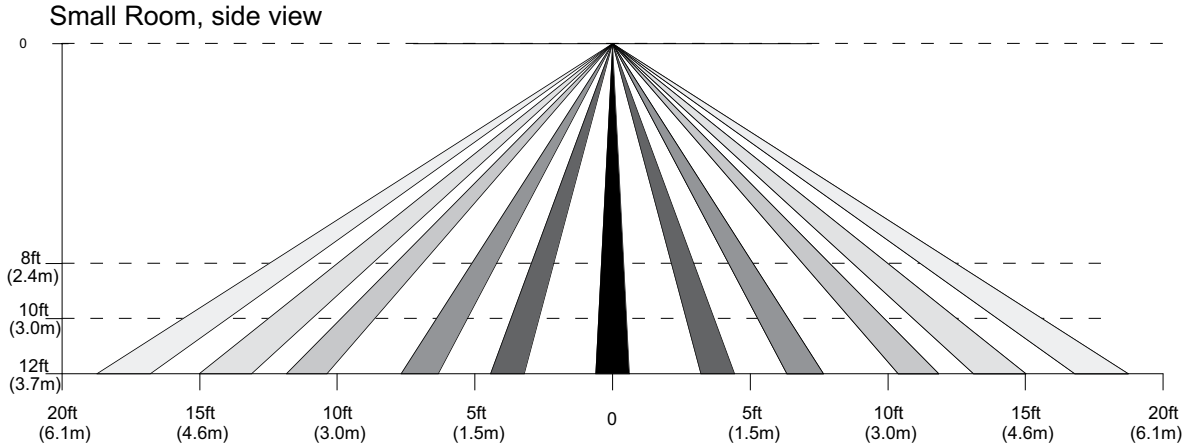
**ELECTRICAL**

- Connect via LinkConnect two-wire control network utilizing low-voltage Class 2 wiring
  - Topology-free and polarity-independent wiring over Belden 8471 or equivalent and one #14 ESD drain wire
  - Wiring may be bus, loop, homerun or any combination of these

**ENVIRONMENTAL**

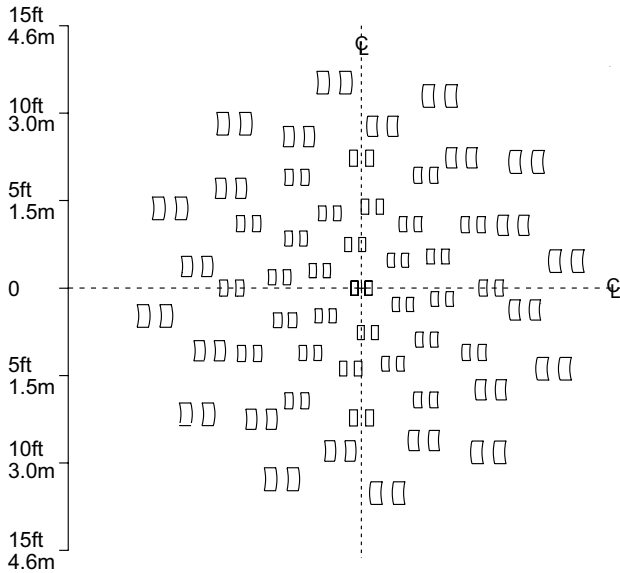
- Ambient room temperature: 0–40° C (32–104° F)
- Ambient humidity: Maximum 90% non-condensing

ROOM COVERAGE PATTERNS

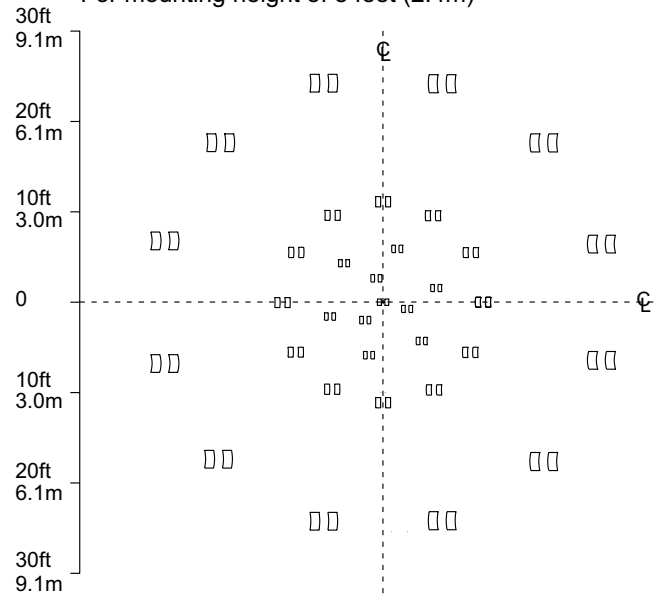


FLOOR COVERAGE PATTERNS

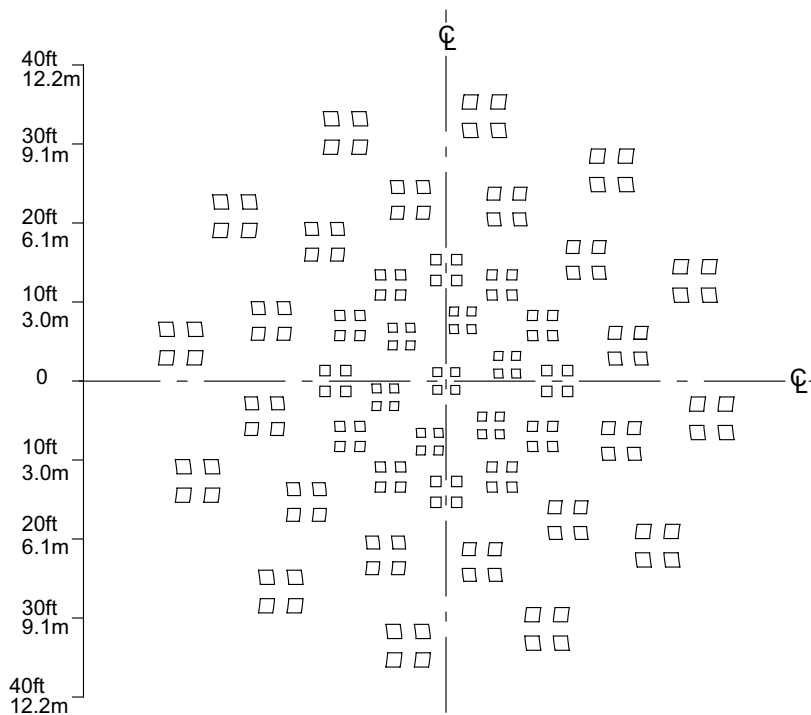
Small Room Floor Coverage  
For mounting height of 8 feet (2.4m)



Large Room Floor Coverage  
For mounting height of 8 feet (2.4m)

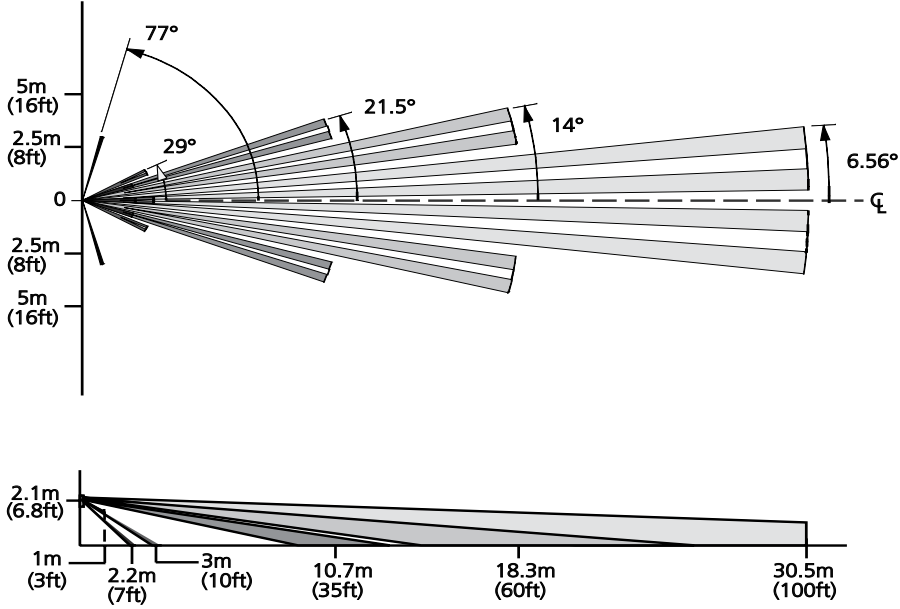


High Ceiling Floor Coverage  
For mounting height of 30 feet (12.2m)

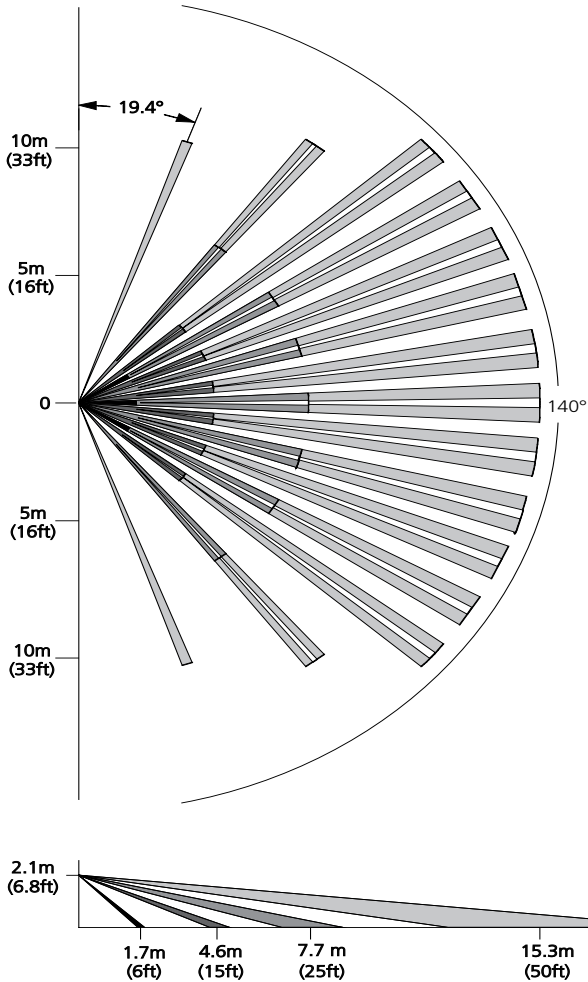


WALL MOUNT COVERAGE PATTERNS

WALL MOUNT NARROW LENS



WALL MOUNT WIDE LENS



PHYSICAL

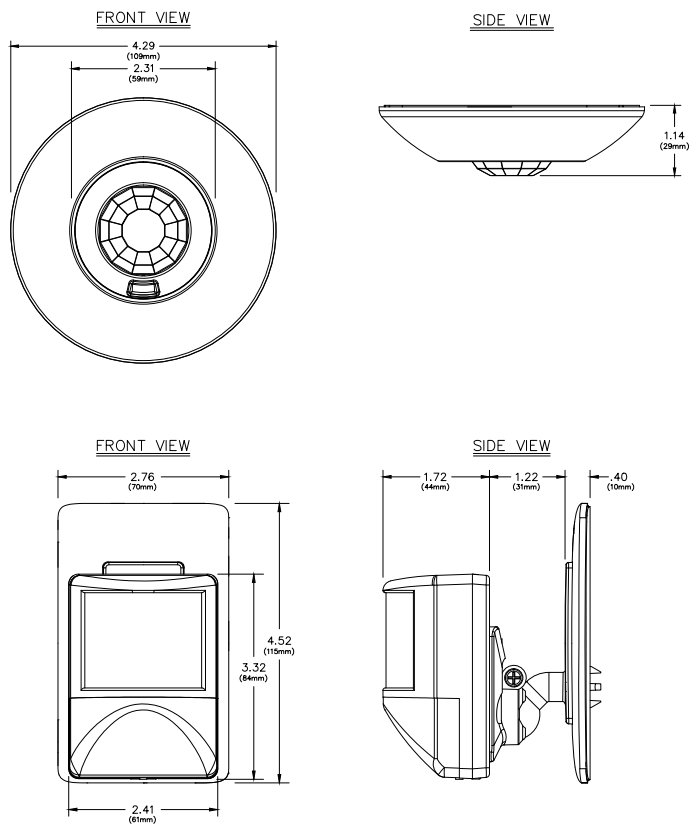
Sensor Dimensions\*

MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
P-DOC-C	4.29	109	4.29	109	1.14	29
P-DOC-W	3.32	84	2.76	70	3.34	85

Sensor Weights\*

MODEL	WEIGHT		SHIPPING WEIGHT	
	oz	g	oz	g
P-DOC-C	3.84	109	6.24	177
P-DOC-W	4.40	125	6.64	188

\*Weights and dimensions typical



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