

Enerlites®

PIR OCCUPANCY 0-10V DIMMING LINE VOLTAGE SENSOR



MODEL NO: MPC-50VD

DESCRIPTION

The ENERLITES MPC-50VD is a commercial grade line voltage ceiling mount sensor that operates lights using passive infrared (PIR) technology and 0-10V dimming. This ceiling mounted sensor operates lights ON/OFF based on occupancy and ambient light levels detected in the area. The occupancy sensor turns lights ON when motion is detected and OFF when no motion is detected for a pre-selected time delay. This ceiling sensor is compatible with either LED or 0-10V dimmable ballast. This ceiling mount motion sensor is ideal for use in offices, classrooms, common areas and other commercial areas.

FEATURES

- 360° field of view
- Dimmable 0-10V bi-level to 50 percent compliant with CA Title 24
- Four occupancy logic options give users the ability to customize control to meet application needs
- Time Delay is adjustable from 15 seconds to 30 minutes
- Adjustable PIR sensitivity setting
- Adjustable ambient light level to keep load off
- LED indicator light flashes when sensor detects motion to verify detection is active
- Zero-crossing for long relay life
- Sensor coverage tested to NEMA WD7-2000

SPECIFICATIONS

Voltage	120VAC / 277VAC, 50/60Hz
Resistive	10A
Electronic Ballast/LED	800VA-120VAC / 1385VA-277VAC
Load Rating	2mA - 50mA
Motor	1/4 HP
Coverage	1200 sq. ft.
Warranty	2 Years

TESTING & CODE COMPLIANCE



APPLICATIONS

- Open Office Spaces
- Classrooms
- Common areas

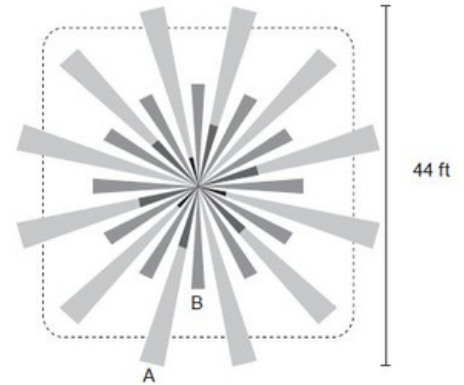
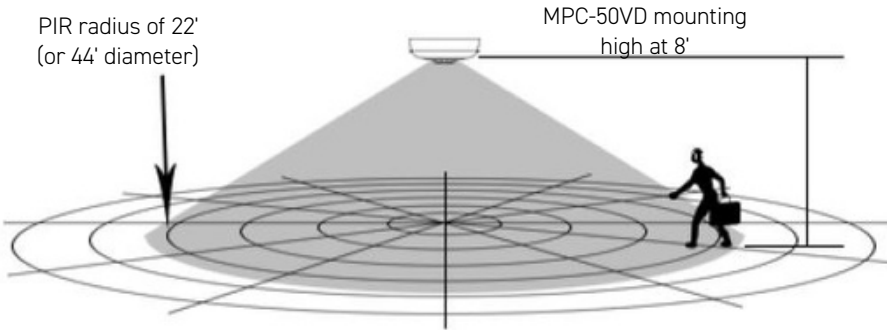
SPECIFICATION SUBMITTAL

Job Name

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Notes

COVERAGE PATTERN

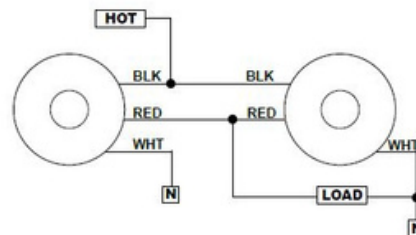
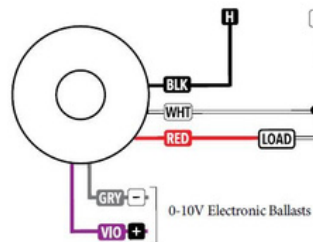


A: When walking across beam, detection will occur at approximately 22 feet.
B: When walking into beam, detection will occur at approximately 12 feet.

The MPC-50VD offers a comprehensive 360° coverage pattern, showcasing the range when mounted at a height of 8-12 feet during walking motion. In spaces with reduced activity levels or hindrances such as obstacles and barriers, the coverage area may diminish. The size of coverage in PIR ONLY trigger mode fluctuates based on the mounting height—refer to the pattern above for specific details.

WIRING

BLACK - Line Input
WHITE - Neutral
RED - Load Output
VIOLET - Connect to 0-10 VDC control wire from dimmable ballast
GRAY - Connect to 0-10 VDC common wire from dimmable ballast



SENSORS IN PARALLEL

Sensors may be wired in parallel; however, the maximum load ratings stay the same.

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