

# Enerlites®



## PIR OCCUPANCY/VACANCY LINE VOLTAGE SENSOR

MODEL NO: MPC-50V

### DESCRIPTION

The ENERLITES MPC-50V is a commercial grade line voltage ceiling mount sensor that operates lights using PIR technology. The sensor features a 360° field of view fresnel lens that provides up to 1200 sq. ft. of coverage area. This ceiling mounted sensor operates lights ON/OFF based on occupancy and ambient light levels detected in the area. This ceiling sensor is compatible with either LED or fluorescent lights. The sensor is also compatible with ENERLITES 91245 momentary switch for optional vacancy mode and manual ON/OFF operation.

### FEATURES

- 360° field of view
- Vacancy mode compliant with CA Title 24
- 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, 60Hz
Resistive	10A
Incandescent	800W
Electronic Ballast	800VA @ 120VAC / 1600VA @ 277VAC
Motor	1/4 HP
Coverage	1200 sq. ft.
Warranty	2 Years

### TESTING & CODE COMPLIANCE



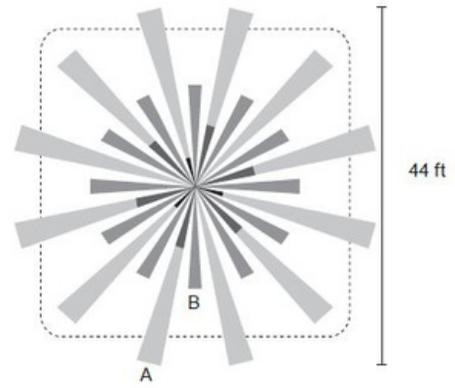
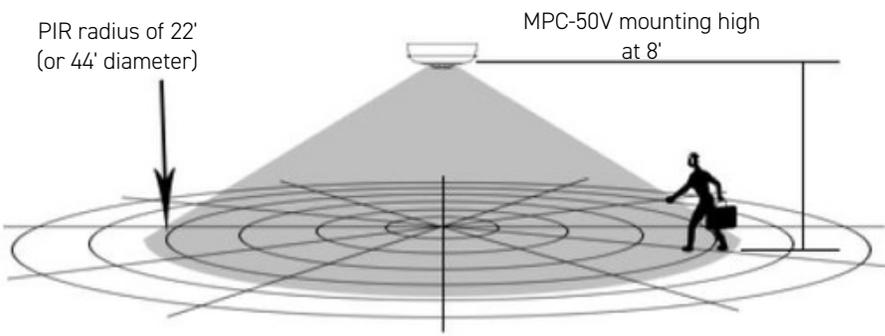
### APPLICATIONS

- Open Office Spaces
- Classrooms
- Common areas

### SPECIFICATION SUBMITTAL

Job Name  Job Number   
Notes

# COVERAGE PATTERN



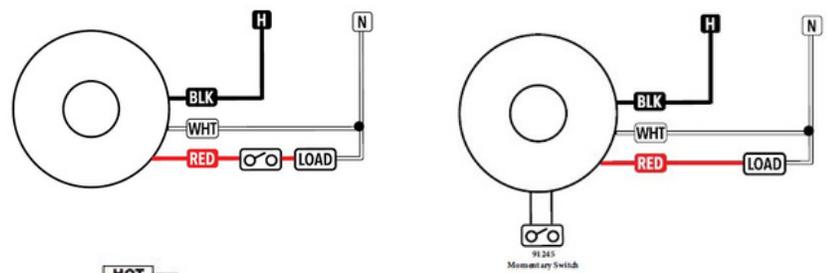
A: When walking across beam, detection will occur at approximately 22 feet.  
 B: When walking into beam, detection will occur at approximately 12 feet.

The MPC-50V 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

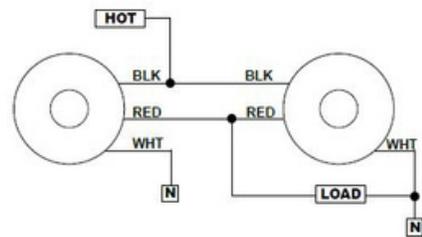
BLACK - Line Input  
 WHITE - Neutral  
 RED - Load Output

LOW VOLTAGE WIRES  
 GRAY/GRAY - Connected to momentary switch  
 91245 for Vacancy mode



### SENSORS IN PARALLEL

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



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Notes