

# Lighting Controls

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

## OMNI® LOW VOLTAGE PIR CEILING SENSOR

CEILING MOUNT OCCUPANCY SENSORS

### FEATURES

- IntelliDAPT® self-adaptive technology—no manual adjustment required
- All-digital passive infrared (PIR) sensor
- Non-volatile memory for sensor settings
- 450 - 1,500 square-foot coverage area (depending on model)
- Optional relay and photocell control
- UL and cUL listed
- California Title 24 compliant
- Five-year limited warranty



### SPECIFICATIONS

#### CONSTRUCTION

- Casing- rugged, high-impact, injection-molded plastic KJB ABS
- Cicolac (UL-945VA) flame class rating, UV inhibitors
- Color-coded leads are 6" long (152.4 mm)
- 5.0 oz (142g)
- Off-white
- Red - Passive infrared detection
- Dual-element pyrometer and 12-element cylindrical rugged lens

#### MOUNTING

- Mounting base provided
- Recommended mounting height: 8ft (2.44m) with a max mounting height of 12ft (3.66m)

#### ELECTRICAL

- 24VDC, 20mA (uses UVPP and MP- Series power pack- not included)

#### ELECTRICAL (CONTINUED)

- 24 VDC active high-logic control signal with short circuit protection and optional dry contact (see RP options)

#### OPERATIONS

- IntelliDAPT
  - Auto reset from test setting
  - Self-adjusting timer
  - Self-adjusting passive infrared thresholds
  - Automatic false-ON/false-OFF corrections
- Timer Settings
  - Automatic mode: 8–30 min. (self-adjusts based on occupancy)
  - Test mode: 8 seconds (for an easy check at installation)
- RP Option
  - Relay and photocell included
  - Relay: N/O + N/C contacts; SPDT; 500 mA rated @ 24VDC; three-wire isolated relay

#### OPERATIONS (CONTINUED)

- Photocell: adjustable natural-light override ranges from 0 to 100 foot-candles (0–1,000 lux)
- Coverage
  - 450–1,500 square feet

#### OPERATING ENVIRONMENT

- Indoor use only
- Operating temperature: 32° to 104°F (0° to 40°C)
- Relative humidity (non-condensing): 0% to 95%

#### CERTIFICATIONS

- UL and cUL listed

#### WARRANTY

- 5 year warranty

### ORDERING GUIDE

Example: OMNIIR

CATALOG #

Series	Technology	Coverage	Relay/Photocell Option
OMNI	IR		
OMNI	IR	Passive Infrared	
		L Long Range IR, 1,500 sq. ft.	RP Relay & Photocell
		(Blank) 450 sq. ft.	(Blank) No Option

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DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

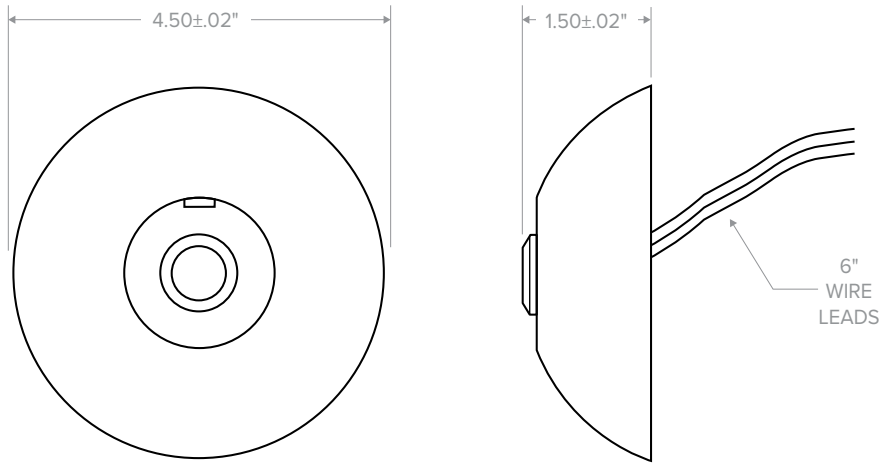
TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

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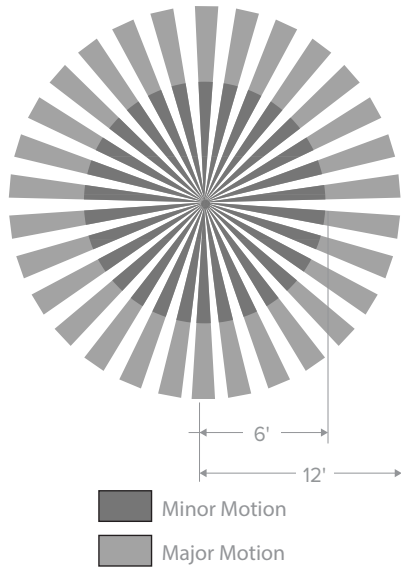
### DIMENSIONS



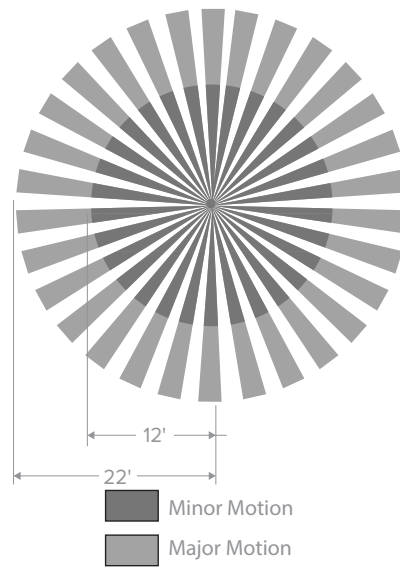
### ADDITIONAL INFORMATION

#### COVERAGE PATTERN

OMNI® IR Range



OMNI® IRL Range



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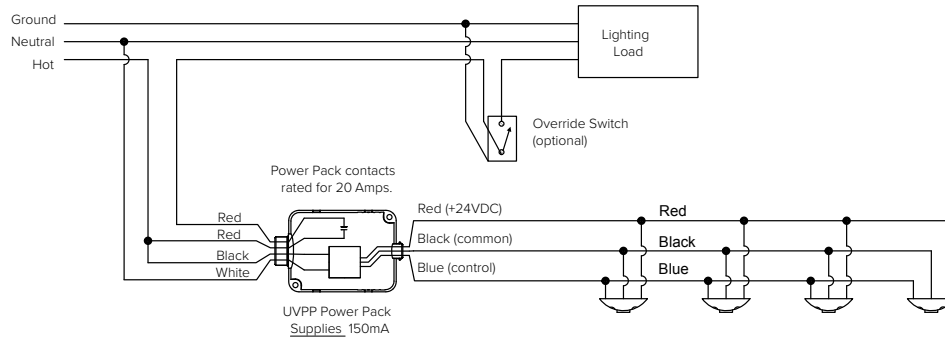
CATALOG #: \_\_\_\_\_

## OMNI® LOW VOLTAGE PIR CEILING SENSOR CEILING MOUNT OCCUPANCY SENSORS

### ADDITIONAL INFORMATION CONTINUED

#### WIRING DIAGRAMS

1 circuit with up to 4 sensors and UVPP

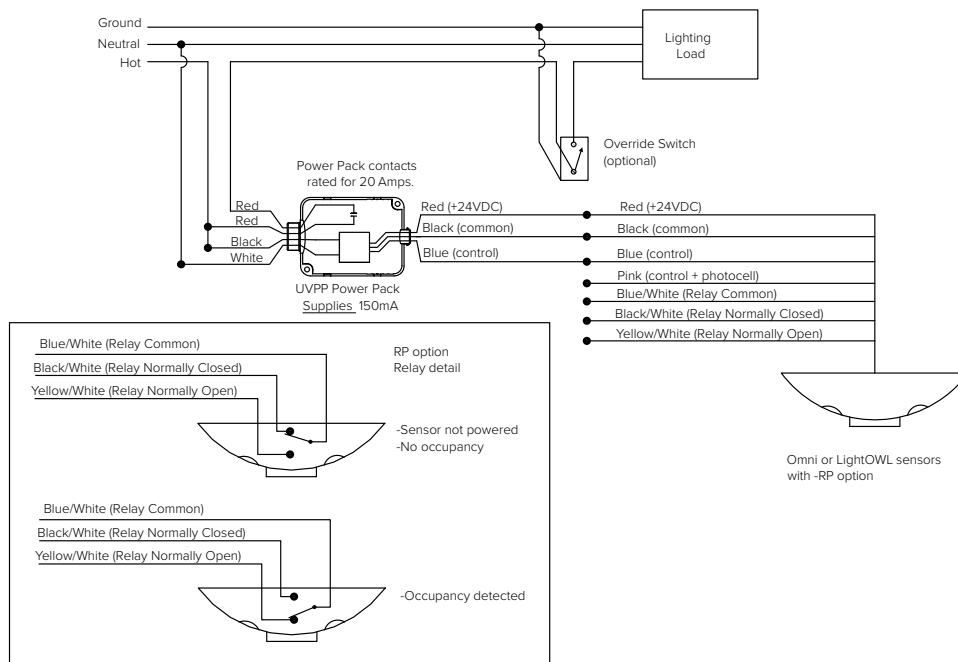


Low Voltage Sensors (devices)  
Requires 33mA each

NOTE:

- DO NOT attempt to power more than 4 devices, be it sensors or slave packs, from a single power pack.

1 circuit with RP option wiring



Pink wire replaces previous gray wire. Units with a gray instead of pink wire should be wired as the pink wire shown in the diagram.

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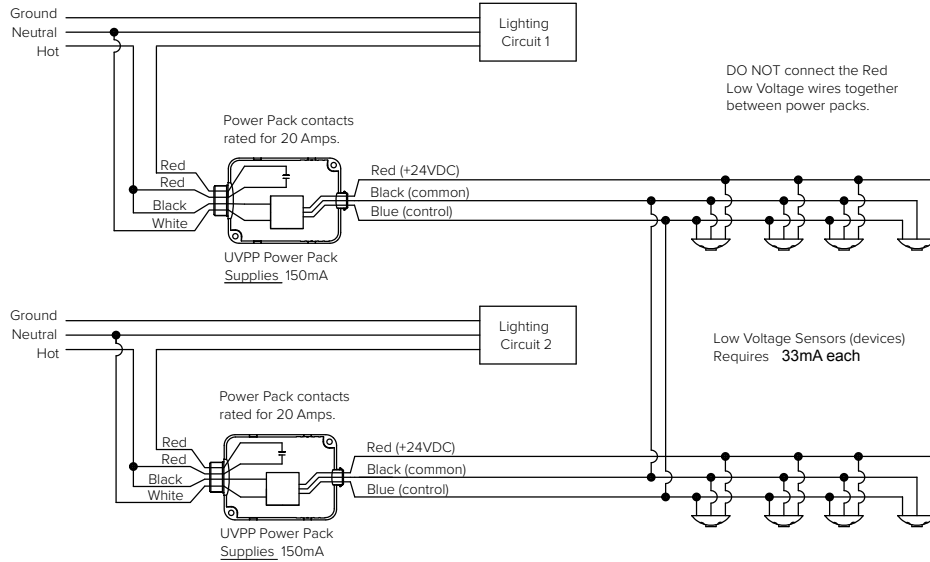
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## OMNI<sup>®</sup> LOW VOLTAGE PIR CEILING SENSOR CEILING MOUNT OCCUPANCY SENSORS

### ADDITIONAL INFORMATION CONTINUED

#### WIRING DIAGRAMS

2 circuits with 5 to 8 sensors



NOTES:

1. Lighting load turns on when at least one sensor detects motion
2. DO NOT attempt to power more than 4 devices, be it sensors or slave packs, from a single power pack
3. No more than 4 power packs should be connected in this way