



# 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



## RELATED PRODUCTS

- [Occupancy Sensor Accessories](#)
- [Universal Voltage Power Packs](#)
- [Heavy Duty Universal Voltage Power Packs](#)
- [MPSHD Pack](#)
- [MP347A Power Pack](#)



## 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
- See [HLI Standard Warranty](#) for additional information

## ORDERING GUIDE

Example: OMNIIR

CATALOG #

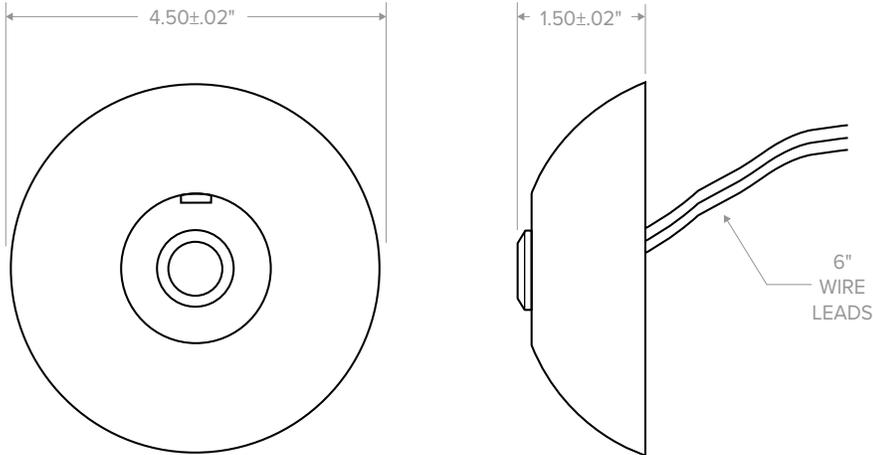
Series	Technology	Coverage	Relay/Photocell Option
OMNI	IR Passive Infrared	L Long Range IR, 1,500 sq. ft. (Blank) 450 sq. ft.	RP Relay & Photocell (Blank) No Option



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## DIMENSIONS

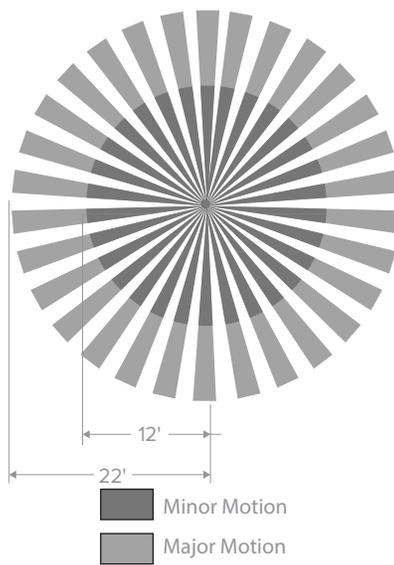
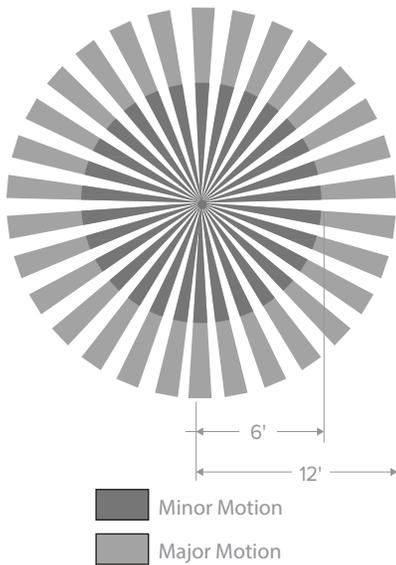


## ADDITIONAL INFORMATION

### COVERAGE PATTERN

OMNI® IR Range

OMNI® IRL Range





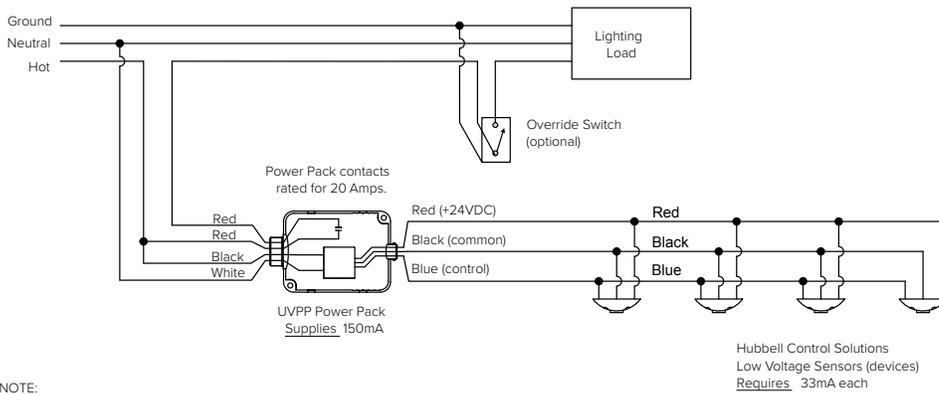
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## ADDITIONAL INFORMATION CONTINUED

### WIRING DIAGRAMS

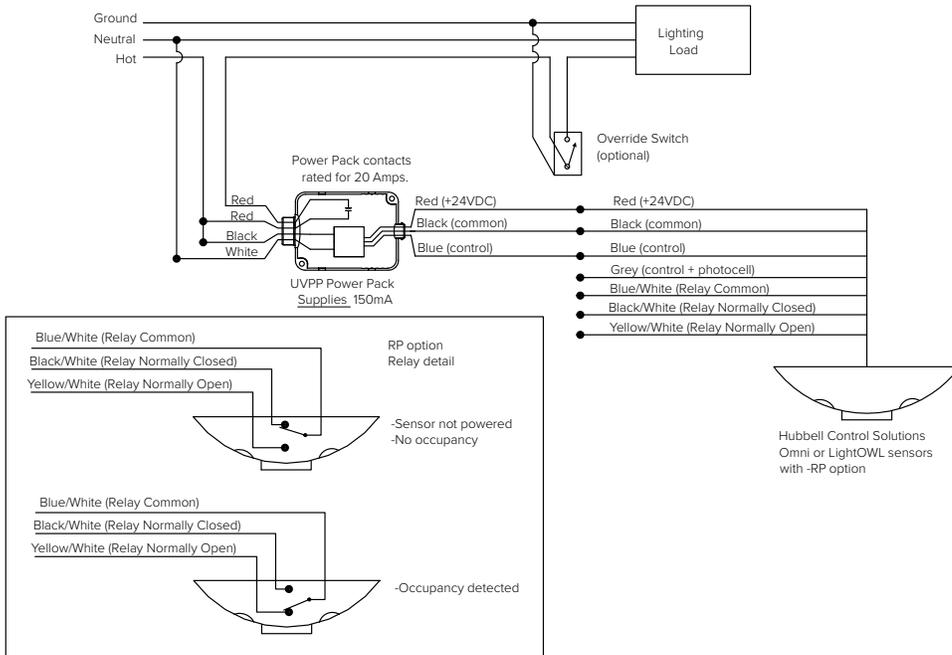
1 circuit with up to 4 sensors and UVPP



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





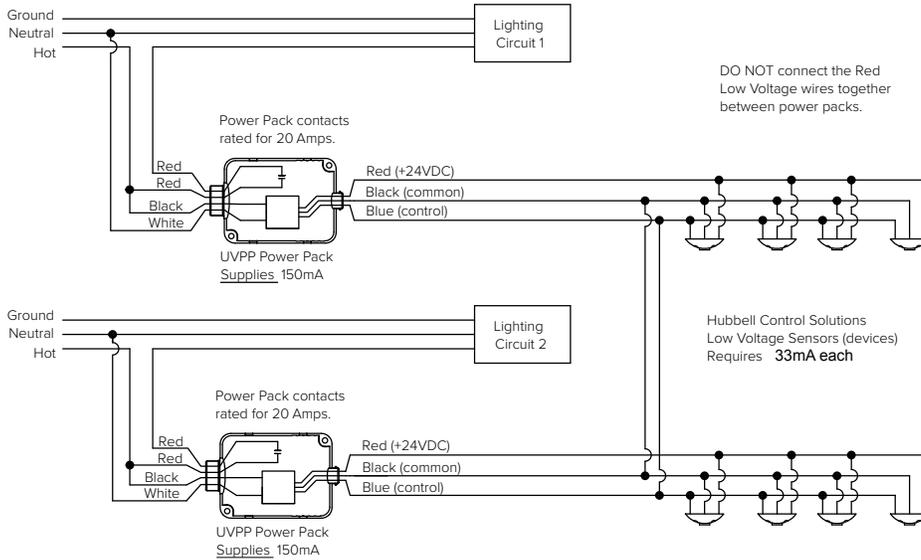
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## ADDITIONAL INFORMATION CONTINUED

### WIRING DIAGRAMS CONTINUED

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