HUBBELL Control Solutions

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

LIGHTOWL® PASSIVE INFRARED WALL MOUNT SENSOR

CEILING AND WALL MOUNT OCCUPANCY SENSORS

FEATURES

- IntelliDAPT® self-adaptive technology-no manual adjustment required
- All-digital passive infrared (PIR) sensor
- Non-volatile memory for sensor settings
- 1,600 square-foot coverage area
- Optional relay and photocell control
- Low voltage device: 24 VDC
- 5 year warranty

Title 24 | cULus LISTED | OCCUPANCY SENSING | IntelliDAPT

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 Cycolac (UL-945VA) flame class rating, UV inhibitors
- Color-coded leads are 6" long (152.4mm)
- 5.0 oz. (142g)
- Off-white
- Red-Infrared motion
- Dual-element pyrometer and 12-element cylindrical rugged lens

MOUNTING

- Mounting base provided
- LOIRWV - Max mounting height: 12ft.
- LOIRHB - Max mounting height: 30ft.

ELECTRICAL

- 24VDC, 33 mA (uses UVPP and MP-Series power pack—not included)
- 24VDC active high-logic control signal with short circuit protection and optional dry contact

OPERATION

- IntelliDAPT
  - Auto reset from test setting
  - Self-adjusting timer
  - Self-adjusting passive infrared and acoustic thresholds
  - Automatic false-ON/false-OFF corrections
- Coverage
  - LOIRWV (Wide View): 1,600 square feet (487.68 square meters)
  - LOIRHB (High Bay): 120 linear feet
- Timer Settings
  - Automatic mode: 8–30 minutes (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 @ 24 VDC; three-wire isolated relay

OPERATION (CONTINUED)

- Photocell: adjustable natural-light override ranges from 0 to 100 foot-candles (0–1,000 lux)
- Factory set at 3,000 lux (disable photocell)

OPERATING ENVIRONMENT

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

CERTIFICATIONS

- Listed UL and cUL

WARRANTY

- 5 year warranty
- See HLI Standard Warranty for additional information

ORDERING GUIDE

Example: LOIRWV

CATALOG #

LO		–	
Series	**Technology**		**Relay/Photocell Option**
LO	**IRWV** Passive Infrared Wide View		**RP** Relay Photocell
	IRHB Passive Infrared High Bay		**Blank** No Relay Photocell

HUBBELL Lighting

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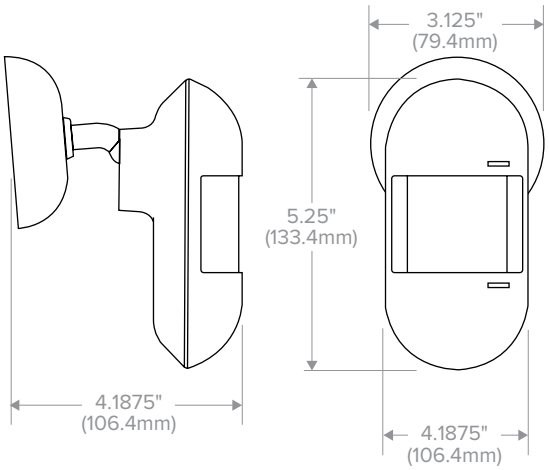
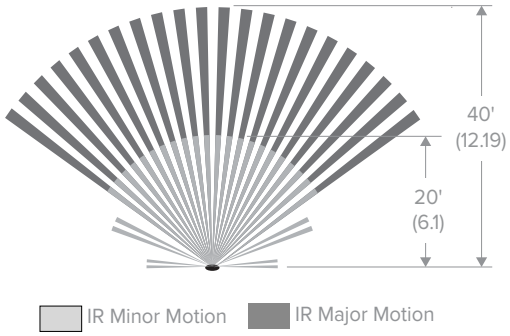
DIMENSIONS

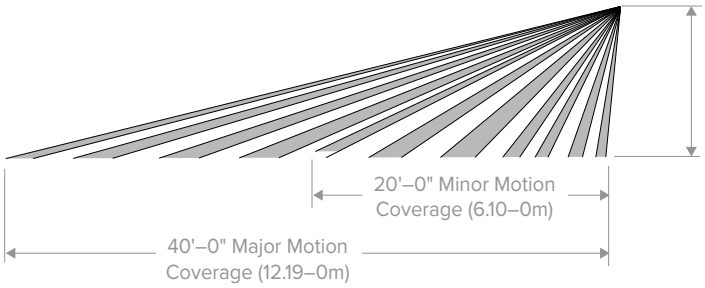


ADDITIONAL INFORMATION

Coverage Patterns

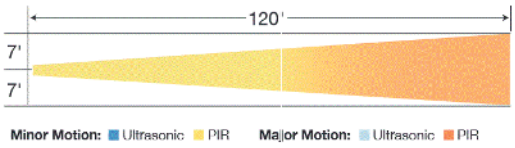


LOIRWV–Coverage Range (Top View)



LOIRWV–Coverage Range (Side View)

10'–0" Mounting
Height (3.05–0m)



LOIRHB - Coverage Range (Top View)

HUBBELL Lighting

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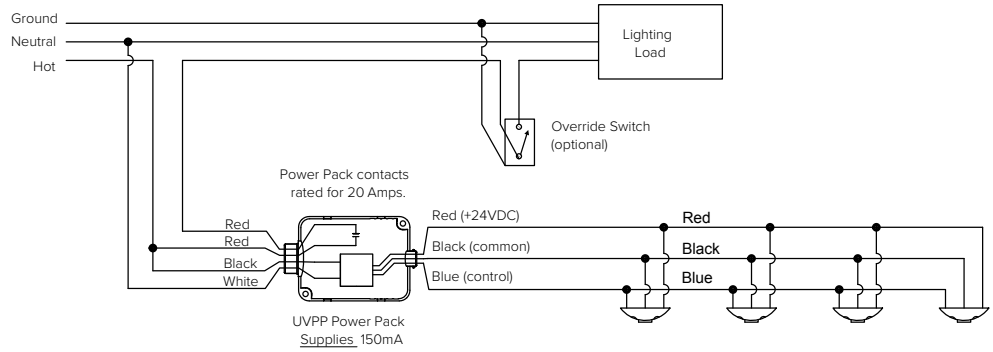
ADDITIONAL INFORMATION (CONTINUED)

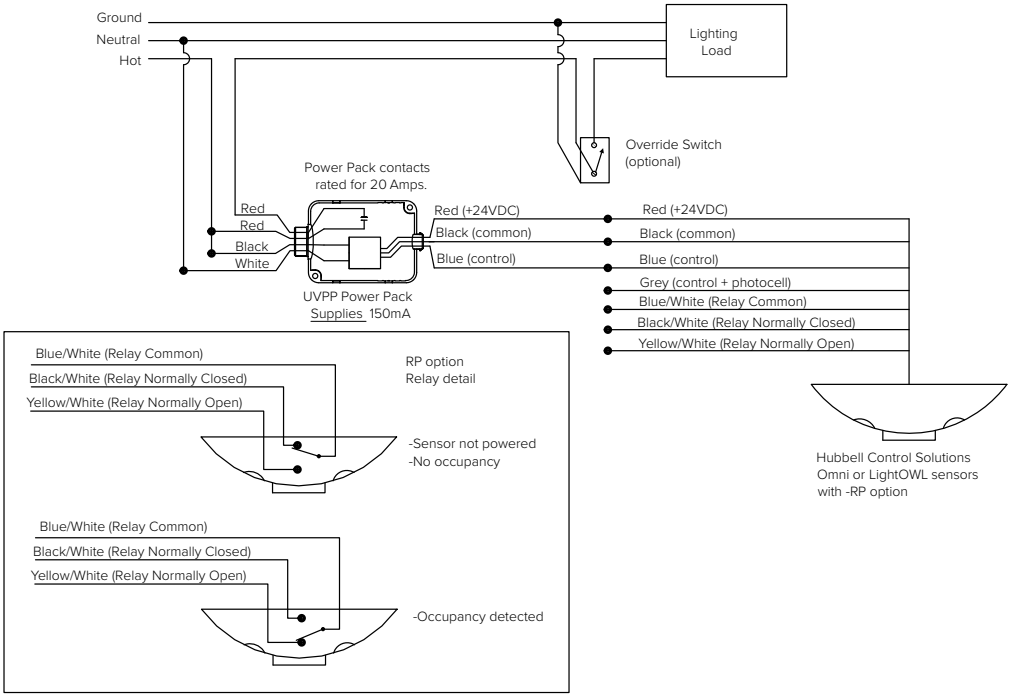
Wiring Diagrams



NOTE:

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

1 Circuit with up to 4 Sensors and UVPP



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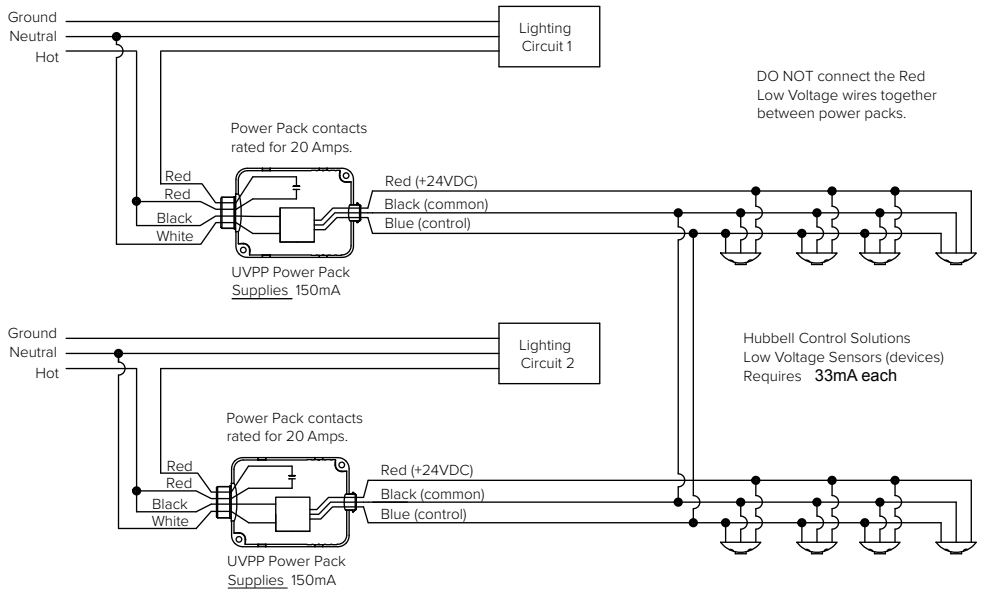

NOTES:

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

1 Circuit with RP Option Wiring