The LightOWL Dual Technology Ultrasonic and Passive Infrared Sensor combines ultrasonic (US) and passive infrared (PIR) technologies to turn lighting on and off based on occupancy. Designed specifically for areas where ceiling sensors are not appropriate, this sensor features Hubbell Controls’ patented IntelliDAPT® technology, which makes all the sensor adjustments automatically.

Throughout the product’s lifespan, IntelliDAPT software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with IntelliDAPT technology provide a maintenance-free install-and-forget operation.

### PRODUCT FEATURES

- **IntelliDAPT** self-adaptive technology—no manual adjustment required
- All-digital dual technology passive infrared (PIR) and ultrasonic (US) sensor
- Non-volatile memory for sensor settings
- 1,600 square-foot coverage area
- Optional relay and photocell control
- Optional Quick-to-Install (QTI) connector
- UL and cUL listed
- California Title 24 compliant
- Five-year limited warranty
- Low voltage device: 24 Vdc
General Specifications

IntelliDAPT® Technology
- Auto reset from test setting
- Self-adjusting timer
- Self-adjusting passive infrared and acoustic thresholds
- Automatic false-on/false-off corrections

LED lamp
- Red - infrared motion
- Green - ultrasonic detection

Timer timeout
- Automatic mode: 8–30 minutes (self-adjusts based on occupancy)
- Test mode: 8 seconds (for an easy check at installation)

Passive infrared (PIR)
- Dual-element pyrometer and 12-element cylindrical rugged lens

Ultrasonic (US) output
- Operating frequency: 32kHz

RP option
- Relay and photocell included
  - Relay: N/O + N/C contacts; SPDT; 500 mA rated @ 24VDC; three-wire isolated relay
  - Photocell: adjustable natural-light override ranges from 0 to 100 foot-candles (0–1,000 lux)
  - Factory set at 3,000 lux (disable photocell)

Coverage
- 1,600 square feet

Power requirements
- 24VDC, 33 mA (uses UVPP and MP-Series power pack—not included)

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

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

Construction
- Casing – Rugged, high-impact, injection-molded plastic KJB ABS Cycolac (UL-945VA)
  - Color-coded leads are 6” long

Dimensions
- 6.58” x 3.63” x 3.72”

Weight
- 5.0 oz (142g)

Color
- Off-white

Mounting
- Mounting base provided
  - Recommended MAX mounting height: 12ft.

Certifications
- UL and cUL listed

Warranty
- Five-year limited

Ordering Information