



Catalog Number	
Notes	Type

## FEATURES & SPECIFICATIONS

The Litronic LUSO series is an omni-directional ceiling-mount occupancy sensor employing ultrasonic sensing technology to provide effective coverage for automatic on/off lighting control in indoor applications. The sensor immediately switches the lights on when movement is detected. After the room is vacated for a preset length of time, the sensor will automatically switch the lights off.

### FEATURES

- Detects occupancy in areas up to 2000 square feet (180m<sup>2</sup>)
- Ultrasonic sensing technology
- 40 kilohertz operation
- LED motion indicator
- Integral photocell control
- 180° coverage
- Simple mounting to box or ceiling tile
- Automatic sensitivity adjustment
- Automatic time-out adjustment
- Class 2 low-voltage device
- Five-year warranty
- UL and CUL listed

### CONSTRUCTION

- Ceiling mounting via threaded stem and twist-lock attachment
- Injection-molded housing, neutral white color

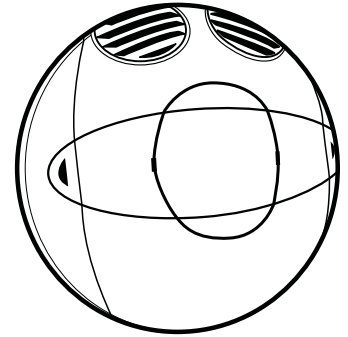
### OPERATION

- Up to 500 square foot coverage (180m)
- 40 kHz operation
- 30 second to 30 minute timer settings, six second test mode
- Integrated photocell can be used to prevent lights from turning on when room adequately lit by natural light, 20 to 30 lux.
- Accessible timer and sensitivity adjustment controls
- Self-adjusting circuitry adapts sensitivity and time-out for installation and usage patterns by adjusting timer and sensitivity settings when in automatic mode
- Learned and adjusted settings saved in protected memory are not lost during power outages

## Specification-Grade Occupancy Sensors

# LUS

### ULTRASONIC SENSING HEAD



## LITRONIC®

### ELECTRICAL

Sensing head: Input 30 mA at 24VDC, Class 2 low voltage device. Short circuit protected.

Detection method: Ultrasonic.

Use with LPCS Series power pack for stand-alone operation. Compatible with SIMPLY5™ S5SC sensor connector, digital equinox station, SYNERGY® power module or SWITCHPAK® relay panel. LPCS may not be required when using occupancy sensor with above products.

### ENVIRONMENTAL

32°F to 104°F (0°C to 40°C); 0% to 95% relative humidity, non-condensing. For indoor use only.

### MOUNTING

Hardware supplied for acoustic tile or dry wall mounting.

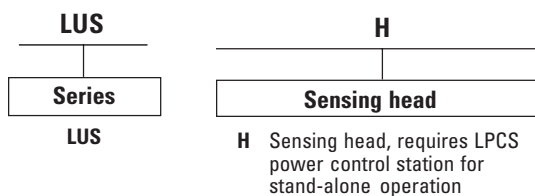
Optionally mounts to 4" x 1-1/2" octagon box or wire mold round fixture box.

### CERTIFICATION

California Title 24 certified.

Example: **LUS H**

## ORDERING INFORMATION



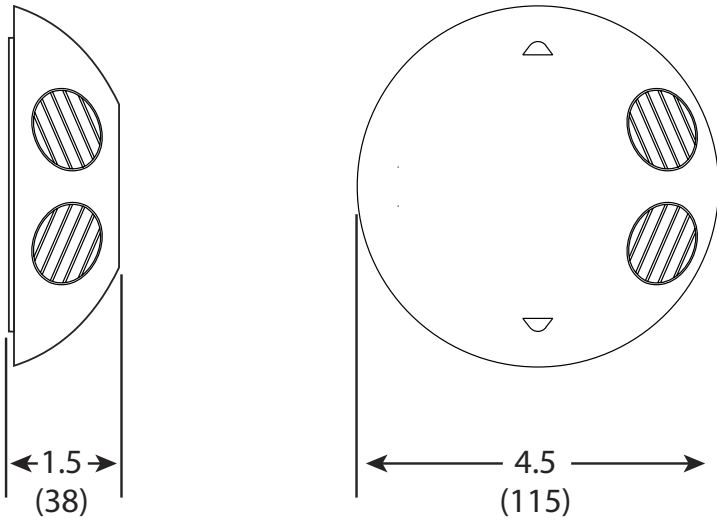
### Accessories

Order as separate item	
<b>LPCS MVOLT</b>	Power control station, 120 or 277 volt. Includes 20 amp relays and provides 24 VDC as required for operation of sensing head.
<b>LPCS 347 DCO</b>	Power control station, 347 volts. Includes 15amp/347 volt rated relay and provides 24 VDC to operate sensing head and isolated Dry Contact Output for HVAC and other signaling.
<b>LPCS MVOLT DCO</b>	Power control station, 120 or 277 volt. Includes 20 amp relay, provides 24 VDC to operate sensing head and isolated Dry Contact Output for HVAC and other signaling.
<b>LPCS BASE MVOLT</b>	Box mounted self-contained power control stations, 120 or 277 volt. Includes 15amp switching relay and provides 24 VDC to operate sensing head. Sensing head mounts direct to base for self-contained sensor installation.
<b>LAR MVOLT</b>	Auxiliary Relay, 120 to 277 volt secondary 15 amp switching output, no power supply.
<b>LCAGE</b>	Heavy gauge welded steel cage with white rustproof coating to protect ceiling mounted sensing heads in high abuse installations like gymnasiums and locker rooms.

# LUS Ultrasonic Sensing Head

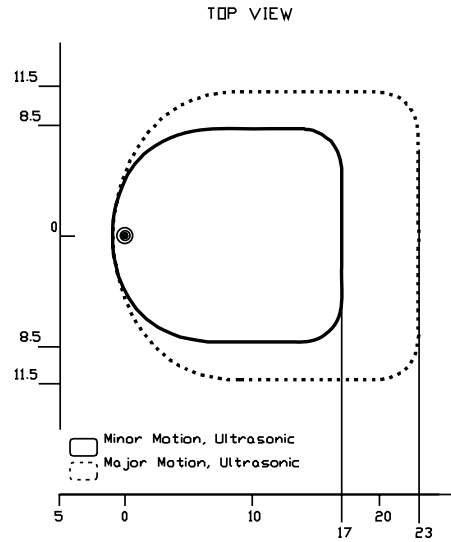
## DIMENSIONS

All dimensions are inches (millimeters). Subject to change without notice.

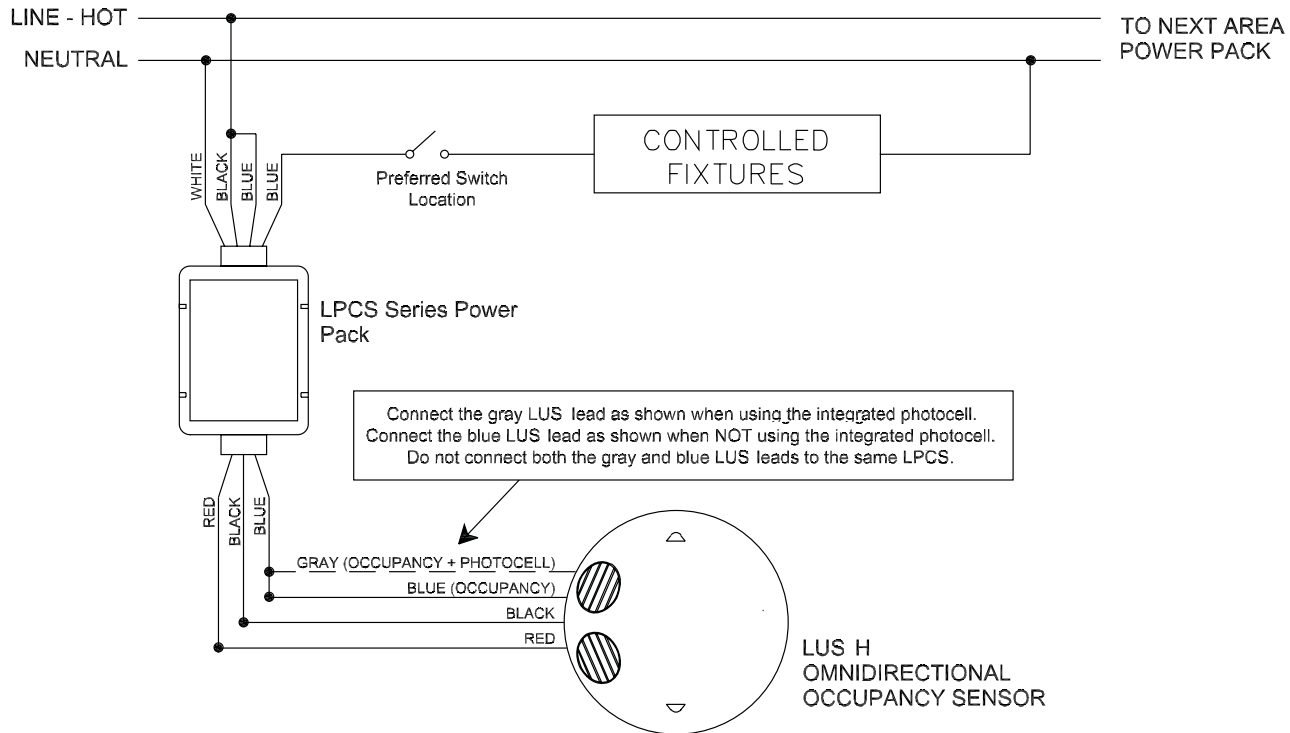


## COVERAGE PATTERNS

Based on an eight-foot (2.4) ceiling height. All dimensions are in feet (meters).



## WIRING DIAGRAM



Note: Synergy Lighting Controls recommends that only rapid-start or program start fluorescent ballasts be used with occupancy sensors.