



HUBBELL®
Control Solutions

LIGHTHAWK2 ULTRASONIC WALL SWITCH SENSOR

Wall Switch Occupancy Sensors



The LightHawk®2 Ultrasonic Wall Switch Sensor uses ultrasonic (US) technology for detecting minor movement in areas with line-of-sight obstacles such as cubicles and stalls. Ultrasonic technology is volumetric in nature, its coverage pattern can adapt itself to fill oddly shaped spaces such as alcoves, recesses, and nooks. This sensor has a coverage area of up to 400 square feet and 180° of detection.

LHUS sensors feature Hubbell Controls' patented IntelliDAPT™ technology, which makes all the sensor adjustment decisions automatically. Throughout the product's lifespan, smart 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. With selectable operating modes—automatic On/Off or manual On/automatic Off—and a built-in photosensor for automatic daylight harvesting, the LHUS sensors are the most capable choice in today's market place.

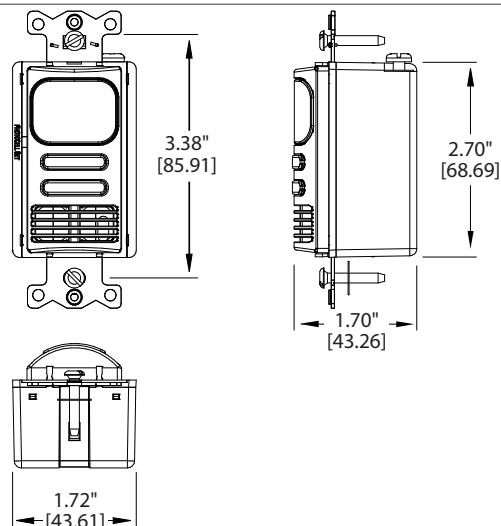
Product Features

- Digital Ultrasonic (US) sensor
- IntelliDAPT self-adaptive technology—no manual adjustment required
- Dual circuit has isolated relays
- Occupancy (auto-on) and Vacancy (manual-on) operating modes
- Available with or without Neutral
- 400 square-foot, 180° coverage area
- 120/277VAC operation
- No minimum load requirement
- Zero Arc Point Switching
- Five-year limited warranty
- 120-277VAC and 347VAC models
- Low voltage device: 24VDC

Compliance and Certification



Dimensional Data



Ordering Information

MODEL				WIRING				COLOR				MODE			
LHUS0	Ultrasonic Technology Single Relay, No Button			G	Ground (120/277V)			WH	White			(Blank)	Switchable Vacancy or Occupancy Mode		
LHUS1	Ultrasonic Technology Single Relay, One Button			N	Neutral (120/277V)			IV	Ivory			M	Vacancy Mode Only		
LHUSD0	Ultrasonic Technology, Dual Relay (One Input / Two Outputs), No Buttons			24V	Low Voltage			LA	Light Almond						
LHUSD2	Ultrasonic Technology, Dual Relay (One Input / Two Outputs), Two Buttons			G347	Ground (347V)			GY	Gray						
LHDCUSD0	Ultrasonic Technology, Dual Circuit (Two Inputs / Two Outputs), No Buttons			N347	Neutral (347V)			BK	Black						
LHDCUSD2	Ultrasonic Technology, Dual Circuit (Two Inputs / Two Outputs), Two Buttons														

*Not available with LHDCUSD version

-Low voltage sensors require a power pack that is sold separately

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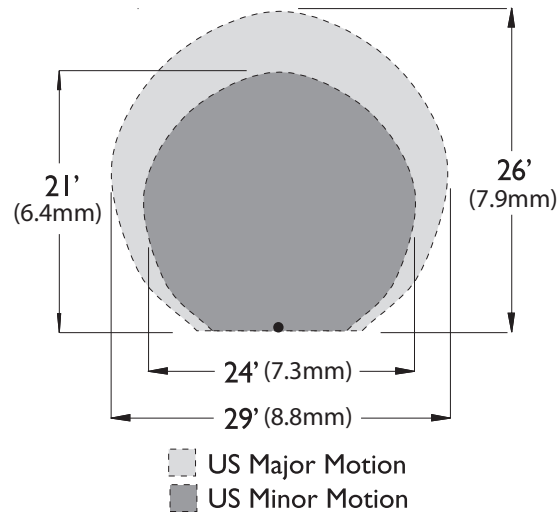




LIGHTHAWK2 ULTRASONIC WALL SWITCH SENSOR

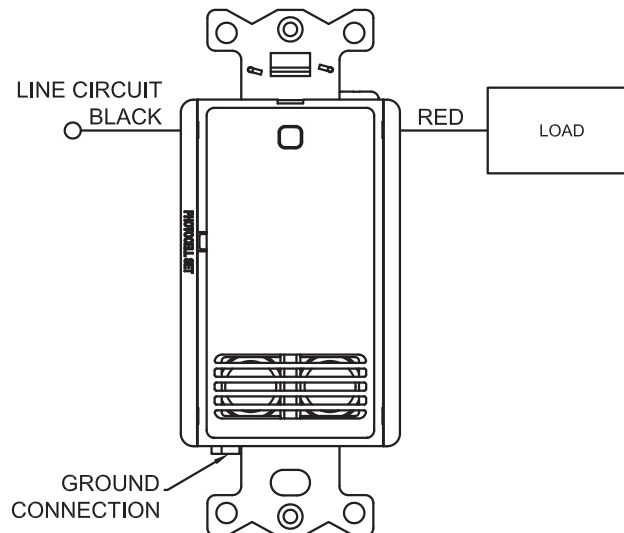
Wall Switch Occupancy Sensors

Coverage Pattern



Wiring Diagrams

Single Load Wiring Without Neutral



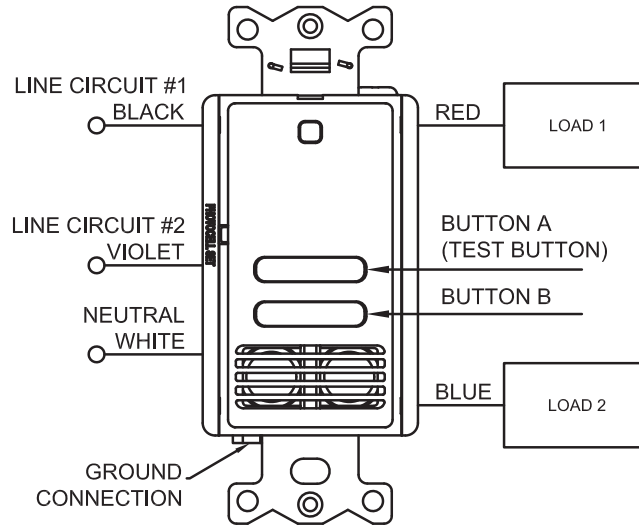


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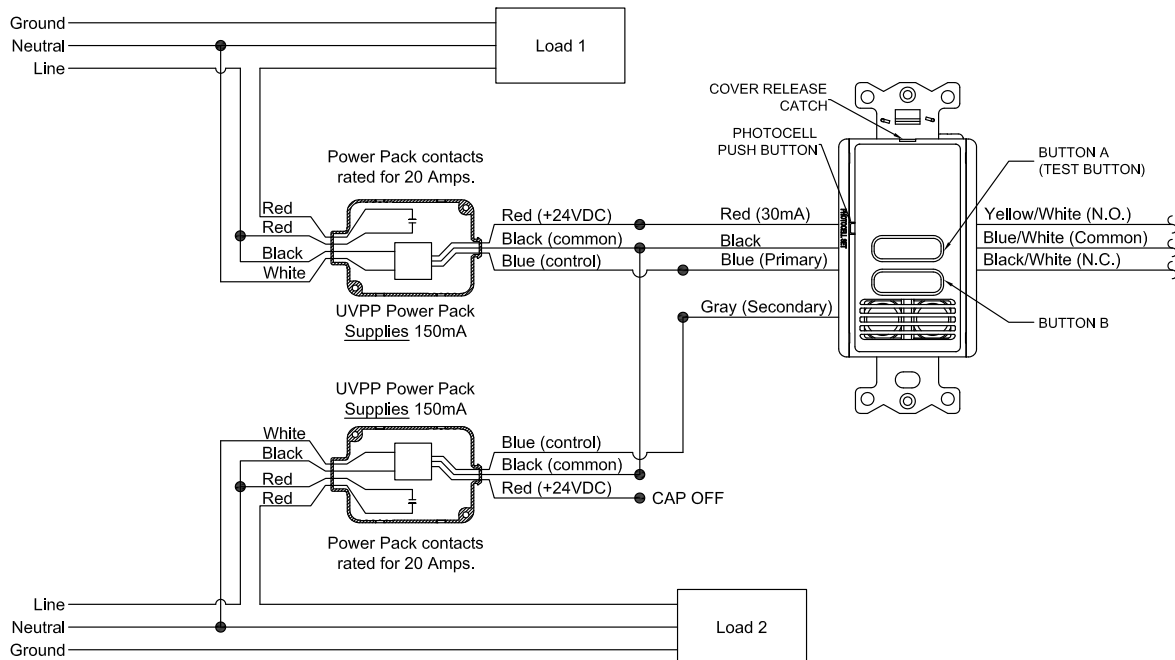
Wall Switch Occupancy Sensors

Wiring Diagrams

Dual Load Wiring With Neutral



Low Voltage Dual Level Control with Two Power Packs





LIGHTHAWK2 ULTRASONIC WALL SWITCH SENSOR

Wall Switch Occupancy Sensors

General Specifications

IntelliDAPT Technology	Self-adjusting timer Self-adjusting Ultrasonic (US) and passive infrared (PIR) sensitivity Automatic false-on/ false-off corrections No manual adjustments required
Time Delay	Auto mode: 4-30 minutes; self-adjusts based on occupancy Fixed mode: 4, 8, 15, and 30 minutes Test mode: 5 seconds
Ultrasonic (US) Output	40kHz output
Photocell	Natural light override range: 10-500 foot-candles
Coverage	400 square-foot, 180° coverage area
Power Requirements	120/277VAC; 50/60Hz 347VAC; 50/60Hz 24VDC (requires UVPP)
Electrical Ratings	120VAC: 800W Incandescent/ Electronic Ballast/ LED Driver: 1,000W Magnetic Ballast 1/6 HP Motor 277VAC: 1,800W Magnetic Ballast/ Electronic Ballast/ LED Driver: 1/6 HP Motor 347VAC: 1,500W Magnetic Ballast/ Electronic Ballast/ LED Driver: 1/6 HP Motor
Operating Environment	Indoor use only Operating temperature: 32° to 104°F (0° to 40°C) Relative humidity (non-condensing): 0% to 95%
Construction	Casing- high- Impact injection-molded plastic (UL-94-5V) Impact-resistant lens Color- coded leads are 6" (152.4mm) long Wrap-around galvanized steel mounting strap
Dimensions	4.2" H x 1.8" W x 1.75" D; .37" extension (106.68mm H x 44.45mm D; 9.4mm ext.)
Weight	2.9 oz (82.21g)
Color	White; Ivory; Light Almond; Gray; Black
Mounting	Single-gang NEMA-style switch box (standard switch box) Decorator-style wall plate sold separately
Certifications	Listed UL and cUL
Warranty	Five-year limited