

LightHAWK2™ Ultrasonic Wall Switch Sensor

WALL SWITCH OCCUPANCY SENSORS

CALIFORNIA
TITLE
24
CEC COMPLIANT

LOW
24
VDC
VOLTAGE

120
277
VAC

347
VAC

PROJECT INFORMATION

Project Name

Catalog No.

Date



The LightHAWK2™ Ultrasonic Wall Switch Sensor uses ultrasonic (US) technology for detecting minor movement in areas with line-of-sight obstacles such as cubicles and stalls. Because 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. This sensor includes HBA patented IntelliDAPT® technology.

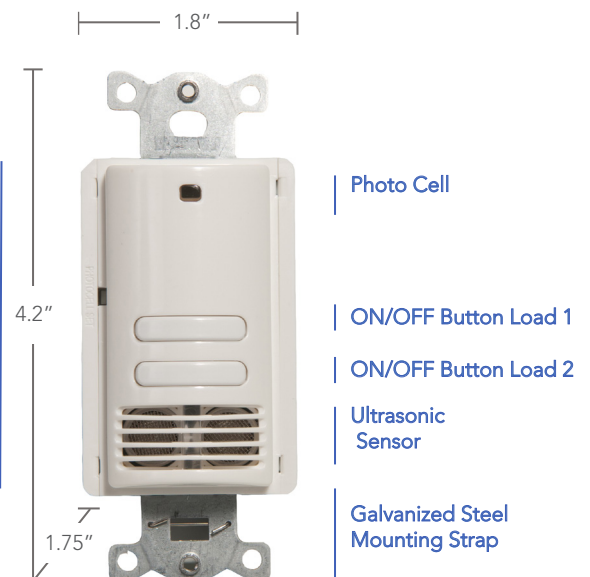
LHUS sensors feature Hubbell Building Automation's patented IntelliDAPT™ technology, which makes all the sensor adjustment decisions automatically. Throughout the product's lifespan, smart software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with IntelliDAPT 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
- 1 or 2 relay models for single-level switching or bi-level switching
- 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



Fits Standard
Decorator Style
Wallplate
(sold separately)



LHUSD2



HUBBELL
Building Automation

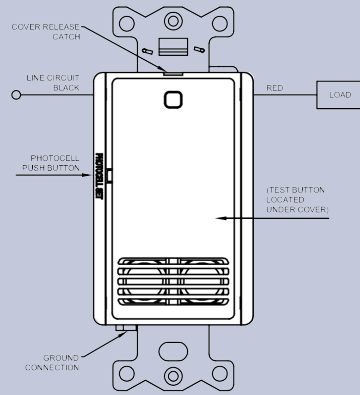
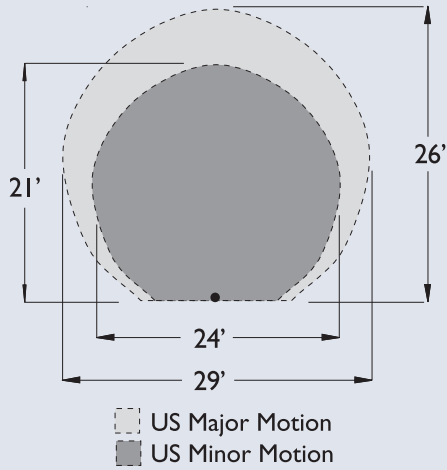
General Specifications

IntelliDAPT Technology	Self-adjusting timer Self-adjusting ultrasonic (US) 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 MotorMinimum Load Requirements None
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) Color-coded leads are 6" long Wrap-around galvanized steel mounting strap
Dimensions	4.2" x 1.8" x 1.75"; .37" extension
Weight	2.9 oz
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, cUL
Warranty	Five-year limited

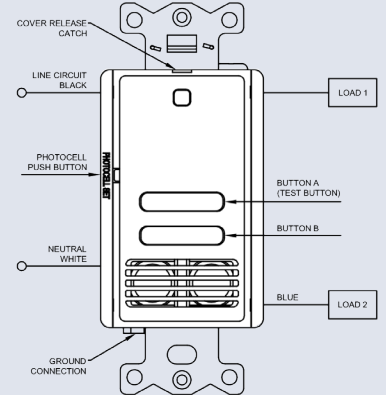
Ordering Information

MODEL		BUTTONS	WIRING		COLOR		MODE	
LHUSS	LightHAWK2™ Ultrasonic Single Relay	0	G	Ground (120/277V)	WH	White	Blank	Switchable Vacancy or Occupancy Mode
LHUSD	LightHAWK2™ Ultrasonic Dual Relay	1*	N	Neutral (120/277V)	IV	Ivory	M	Vacancy Mode Only
		2†	24V	Low Voltage	LA	Light Almond		
		G347	Ground (347V)	GY	Gray			
		N347	Neutral (347V)	BK	Black			

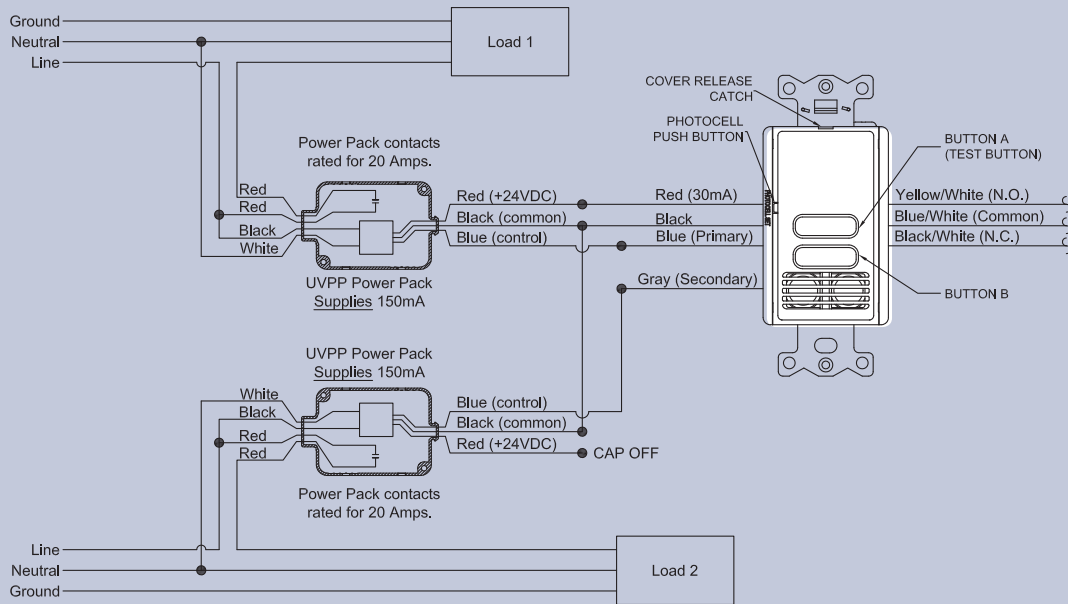
NOTE: * Only available with LightHAWK2™ Ultrasonic Single Relay.
† Only available with LightHAWK2™ Ultrasonic Dual Relay.
- Low voltage sensors require a power pack that is sold separately.



Single Load Wiring Without Neutral



Dual Load Wiring With Neutral



Low Voltage Dual Level Control with Two Power Packs