HUBBELL
Control Solutions

LIGHTHAWK® ULTRASONIC WALL SWITCH SENSOR
WALL SWITCH OCCUPANCY SENSORS

FEATURES

- Digital Ultrasonic (US) sensor
- IntelliDAPT® self-adaptive technology; no manual adjustment required
- Single and dual relay models for on/off switching
- Occupancy (auto-ON) and Vacancy (manual-ON) operating modes
- 400 square-foot, 180° coverage area
- 120/277VAC, 347VAC and 24VDC models
- Zero Arc Point Switching

Title 24   c(UL)us LISTED   OCCUPANCY SENSING   IntelliDAPT   DAYLIGHT HARVESTING

RELATED PRODUCTS

- Occupancy Sensor Accessories
- LightHAWK Dual Tech
- LightHAWK PIR
- LightHAWK Dimming Dual Tech
- LightHAWK Dimming PIR
- LightHAWK Night Light

SPECIFICATIONS

CONSTRUCTION
- Casing - high - impact injection - molded plastic (UL–94–5V Impact-resistance lens)
- Color-coded leads are 6" (152.4mm) long
- Wrap around galvanized steel mounting strap
- 2.9 oz. (82.21g)
- White; Ivory; Light Almond; Gray; Black

MOUNTING
- Single-gang NEMA-style switch box (standard switch box)
- Decorator-style wall plate sold separately

ELECTRICAL
- 40kHz output
- Natural light override range: 10-500 foot-candles
- 120/277VAC;50/60Hz
- 347VAC; 50/60Hz

ELECTRICAL (CONTINUED)
- 24VDC (requires power pack - sold separately)
- 120VAC: 800W Incandescent/ Electronic Ballast/ LED Driver, 1,000W Magentic Ballast; ⅙ HP Motor
- 277VAC: 1,800W Magnetic Ballast/ Electronic Ballast/ LED Driver; ⅙ HP Motor
- 347VAC: 1,500W Magnetic Ballast/ Electronic Ballast/ LED Driver; ⅙ HP Motor

OPERATIONS
- IntelliDAPT
  - Self-adjusting Ultrasonic (US) and passive infrared (PIR) sensitivity
  - Automatic false-ON/ false-OFF corrections
  - No manual adjustments required
- Coverage
  - 400 square-foot, 180° coverage area

OPERATIONS (CONTINUED)
- Timer Settings
  - Auto mode: 4-30 minutes; self-adjusts based on occupancy
  - Fixed mode: 4, 8, 15, and 30 minutes
  - Test mode: 5 seconds

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

CERTIFICATIONS
- UL and cUL listed

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

ORDERING GUIDE

Example: LHUSS1–G–WH–M

CATALOG #

| Series		Buttons		Wiring		Color		Mode	
LHUSS	LightHAWK Ultrasonic Single Relay	0	0[1]	G	Ground (120/277V)	WH	White	Blank	Switchable Vacancy or Occupancy Mode
LHDCUSD	LightHAWK Ultrasonic Dual Isolated Relay	1	1	N	Neutral (120/277V)	IV	Ivory	M	Vacancy Mode Only
		2	2[2]	24V	Low Voltage[3]	LA	Light Almond		
				G347	Ground (347V)	GY	Gray		
				N347	Neutral (347V)	BK	Black		

Notes:
1 No button version not available with -M option
2 Two button option only available with LHDC model
3 Low voltage sensors require a power pack that is sold separately

HUBBELL Lighting

BROCHURES   INSTALL GUIDE   DIMENSIONS

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

LIGHTHAWK® ULTRASONIC WALL SWITCH SENSOR
WALL SWITCH OCCUPANCY SENSORS

DIMENSIONS

3.38"
(85.91)

2.70"
(68.69)

1.70"
(43.26)

1.72"
(43.61)
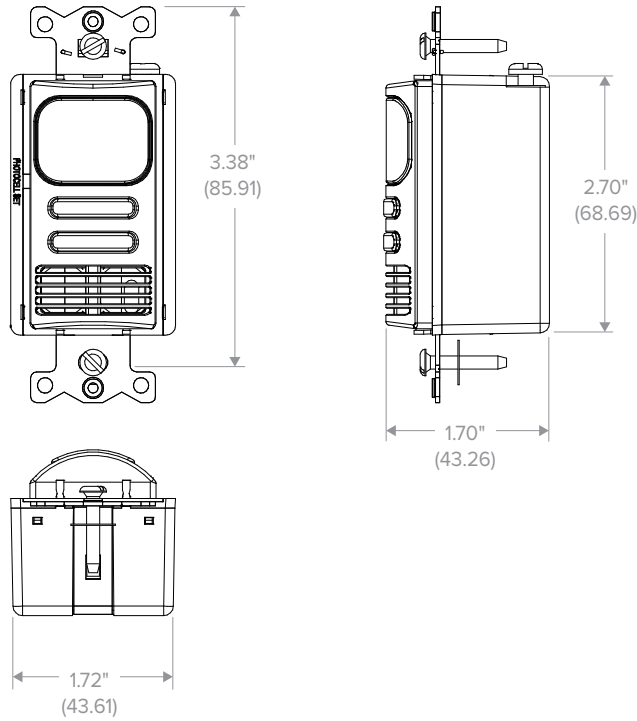
ADDITIONAL INFORMATION

Coverage Pattern

21'
(6.4)

26'
(7.9)

24'
(7.3)

29'
(8.8)
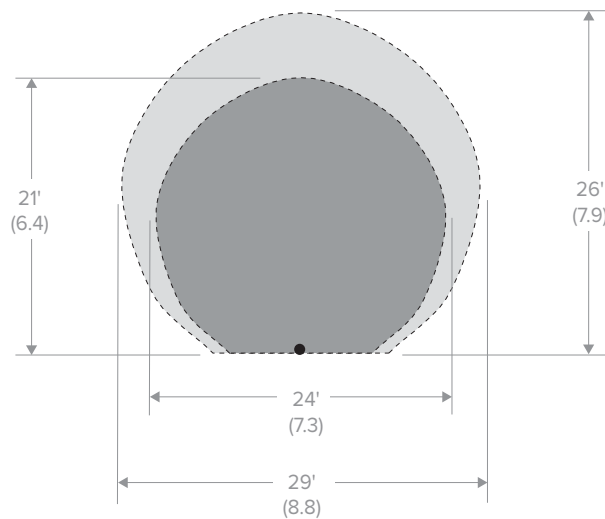
US Major Motion   US Minor Motion

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WALL SWITCH OCCUPANCY SENSORS

ADDITIONAL INFORMATION (CONTINUED)
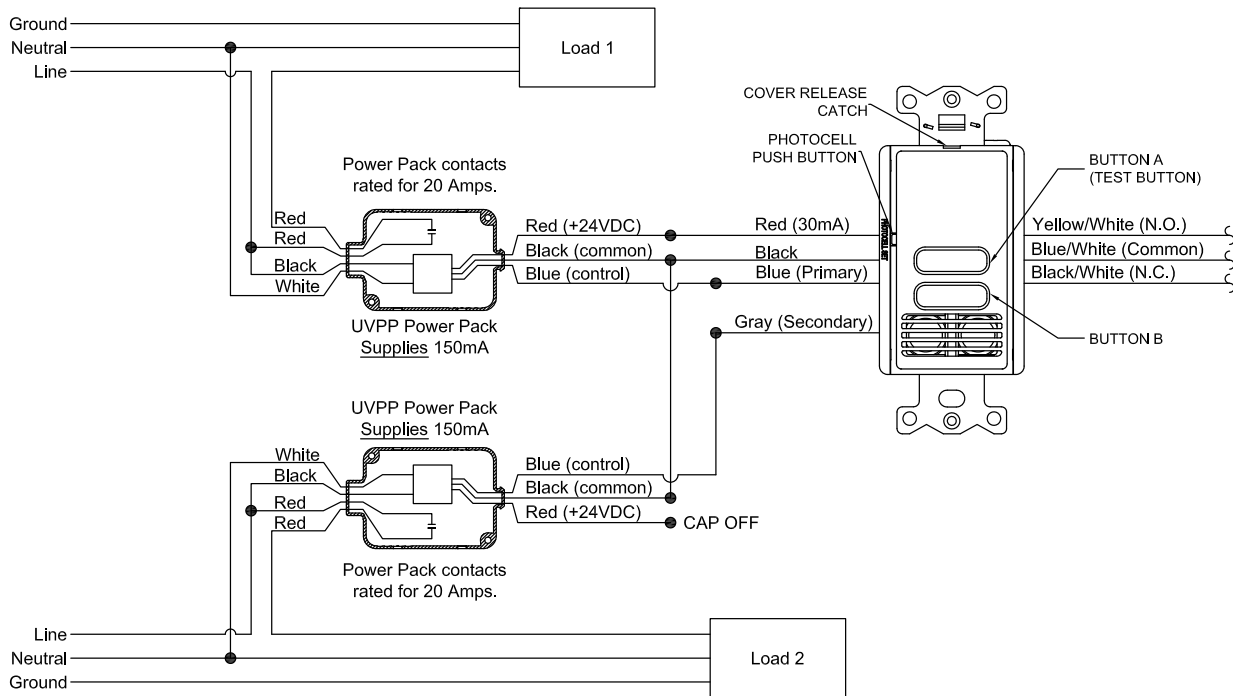
Wiring Diagrams
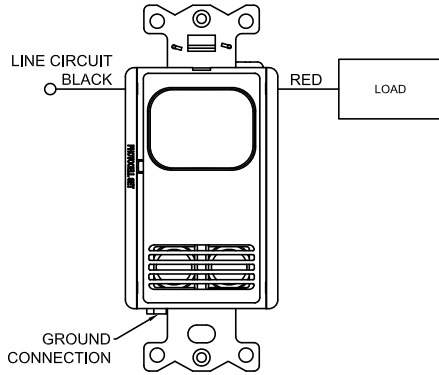
SINGLE LOAD WIRING
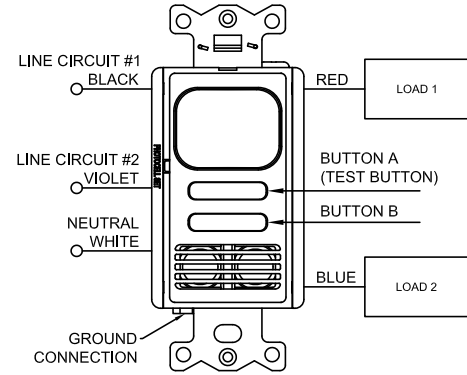
DUAL LOAD WIRING

LOW VOLTAGE DUAL LEVEL CONTROL WITH TWO POWER PACKS