HUBBELL Control Solutions

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

LIGHTHAWK® DUAL TECHNOLOGY WALL SWITCH SENSOR

WALL SWITCH OCCUPANCY SENSORS

FEATURES

- Digital dual technology: Ultrasonic and Passive Infrared
- 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
- 1,000 square-foot, 180° coverage area
- RhinoTuff lens
- 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 Dimming Dual Tech
- LightHAWK Dimming PIR
- LightHAWK PIR
- LightHAWK US
- LightHAWK Night Light

BROCHURES | DIMENSIONS | INSTALL GUIDE

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
- Dual-element pyrometer and 12-element cylindrical RhinoTuff lens

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 timer
  - Self-adjusting Ultrasonic (US) and passive infrared (PIR) sensitivity
  - Automatic false-on/ false-off corrections
  - No manual adjustments required
- Coverage
  - 1,000 square-foot, 180° coverage area

OPERATIONS (CONTINUED)

- Timer Setting
  - 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

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HUBBELL Lighting

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ORDERING GUIDE

Example: LHMTS1-G-WH

CATALOG # _____ – _____ – _____ – _____

Series		Buttons		Wiring		Color		Mode	
LHMTS	LightHAWK® Dual Technology Single Relay	**0**	0[1]	**G**	Ground (120/277V)	**WH**	White	**Blank**	Switchable Vacancy or Occupancy Mode
LHDCMTD	LightHAWK® Dual Technology Dual 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		

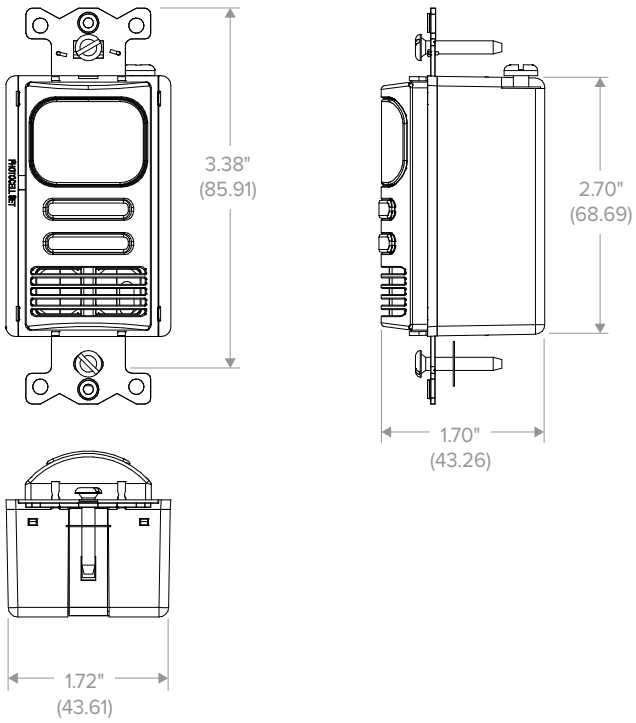
Notes:

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

DIMENSIONS



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HUBBELL Lighting

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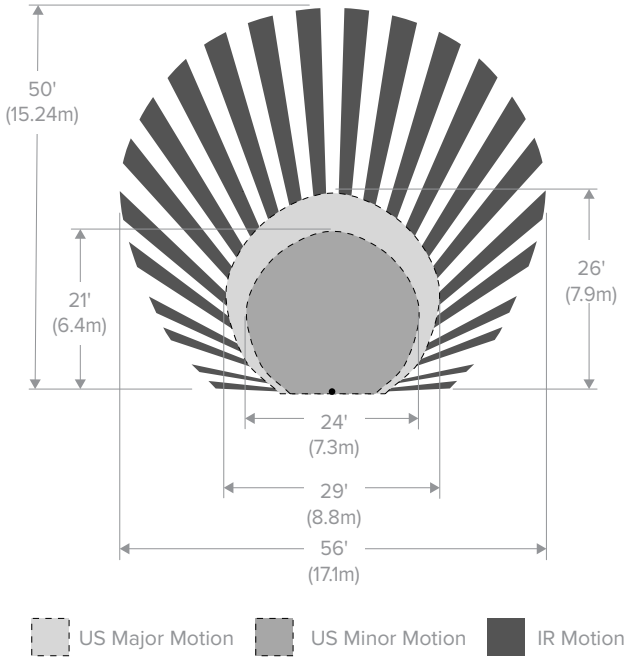
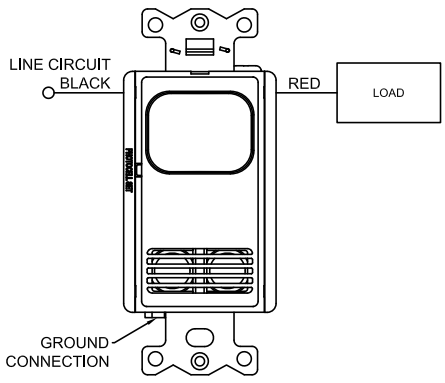
WALL SWITCH OCCUPANCY SENSORS

ADDITIONAL INFORMATION (CONTINUED)

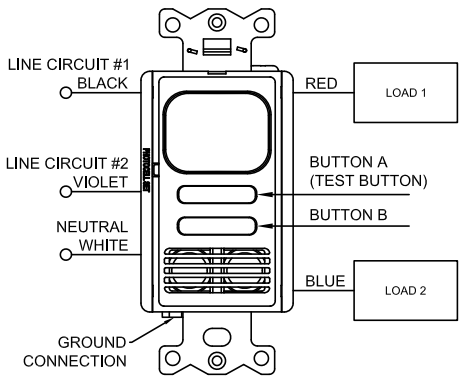
Coverage Pattern



Wiring Diagrams



SINGLE LOAD WIRING



DUAL LOAD WIRING

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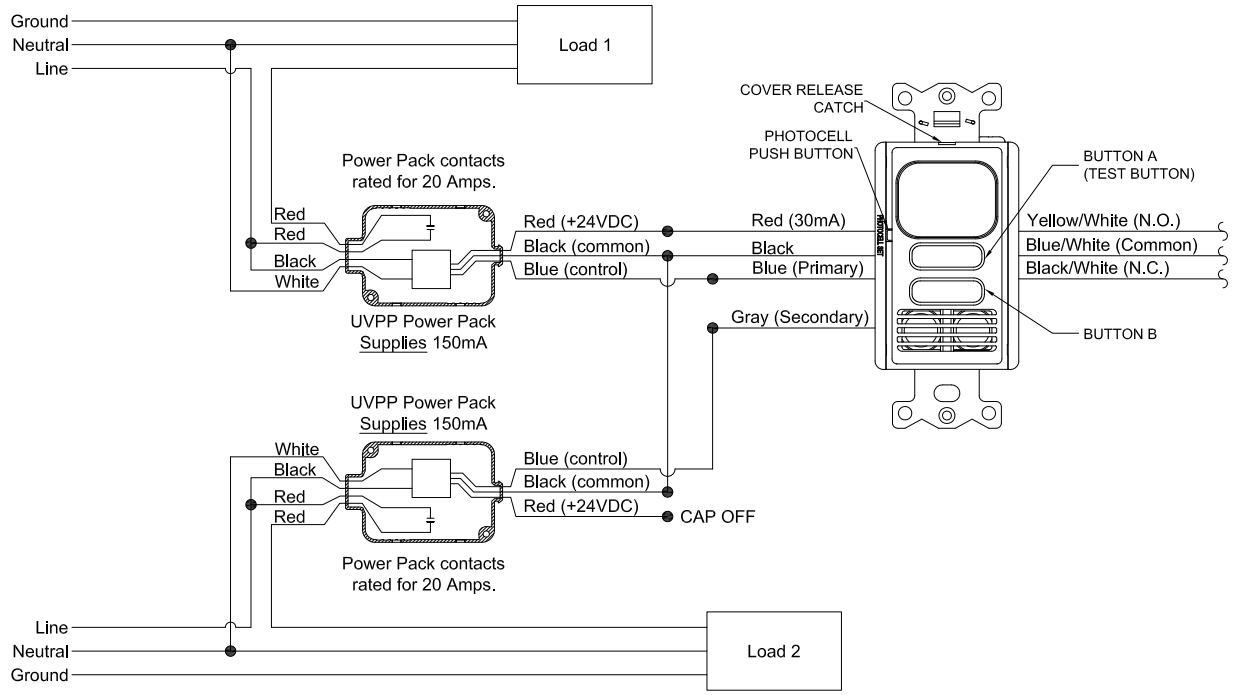
ADDITIONAL INFORMATION (CONTINUED)

Wiring Diagrams



Low Voltage Dual Level Control with Two Power Packs

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