HUBBELL Control Solutions

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

LIGHTHAWK® DIMMING PIR WALL SWITCH SENSOR

WALL SWITCH OCCUPANCY SENSORS

BROCHURE

DIMENSIONS

INSTALL GUIDE

FEATURES

- Digital passive infrared (PIR) sensor
- IntelliDAPT® self-adaptive technology; no manual adjustment required
- Single circuit on/off switching with 0-10V dimming control
- Occupancy (auto-ON) and Vacancy (manual-ON) operating modes
- 1,000 square-foot, 180° coverage area
- RhinoTuff™ vandal resistant lens
- 120/277VAC and 347VAC models
- Zero Arc Point Switching

Title 24 | cULus LISTED | OCCUPANCY SENSING | IntelliDAPT | DAYLIGHT HARVESTING | BUY AMERICAN SOLUTIONS

See Certification Specifications

RELATED PRODUCTS

- Occupancy Sensor Accessories
- LightHAWK PIR
- LightHAWK Dimming Dual Tech
- LightHAWK Dual Tech
- LightHAWK Ultrasonic
- 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
- Quad-element pyrometer and 12-element cylindrical RhinoTuff lens

MOUNTING

- Single-gang NEMA-style switch box (standard switch box - max mounting height: 48")
- Decorator-style wall plate sold separately

ELECTRICAL

- 0-10V, Sink up to 30mA
- Natural light override range: 10-500 foot-candles
- 120/277VAC;50/60Hz
- 347VAC; 50/60Hz
- 120VAC: 800W Incandescent/ Electronic Ballast/ LED Driver, 1,000W Magentic Ballast, ⅛ HP Motor
- 277VAC: 1,800W Magnetic Ballast/ Electronic Ballast/ LED Driver, ⅛ HP Motor

ELECTRICAL (CONTINUED)

- 347VAC: 1,500W Magnetic Ballast/ Electronic Ballast/ LED Driver, ⅛ 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
- Timer Settings
  - Auto mode: 4-20 minutes; self-adjusts based on occupancy
  - Fixed mode: 4, 8, 16, and 20 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
- This product qualifies as both (i) a “domestic construction material” per FAR §52.225-9 Buy American-Construction Materials and a “(COTS) item” per FAR §2.101 and (ii) a “designated country construction material” per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effectivee 5/27/2020. See Buy American Solutions.
- This product qualifies as “designated country construction material” per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 5/27/2020. See Buy American Solutions.

WARRANTY

- 5 year warranty
- See HCS Standard Warranty for additional information

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HUBBELL Lighting

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ORDERING GUIDE

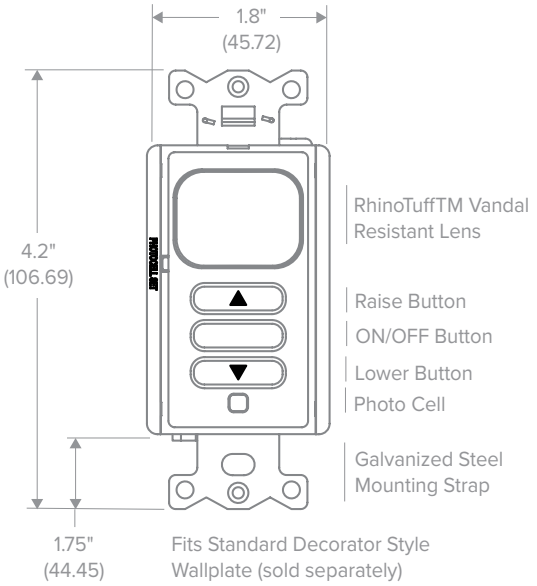
Example: LHDMIRS3-N-WH-U

CATALOG #

LHDMIRS	3	–		–		–		–	
Series	**Buttons**		**Wiring**		**Color**		**Mode**		**BAA/TAA***	
LHDMIRS LightHAWK Dimming Passive Infrared Single Relay, 0-10V Dimming	**3** 3		**N** Neutral (120/277V) **N347** Neutral (347V)		**WH** White **IV** Ivory **LA** Light Almond **GY** Gray **BK** Black		**Blank** Switchable Vacancy or Occupancy Mode **M** Vacancy Mode Only		**Blank** Standard Product **U** BAA **T** TAA	

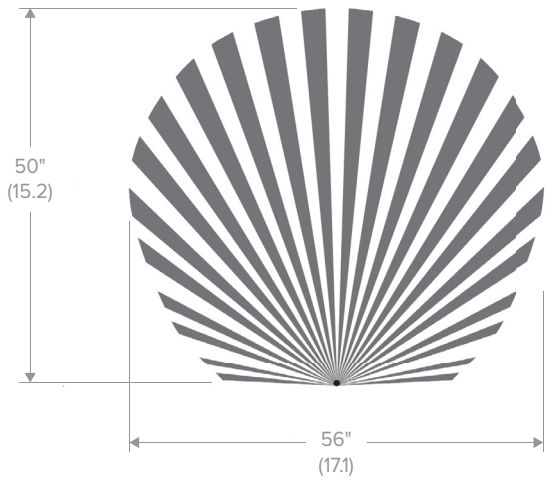
DIMENSIONS

*Buy American Solutions	
BAA FAR §52.225-9	**TAA** FAR §52.225-11
LHDMIRS3-N-WH	



ADDITIONAL INFORMATION

Coverage Pattern



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HUBBELL Lighting

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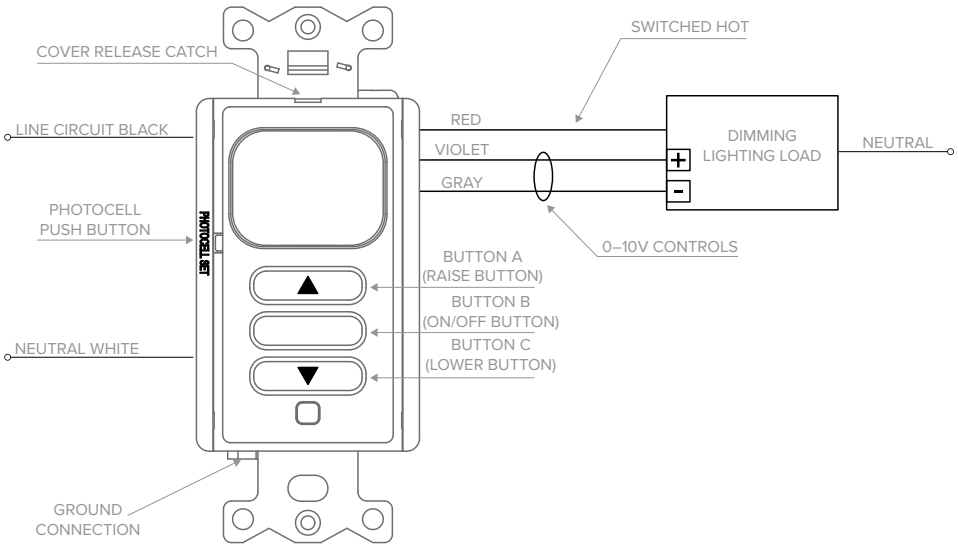
WALL SWITCH OCCUPANCY SENSORS

ADDITIONAL INFORMATION CONTINUED

Wiring Diagram



SINGLE LOAD WIRING

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