Lighting Controls

LIGHTHAWK® DIMMING PIR WALL SWITCH SENSOR

WALL SWITCH OCCUPANCY SENSORS

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

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, ⅙ HP Motor

- 277VAC: 1,800W Magnetic Ballast/ Electronic Ballast/ LED Driver, ⅙ HP Motor

ELECTRICAL (CONTINUED)
- 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

- 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.

- This product qualifies as "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 5/27/2020.

WARRANTY
- 5 year warranty

Current

currentlighting.com

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ORDERING GUIDE

CATALOG #

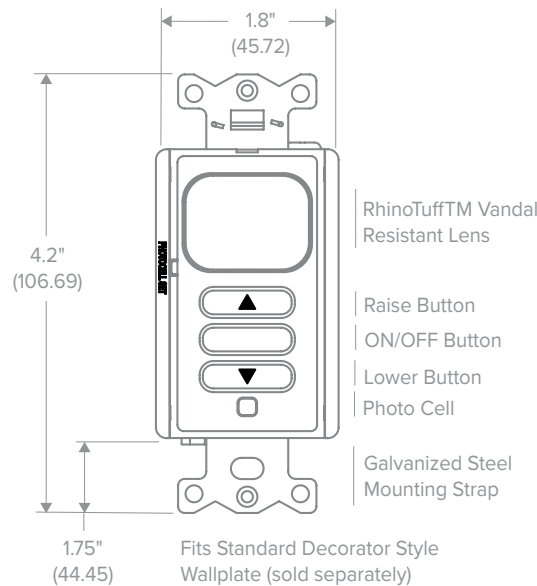| LHRDMIRS		3	–		–		–		–	
Series		**Buttons**		**Wiring**		**Color**		**Mode***		**BAA/TAA****
LHRDMIRS	LightHAWK Dimming Passive Infrared Single Relay, 0-10V Dimming	**3** 3		**N** Neutral (120/277V)		**WH** White		**Blank** Switchable Vacancy or Occupancy Mode		**Blank** Standard Product
				N347 Neutral (347V)[1]		**IV** Ivory		**M** Vacancy Mode Only		**U** BAA
						LA Light Almond				**T** TAA
						GY Gray				
						BK Black				

Notes:

1   347V option only available in white (WH)

    * Please see vacancy mode only options table below

    ** Please see Buy American Solutions table below

*Vacancy Mode Only Options
LHRDMIRS3-N-WH-M

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

DIMENSIONS

1.8" (45.72)

4.2" (106.69)

1.75" (44.45)

RhinoTuffTM Vandal Resistant Lens

Raise Button

ON/OFF Button

Lower Button

Photo Cell

Galvanized Steel Mounting Strap
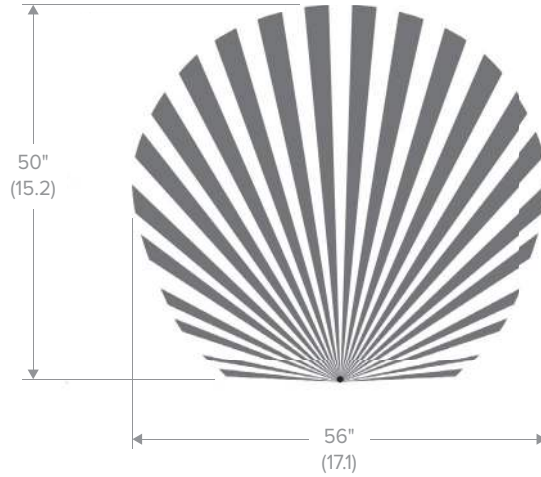
Fits Standard Decorator Style Wallplate (sold separately)

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ADDITIONAL INFORMATION

Coverage Pattern

50"
(15.2)

56"
(17.1)

Wiring Diagram

COVER RELEASE CATCH

LINE CIRCUIT BLACK

PHOTOCELL
PUSH BUTTON

PHOTOCELL SET

NEUTRAL WHITE

GROUND
CONNECTION

SWITCHED HOT

RED
VIOLET
PINK

DIMMING
LIGHTING LOAD

NEUTRAL

+
−

0–10V CONTROLS

BUTTON A
(RAISE BUTTON)

BUTTON B
(ON/OFF BUTTON)

BUTTON C
(LOWER BUTTON)
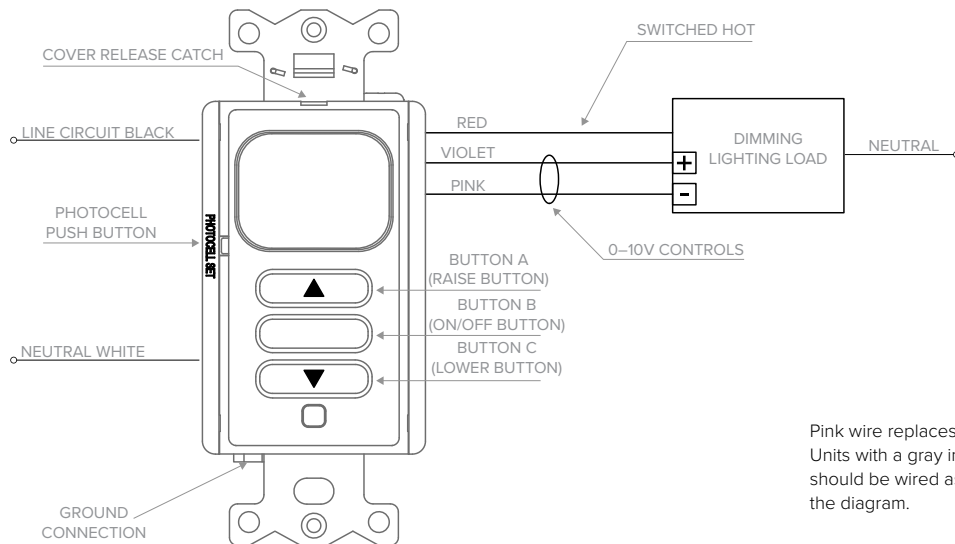
Pink wire replaces previous gray wire.
Units with a gray instead of pink wire
should be wired as the pink wire shown in
the diagram.

SINGLE LOAD WIRING

1122A LightHAWK Dimming Spec_R02