LIGHTHAWK® DIMMING DUAL TECHNOLOGY WALL SWITCH SENSOR

WALL SWITCH OCCUPANCY SENSORS

FEATURES

- Digital Dual Technology Passive Infrared (PIR) and Ultrasonic (US) 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)
- 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: 0-1000W Ballast, E-Ballast, LED, Tungsten; Motor Rating: ⅛ HP
- 277VAC: 0-1200W Ballast, E-Ballast, LED; Motor Rating: ⅙ HP
- 347VAC: 0-1500W Ballast, LED; Motor Rating: None

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 Settings
  - Auto mode: 4-20 minutes; self-adjusts based on occupancy
  - Fixed mode: 4, 8, 15, 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
- Product configurations meet federal procurement law requirements under the Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions.

WARRANTY

- 5 year warranty

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ORDERING GUIDE

Example: LHRDMMTS2-N-WH-M

CATALOG #

LHRDMMTS2	—	Wiring	—	Color	—	Mode*	—	BAA/TAA**
Series		**Wiring**		**Color**		**Mode***		**BAA/TAA****
LHRDMMTS2 LightHAWK® Dimming Dual Technology, Single Relay, 0-10V Dimming		**N** Neutral (120/277V) **N347** Neutral (347V) [1]		**WH** White **IV** Ivory **LA** Light Almond **GY** Gray **BK** Black		**Blank** Switchable Vacancy or Occupancy Mode **M** Vacancy Mode Only		**Blank** Standard Product ** See available Buy American Solutions below

Notes:

1.   347V option only available in white (WH)
2.   Base model number is different

   * Please see vacancy mode only options table to right

   ** Please see Buy American Solutions table to right

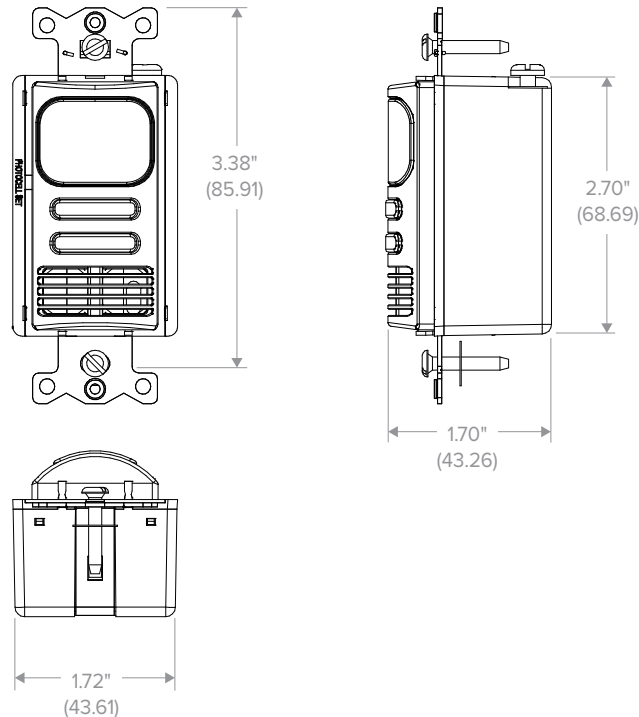| *Vacancy Mode Only Options |
|---|
| LHRDMMTS2-N-WH-M |

**Buy American Solutions	
TAA FAR §52.225-11	
LHDMMTS2-N-WH-T [2]	

DIMENSIONS
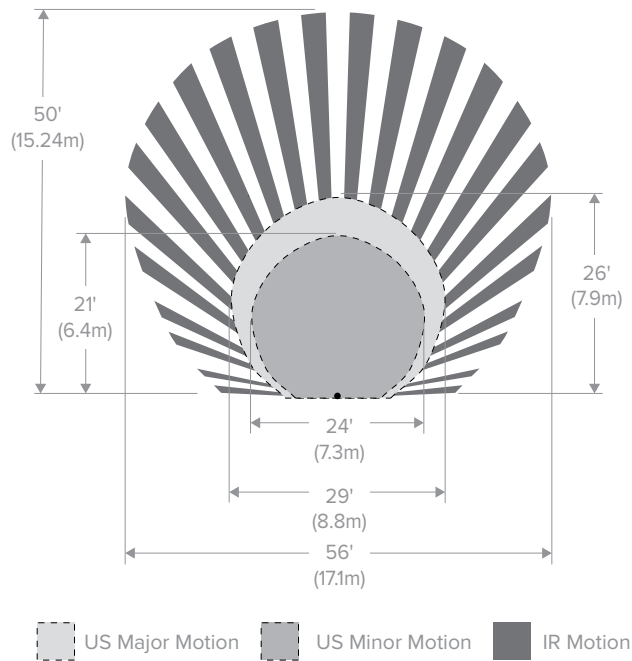

3.38" (85.91)

2.70" (68.69)

1.70" (43.26)

1.72" (43.61)

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ADDITIONAL INFORMATION

Coverage Pattern

50'
(15.24m)

21'
(6.4m)

26'
(7.9m)

24'
(7.3m)

29'
(8.8m)

56'
(17.1m)

US Major Motion   US Minor Motion   IR Motion

WIRING DIAGRAMS

COVER RELEASE CATCH

LINE CIRCUIT BLACK

PHOTOCELL
PUSH BUTTON

NEUTRAL WHITE

GROUND
CONNECTION

PHOTOCELL JET

RED
VIOLET
PINK

DIMMING
FIXTURE

BUTTON A/ (ON/RAISE BUTTON)

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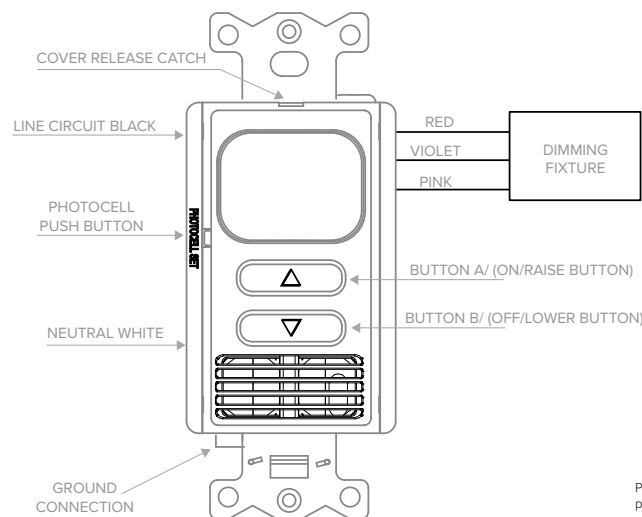
Pink wire replaces previous gray wire. Units with a gray instead of
pink wire should be wired as the pink wire shown in the diagram.