Lighting Controls

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: ⅛ 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
- 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 effective 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

Lighting Controls

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

LIGHTHAWK® DIMMING DUAL TECHNOLOGY WALL SWITCH SENSOR
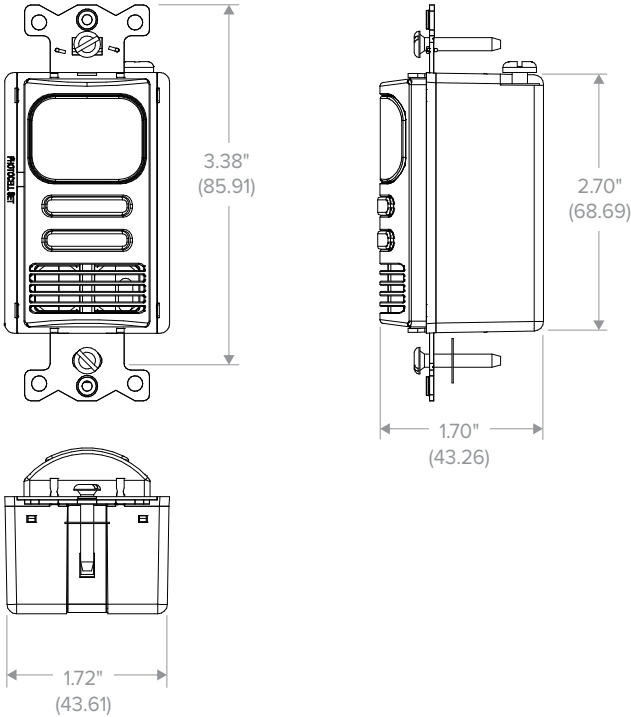WALL SWITCH OCCUPANCY SENSORS

ORDERING GUIDE

Example: LHRDMMTS2-N-WH-M

CATALOG #

LHRDMMTS2		2							
Series		**Buttons**							
LHRDMMTS2	LightHAWK® Dimming Dual Technology, Single Relay, 0-10V Dimming	**2**	2						

Wiring	
N	Neutral (120/277V)
N347	Neutral (347V)

Color	
WH	White
IV	Ivory
LA	Light Almond
GY	Gray
BK	Black

Mode	
Blank	Switchable Vacancy or Occupancy Mode
M	Vacancy Mode Only

BAA/TAA*	
Blank	Standard Product
U	BAA
T	TAA

*Buy American Solutions	
BAA FAR §52.225-9	**TAA** FAR §52.225-11
LHRDMMTS2-N-WH	LHRDMMTS2-N-WH

DIMENSIONS

3.38" (85.91)

2.70" (68.69)

1.70" (43.26)

1.72" (43.61)

1123A LightHAWK Dimming Dual Tech_spec_R01

Current

LIGHTHAWK® DIMMING DUAL TECHNOLOGY WALL SWITCH SENSOR
WALL SWITCH OCCUPANCY SENSORS

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

RED

VIOLET

PINK

DIMMING FIXTURE

PHOTOCELL PUSH BUTTON

PHOTOCELL

BUTTON A/ (ON/RAISE BUTTON)

BUTTON B/ (OFF/LOWER BUTTON)

NEUTRAL WHITE

GROUND CONNECTION
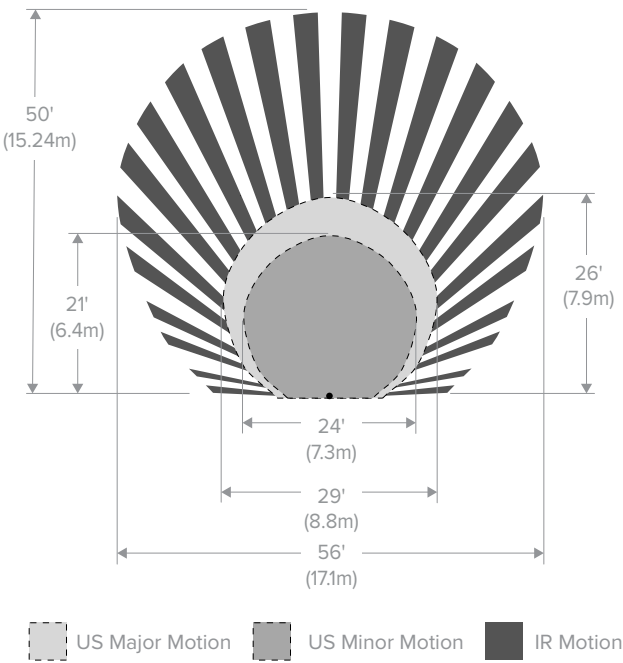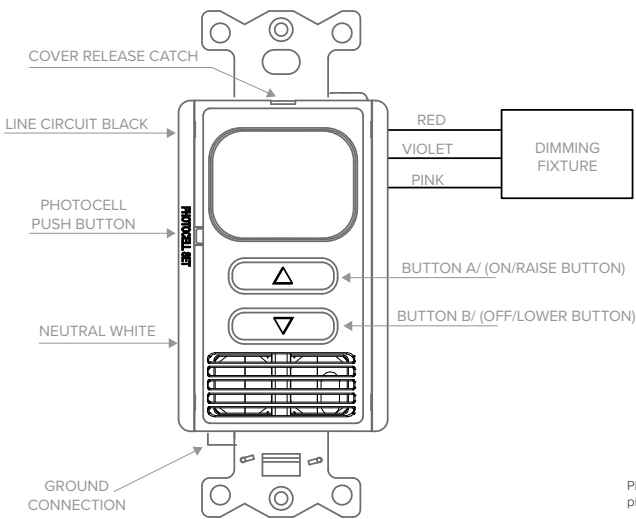
Pink wire replaces previous gray wire. Units with a gray instead of pink wire should be wired as the pink wire shown in the diagram.

1123A LightHAWK Dimming Dual Tech_spec_R01