Wall Switch Occupancy Sensors
LightHawk™ Multi-Technology
Wall Switch Sensor featuring IntelliDAPT®

KEY FEATURES

- All-digital dual technology
  (ultrasonic [US] and passive infrared [PIR]) sensor
- IntelliDAPT self-adaptive technology—no manual
  adjustment required
- Auto-on and manual-on operating modes
  (depending on model)
- 1,000 square-foot, 180° coverage area
- Built-in photocell with SuperSaver™ mode
- RhinoTuff™ lens
- Dual 120/277 or 347 VAC operation
- No minimum load requirement
- Zero Arc Point Switching
- ETL, UL, and cUL listed
- Five-year warranty

LHMTS1   *LHMTS0*

OVERVIEW

LHMTS sensors combine ultrasonic (US) and passive infrared (PIR) technologies for unequaled occupancy detection and false trip immunity. These sensors feature Hubbell Building Automation's patented IntelliDAPT technology, which makes all the sensor adjustment decisions automatically. Throughout the product's lifespan, smart software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with IntelliDAPT provide a maintenance-free install-and-forget operation. With selectable operating modes—automatic ON/OFF or manual ON/automatic OFF—and a built-in photo-sensor for automatic daylight harvesting, LHMTS sensors are the most capable choice in today's market place.

FEATURES and BENEFITS

Features	Benefits
IntelliDAPT technology	• Sensor automatically determines the ideal setting for an area • No manual sensitivity or timer adjustments required • Provides a maintenance-free install-and-forget operation
All-digital dual technology (ultrasonic [US] and passive infrared [PIR]) sensor)	• Superior US minor-motion detection with excellent PIR long-range major-motion detection
Auto-on and manual-on operating modes (depending on model)	• Provides auto-on/auto-off and manual-on/auto-off operations
Tamper-proof automatic-only version available	• Automatically turns lighting on and off without requiring the user to push a button
RhinoTuff lens	• Impact-resistant infrared (IR) lens
Built-in photocell with optional SuperSaver mode	• Increases energy savings by preventing lights from turning on when there is sufficient natural light • Optional SuperSaver mode—turns lights off during periods of occupancy if there is enough natural light to illuminate the area

SPECIFICATIONS

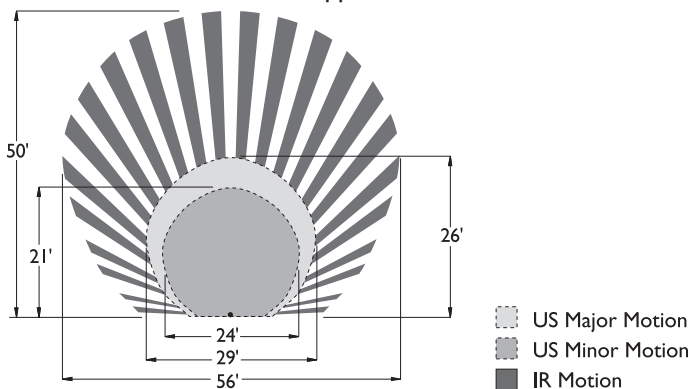|	
IntelliDAPT technology	• Self-adjusting timer • Self-adjusting ultrasonic (US) and passive infrared (PIR) sensitivity • Automatic false-on/false-off corrections • No manual adjustments required
Timer timeout	• Auto mode: 4–30 minutes; self-adjusts based on occupancy • Fixed mode: 4, 8, 15, and 30 minutes • Test mode: 5 seconds
Ultrasonic (US) output	• 40kHz output
Passive infrared (PIR)	• Dual-element pyrometer and 12-element cylindrical RhinoTuff lens
Photocell	• Natural light override range: 10–500 foot-candles
Coverage	• 1,000 square-foot, 180° coverage area
Power requirements	• 120/277 or 347 VAC; 50/60Hz
Electrical ratings	• 120 VAC: 800W Incandescent; 1,000W Fluorescent; 1/6 HP • 277 VAC: 1,800W Fluorescent; 1/6 HP • 347 VAC: 3,470W Fluorescent
Load requirements	• None
Operating environment	• Indoor use only • Operating temperature: 32°–104°F (0°–40°C) • Relative humidity (non-condensing): 0–95%
Construction	• Casing—high-impact injection-molded plastic (UL-94-5V) • Impact-resistant lens • Color-coded leads are 6" long
Size and weight	• Size: 4.2" x 1.8" x 2.1"; .37" extension • Weight: 2.9 oz
Color	• White; Ivory; Light Almond; Gray; Black
Mounting	• Single-gang NEMA-style switch box (average switch box) • 347v unit mounts on a 347v wall box • Decorator-style wall plate not included
Certifications	• ETL, UL, and cUL listed
Warranty	• Five years

ORDERING INFORMATION

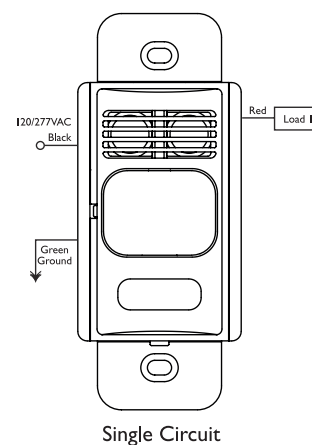| Catalog Number	Description
LHMTS1*	Ultrasonic and PIR Wall Switch Sensor with IntelliDAPT and Automatic/Manual Control, 120/277VAC
LHMTS0*	Ultrasonic and PIR Wall Switch Sensor with IntelliDAPT and Automatic Only Control, 120/277VAC
LHMTS1C*	Ultrasonic and PIR Wall Switch Sensor with IntelliDAPT and Automatic/Manual Control, 347VAC
LHMTS0C*	Ultrasonic and PIR Wall Switch Sensor with IntelliDAPT and Automatic Only Control, 347VAC

* = W – White, I – Ivory, A – Light Almond, G – Gray, B – Black

RANGE DIAGRAM
*Refer to Application Guide.

50'
21'
24'
29'
56'
26'

US Major Motion
US Minor Motion
IR Motion

WIRING DIAGRAM

120/277VAC
Black
Red
Load 1
Green
Ground

Single Circuit