



Wall Switch Occupancy Sensors

LightHawk™ Ultrasonic

Wall Switch Sensor featuring IntelliDAPT®

KEY FEATURES

- All-digital ultrasonic (US) sensor
- IntelliDAPT self-adaptive technology—no manual adjustment required
- 2 relays for two-level switching or dual-circuit control
- Auto-on and manual-on operating modes (depending on model)
- 400 square-foot, 180° coverage area
- Built-in photocell with SuperSaver™ mode
- Dual 120/277 VAC operation
- No minimum load requirement
- Zero Arc Point Switching
- ETL, UL, and cUL listed
- Five-year warranty



LHUSS1



LHUSS0

OVERVIEW

LHUSS sensors use ultrasonic (US) technology 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 photosensor for automatic daylight harvesting, the LHUSS sensors are the most capable choice in today’s market place.

FEATURES and BENEFITS

Features

IntelliDAPT technology

All-digital ultrasonic (US) sensor

Auto-on and manual-on operating modes (depending on model)

Tamper-proof automatic-only version available

Built-in photocell with optional SuperSaver mode

Benefits

- Sensor automatically determines optimum setting
- No manual sensitivity or timer adjustments required
- Provides a maintenance-free install-and-forget operation
- Superior US minor-motion detection
- Provides auto-on/auto-off and manual-on/auto-off operations
- Automatically turns lighting on and off without requiring the user to push a button
- Increases energy savings by preventing the 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	<ul style="list-style-type: none"> • Self-adjusting timer • Self-adjusting ultrasonic (US) sensitivity • Automatic false-on/false-off corrections • No manual adjustments required
Timer timeout	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 40kHz output
Photocell	<ul style="list-style-type: none"> • Natural-light override range: 10–500 foot-candles
Coverage	<ul style="list-style-type: none"> • 400 square-foot, 180° coverage area
Power requirements	<ul style="list-style-type: none"> • 120/277VAC; 50/60Hz
Electrical ratings	<ul style="list-style-type: none"> • 120VAC: 800W Incandescent; 1,000W Fluorescent; 1/6 HP • 277VAC: 1,800W Fluorescent; 1/6 HP
Load requirements	<ul style="list-style-type: none"> • No minimum load
Operating environment	<ul style="list-style-type: none"> • Indoor use only • Operating temperature: 32°–104°F (0°–40°C) • Relative humidity (non-condensing): 0–95%
Construction	<ul style="list-style-type: none"> • Casing—high-impact injection-molded plastic (UL-94-5V) • Color-coded leads are 6" long
Size and weight	<ul style="list-style-type: none"> • Size: 4.2" x 1.8" x 2.1"; .37" extension • Weight: 2.9 oz
Color	<ul style="list-style-type: none"> • White; Ivory; Light Almond; Gray; Black
Mounting	<ul style="list-style-type: none"> • Single-gang NEMA-style switch box (average switch box) • (Decorator-style wall plate not included)
Certifications	<ul style="list-style-type: none"> • ETL, UL, and cUL listed
Warranty	<ul style="list-style-type: none"> • Five years

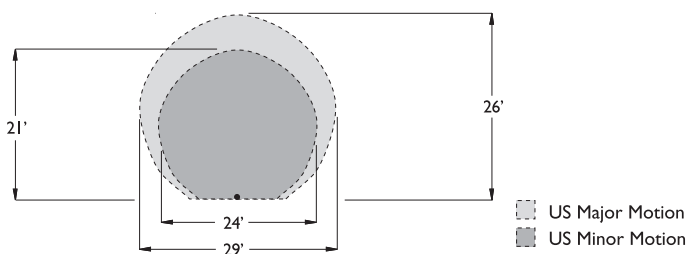
ORDERING INFORMATION

Catalog Number	Description
LHUSI*	Ultrasonic Wall Switch Sensor with IntelliDAPT and Automatic/Manual Control, 120/277VAC
LHUS0*	Ultrasonic Wall Switch Sensor with IntelliDAPT and Automatic Only Control, 120/277VAC

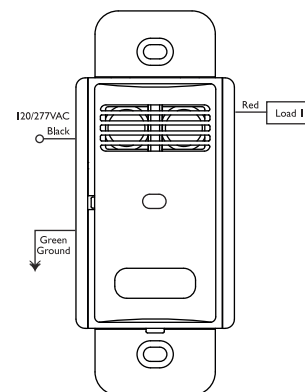
* = W – White, I – Ivory, A – Light Almond, G – Gray, B – Black

RANGE DIAGRAM

*Refer to Application Guide.



WIRING DIAGRAM



Single Circuit



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