



## Wall Switch Occupancy Sensors

*LightHawk™ Passive Infrared*

*Wall Switch Sensor featuring IntelliDAPT®*

### KEY FEATURES

- All-digital 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



LHIRSI



LHIRSO

### OVERVIEW

LHIRS sensors use passive infrared (PIR) 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, LHIRS sensors are the best choice in today's market place.

### FEATURES and BENEFITS

#### Features

IntelliDAPT technology

All-digital passive infrared (PIR) sensor

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

Tamper-proof automatic-only version available

RhinoTuff lens

Built-in photocell with optional SuperSaver mode

#### Benefits

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

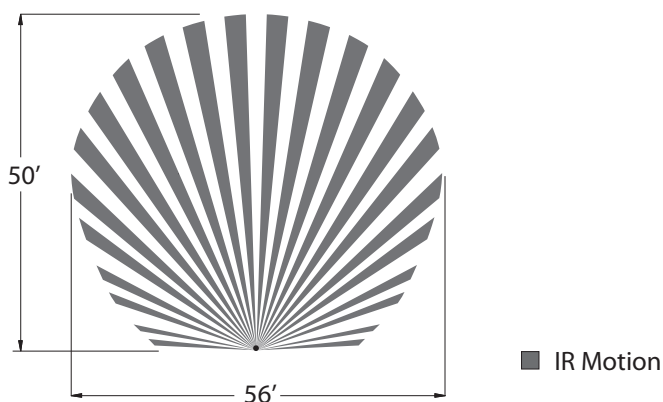
## ORDERING INFORMATION

Catalog Number	Description
LHIRS1*	Passive Infrared Wall Switch Sensor with IntelliDAPT and Automatic/Manual Control, 120/277VAC
LHIRS0*	Passive Infrared Wall Switch Sensor with IntelliDAPT and Automatic Only Control, 120/277VAC
LHIRS1C*	Passive Infrared Wall Switch Sensor with IntelliDAPT and Automatic/Manual Control, 347VAC
LHIRS0C*	Passive Infrared Wall Switch Sensor with IntelliDAPT and Automatic Only Control, 347VAC

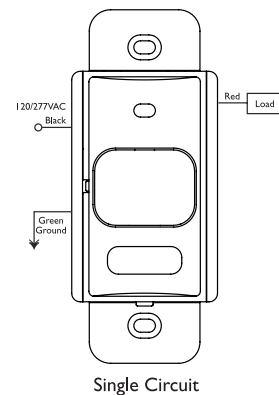
\* = W – White, I – Ivory, A – Light Almond, G – Gray, B – Black

## RANGE DIAGRAM

\*Refer to Application Guide.



## WIRING DIAGRAM



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