



Wireless Lighting Controls

wiHUBB™ Ceiling Mount and Wall Mount Sensors

KEY FEATURES

- IntelliDAPT® self-adaptive technology – no manual adjustment required
- All-digital passive infrared, ultrasonic, acoustic and dual technology models available
- Non-volatile memory for sensor settings
- Coverage range: 500 sq. ft. to 2,000 sq. ft. (based on model)
- Optional Isolated Form C relay with NO/NC outputs
- Plug-and-play integration with wiHUBB Smart Pack
- Five-year limited warranty



WIH-OS-LODT



WIH-OS-OMDT2

OVERVIEW

Hubbell Building Automation’s wiHUBB™ Ceiling Mount and Wall Mount Occupancy Sensors employ passive infrared, ultrasonic, and acoustic sensing technologies to turn lighting on and off based on occupancy. These sensors represent the state-of-the-art in sensor technology and are designed to provide accurate turn-on while virtually eliminating false-offs. The sensors feature Hubbell Building Automation’s patented IntelliDAPT® technology, which makes all the sensor adjustments 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. All wiHUBB Occupancy Sensors provide plug-and-play integration with the wiHUBB Smart Pack.

SPECIFICATIONS

IntelliDAPT	<ul style="list-style-type: none"> • Auto reset from test setting • Self-adjusting timer • Self-adjusting ultrasonic and passive infrared thresholds • Automatic false-on, false-off corrections
LED Indicators	<ul style="list-style-type: none"> • Red: motion detected by Passive Infrared sensing technology • Green: motion detected by Ultrasonic sensing technology
Timer Timeout	<ul style="list-style-type: none"> • Automatic mode: 8-30 min. (self-adjusts based on occupancy) • Test mode: 8 seconds (for an easy check at installation)
Ultrasonic Output	<ul style="list-style-type: none"> • Maximum amount of radiation output allowed: 115dB @ 1 ft. from source • Frequency: 32.768kHz or 40kHz (based on model)
Passive Infrared	<ul style="list-style-type: none"> • Dual element pyrometer and 12 element cylindrical rugged lens
Form C Relay	<ul style="list-style-type: none"> • Relay: NO + NC contacts, SPDT, 500 mA rated @ 24VDC, three wire, isolated relay
Coverage	<ul style="list-style-type: none"> • Ceiling mount sensor: 500 sq. ft. (Major motion) / 250 sq. ft. (Minor motion) to 2000 sq. ft. (Major motion) / 1000 sq. ft. (Minor motion) –(based on model) • Wall mount sensor: 1600 sq. ft. (Major motion) / 800 sq. ft. (Minor motion)
Power Requirements	<ul style="list-style-type: none"> • Powered by wiHUBB Smart Pack SmartPORT using plenum rated SmartPORT plug-and-play cables (ordered separately)
Operating environment	<ul style="list-style-type: none"> • Indoor use only • Operating Temperature: 0°C to +40°C • Relative humidity (non-condensing): 0 – 95%

Construction	<ul style="list-style-type: none"> Casing – rugged, high-impact, injection-molded plastic KJB ABS Cyclac (UV-945VA) flame class rating, UV inhibitors Quick to Install Connectors
Size and weight	<ul style="list-style-type: none"> Size: 4.5" diameter, 1.5" height (114 mm diameter, 38mm height) Weight: 5.0 oz (142g)
Color	<ul style="list-style-type: none"> Off White
Mounting	<ul style="list-style-type: none"> Mounting base provided Recommended MAX mounting height: 12 ft.
Patents	<ul style="list-style-type: none"> U.S. Patents: 6151529, 5946209, 5699243, 5640143, 6415205, 6078253, D404326, 6222191, 5986357, 6759954 Patent(s) Pending
Certifications	<ul style="list-style-type: none"> UL and cUL listed
Warranty	<ul style="list-style-type: none"> Five-year limited

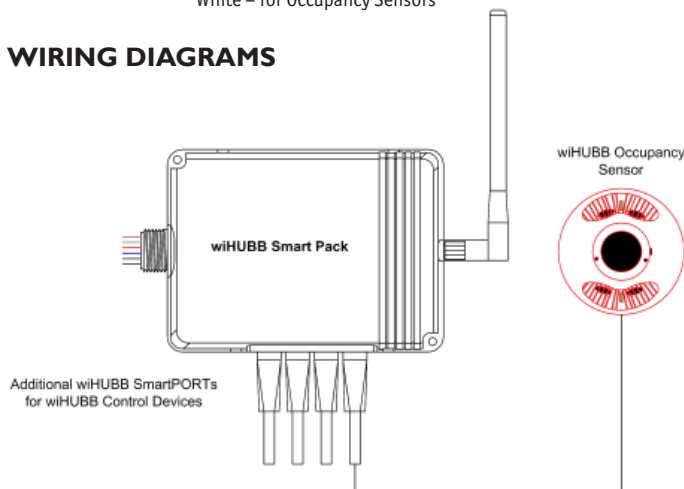
HOW TO ORDER

MODEL	SENSOR TYPE
WIH-0S	<p>OMDT2 Ceiling Mount, PIR and Ultrasonic, 2000 Sq. Ft.</p> <p>OMDT2R Ceiling Mount, PIR and Ultrasonic, 2000 Sq. Ft., Form C Relay</p> <p>OMDT1 Ceiling Mount, PIR and Ultrasonic, 1000 Sq. Ft.</p> <p>OMDT1R Ceiling Mount, PIR and Ultrasonic, 1000 Sq. Ft., Form C Relay</p> <p>OMDT5 Ceiling Mount, PIR and Ultrasonic, 500 Sq. Ft.</p> <p>OMDT5R Ceiling Mount, PIR and Ultrasonic, 500 Sq. Ft., Form C Relay</p> <p>OMUS2 Ceiling Mount, Ultrasonic, 2000 Sq. Ft.</p> <p>OMUS2R Ceiling Mount, Ultrasonic, 2000 Sq. Ft., Form C Relay</p> <p>OMUS1 Ceiling Mount, Ultrasonic, 1000 Sq. Ft.</p> <p>OMUS1R Ceiling Mount, Ultrasonic, 1000 Sq. Ft., Form C Relay</p> <p>OMUS5 Ceiling Mount, Ultrasonic, 500 Sq. Ft.</p> <p>OMUS5R Ceiling Mount, Ultrasonic, 500 Sq. Ft., Form C Relay</p> <p>OMIR Ceiling Mount, Passive Infrared, 450 Sq. Ft.</p> <p>OMIRR Ceiling Mount, Passive Infrared, 450 Sq. Ft., Form C Relay</p> <p>OMIRL Ceiling Mount, Passive Infrared, 1500 Sq. Ft.</p> <p>OMIRLR Ceiling Mount, Passive Infrared, 1500 Sq. Ft., Form C Relay</p> <p>OMIDIA Ceiling Mount, PIR and Acoustic, 450 Sq. Ft.</p> <p>OMIDIAR Ceiling Mount, PIR and Acoustic, 450 Sq. Ft., Form C Relay</p> <p>LODT Wall Mount, PIR and Ultrasonic, 1600 Sq. Ft.</p> <p>LODTR Wall Mount, PIR and Ultrasonic, 1600 Sq. Ft., Form C Relay</p> <p>LOIRWV Wall Mount, Passive Infrared, 2500 Sq. Ft.</p> <p>LOIRWVR Wall Mount, Passive Infrared, 2500 Sq. Ft., Form C Relay</p> <p>LOIRHB Wall Mount, Passive Infrared, 50' at 30' Height</p> <p>LOIRHBR Wall Mount, Passive Infrared, 50' at 30' Height, Form C Relay</p> <p>LODIA Wall Mount, PIR and Acoustic, 1600 Sq. Ft.</p> <p>LODIAR Wall Mount, PIR and Acoustic, 1600 Sq. Ft., Form C Relay</p>

Occupancy Sensor Cables

MODEL / DESCRIPTION
WIH-CAB-50F-WH SmartPORT Cable, 50ft, White – for Occupancy Sensors
WIH-CAB-100F-WH SmartPORT Cable, 100ft, White – for Occupancy Sensors

WIRING DIAGRAMS



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