

Occupancy Sensor - Commercial Grade Self-Adaptive In-Wall PIR Occupancy/Vacancy Sensor, No Neutral Required, White

Item IOS-DSR-WH



PRODUCT DESCRIPTION

The passive infrared sensors work by detecting the difference between heat emitted from the human body in motion and the background space. The sensor switch can turn a load ON and hold it as long as the sensor detects occupancy. After no motion is detected for the set time delay, the load turns OFF automatically. The sensor switch has one relay (equal to single pole switch), it also includes Auto Set and Walk Through features.

FEATURES

- ▶ Passive Infrared (PIR) sensing for presence detection
- ▶ Coverage: 180°, 1200 ft² with non-obstructed views
- ▶ User-selectable Vacancy or Occupancy switch mode
- ▶ Zero-crossing technology for long life and performance
- ▶ Automatic self-adaptive time delay based on occupancy patterns
- ▶ IOS-DSR/DDR models feature optional walk-through detection mode
- ▶ Adjustable ambient light sensor override
- ▶ Incandescent/Fluorescent/CFL/LED compatible
- ▶ IOS-DOV models require a neutral connection
- ▶ Fits standard decorator wall plate (included)

APPLICATIONS

- ▶ Indoor Sensing Control

TECHNICAL DATA

General

Model Number	IOS-DSR-WH
Description	Commercial Grade Self-Adaptive In-Wall PIR Occupancy/Vacancy Sensor, No Neutral Required, White
UPC Code	078275125186
Brand	Intermatic
Warranty Period	5-Year limited
Country of Origin (Intermatic)	CHINA

Control Specifications

Sensor Switch Type	Occupancy; Vacancy
Sensor Technology	PIR (Passive Infrared); Zero-crossing
Adjustable Time Delay Min	15 sec
Adjustable Time Delay Max	30 min
Adjustable Light Level Min	30 lux
Adjustable Light Level Max	Daylight
Has Walk-Through Detection	Yes
PIR Coverage Area (sq ft)	1200
Application Compatibilities	Incandescent; Fluorescent; CFL; LED

Mechanical Specifications

PIR Coverage Pattern (degrees)	180
Maximum Mounting Height (ft)	4 ft
Mount Type	In-Wall

Dimensions	
Product Height (in)	2.625
Product Height (mm)	67
Product Width (in)	1.313
Product Width (mm)	33
Product Depth (in)	1.75
Product Depth (mm)	44

Material Specifications	
Color	White
Includes Wall Plate	Yes

Load Ratings	
Electronic Ballast LED	800 VA, 120 VAC; 1600 VA, 277 VAC
Tungsten Range(s)	800 W, 120/125 VAC
Resistive Load Ratings Ranges	800 W, 120 VAC
Motor Load Ratings Ranges	1/4 HP
Ballast Fluorescent Ranges	800 VA, 120 VAC; 1600 VA, 277 VAC
Electronic Ballast Load Ratings NO Ranges	800 VA, 120/125 VAC; 1600 VA, 277 VAC

Electrical Specifications	
Input Voltage Range(s)	120/277 VAC, 50/60 Hz
Occupancy Sensor Power Type	Line Voltage
Number of Circuits	1
Watts	800
Hz	50/60
Amperage	20 A

Packaging	
Shipping Weight (lbs)	0.4
Shipping Weight (kg)	0.181
Unit Carton Dimensions (H x W x L) in	5 x 2.25 x 3 in

Environmental Specifications	
Temperature (operation)	32 - 131°F / 0 - 55°C

Standards and Certifications	
UL Certification	cULus
Other Certifications and Compatibilities	Title 20; Green Energy
California Proposition 65	None
RoHS Certification	N/A