



# LIGHTING CONTROLS

## WALL SWITCH SENSORS

### PW, UW AND DW SERIES

#### DESCRIPTION

##### PW SERIES Passive Infrared

PIR technology senses occupancy by detecting the difference between heat emitted from the human body in motion and the background space.

##### UW SERIES Passive Ultrasonic

Ultrasonic detection works by transmitting ultrasonic sound waves throughout an area and measuring the speed at which they return. Occupant movement changes the frequency at which these sound waves return, resulting in a Doppler shift and occupancy detection.

##### DW SERIES Dual Technology (Infrared and Ultrasonic)

The Dual Technology combines the best of both PIR and ultrasonic technologies. While PIR and ultrasonic sensors provide optimal control for many spaces, some applications pose difficulty for single technology products. Dual Technology sensors ensure maximum sensitivity and coverage in tough applications for optimal reliability and energy savings.

#### FEATURES

- *Detection Signature Processing eliminates false triggers and provides immunity to RFI and EMI*
- *Zero-crossing technology relay\**
- *Vandal resistant lens*
- *Choice of auto-ON or manual-ON operation*
- *SmartSet automatically adjusts time delay and sensitivity setting from occupants patterns*
- *Selectable walk-through mode*
- *Selectable test mode*



PW-100  
PW-100-24



UW-100, UW-100-24  
DW-100, DW-100-24



PW-200



UW-200  
DW-200



- *Selectable audible and/or visual alerts*
- *LED occupancy indication*
- *Built-in light level sensing*
- *Override mode*

#### SPECIFICATIONS

<b>Supply Voltage</b>	18-24 VDC, 24 VAC 35 mA 120 VAC 50/60 Hz 0-800W ballast or tungsten 240/277 VAC 50/60 Hz 0-1200W ballast	<b>DW Coverage</b>	PIR major motion 35' x 30' PIR minor motion 20' x 15' Ultrasonic major motion 20' x 20' Ultrasonic minor motion 15' x 15'
<b>Time delays</b> <b>PW and UW</b>	SmartSet (automatic), fixed (5, 10, 15, 20, 25 or 30 minutes), walk-through, test mode	<b>Sensitivity adjustment</b> <b>PW</b>	PIR (high/low)
<b>DW</b>	SmartSet (automatic), fixed (5, 15 or 30 minutes), walk-through, test-mode	<b>UW</b>	Ultrasonic (fully variable)
<b>PW Coverage</b>	Major motion 35' x 30', minor motion 20' x 15'	<b>DW</b>	PIR (high/low), Ultrasonic (fully variable)
<b>UW Coverage</b>	Major motion 20' x 20' minor motion 15' x 15'	<b>Dimensions</b>	2.73"L x 1.76"W x 1.83"D (6.9 x 4.5 x 4.7 cm)
		<b>Agency approvals</b>	UL and cUL listed
		<b>Warranty</b>	5 years

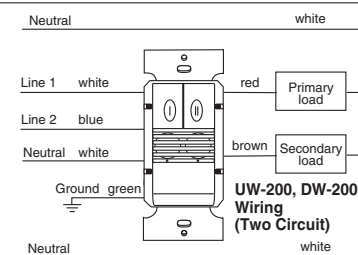
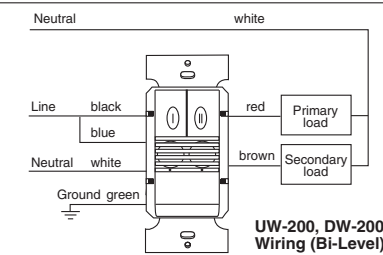
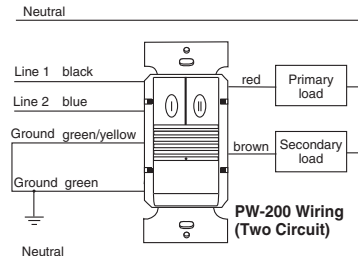
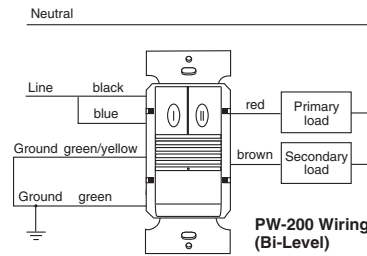
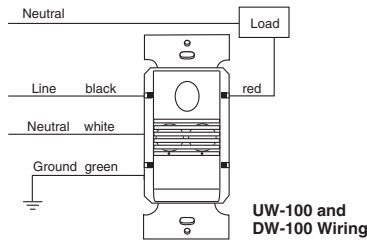
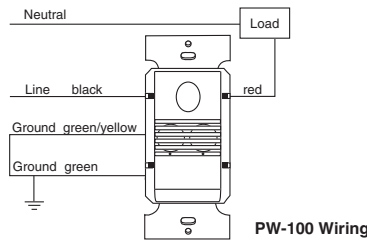
\* Zero crossing technology is a means of controlling a relay so that it turns on or off as the AC sine wave passes through 0 volts. This action softens the startup and shutdown of equipment, prolonging the equipment's life span.

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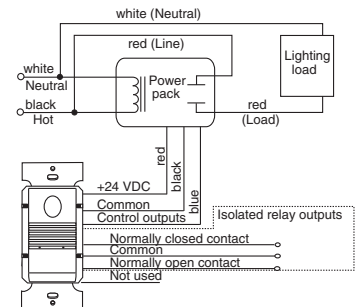
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### WIRING

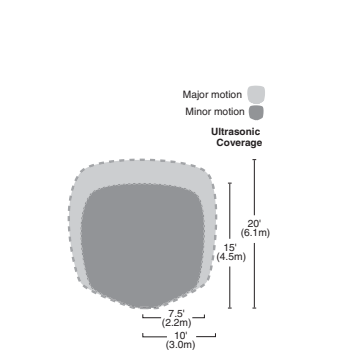


### 24V Wiring Only

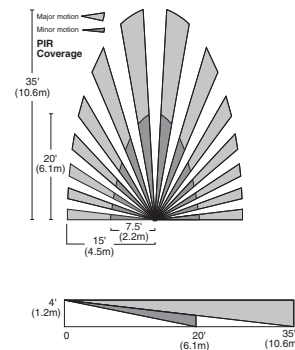


\*\*24 volt units available with one relay only

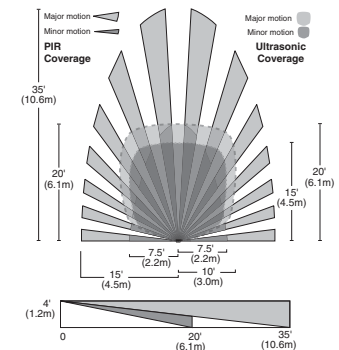
### COVERAGE



\* For best performance, Watt Stopper/Legrand recommends using this sensor in spaces no larger than 15' x 15'



\* For best performance, Watt Stopper/Legrand recommends using this sensor in spaces no larger than 15' x 12'



\* For best performance, Watt Stopper/Legrand recommends using this sensor in spaces no larger than 18' x 15'

### ORDERING INFORMATION

MODEL	DESCRIPTION
PW	Passive Infrared
UW	Passive Ultrasonic
DW	Dual Technology (Infrared and Ultrasonic)
POWER AND NUMBER OF RELAYS	
100	One relay 120/230/277 VAC power
100-24	One relay 24V power**
200	Two relays 120/230/277 VAC power
COLOR	
X	W = white, LA = light almond, G = grey, B = black

**UW** — **200** — **LA** Example: UW-200-LA = Passive ultrasonic, two relays, light almond

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