



Pass & Seymour

Commercial Occupancy Sensors Dual-Tech Wall Switch Sensors Passive Infrared, Ultrasonic & Dual Technology

WDT-100, WDT-200

A powerful “one-two” combination for optimum energy management

New Dual Technology Wall Switch Sensors give you the most sensitive and consistent way to manage lighting energy consumption.

They do it through dual technology design that combines both passive infrared (PIR) and ultrasonic technologies.

This combination gives you two ways to detect occupancy and turn lights on and off automatically. PIR technology detects the infrared energy from a human body in motion, and ultrasonic technology spreads coverage over a wider area and detects smaller movements to time the ON/OFF function more efficiently.

Dual Technology Wall Switch Sensors are ideal for a wide variety of commercial applications, from small offices and executive suites to conference rooms and break rooms.



WDT-100

WDT-200

FEATURES & BENEFITS

Sensitivity adjustment.

Choice of Auto-ON or manual-ON operation.

Self-adaptive technology for automatic intuitive energy savings.

High sensitivity and dense coverage for exceptional performance.

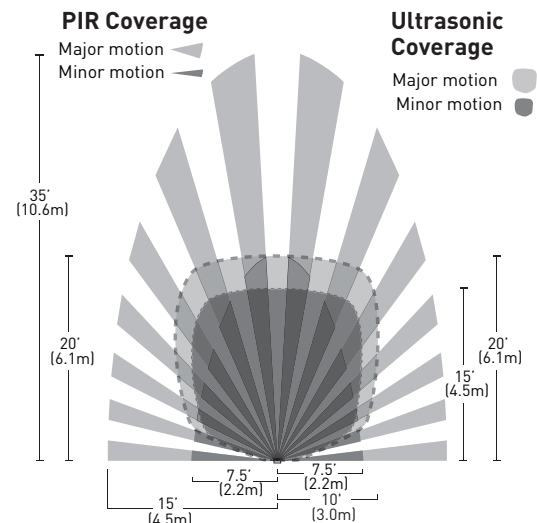
Color-matched lenses and low profile for appealing design.

Fast, easy installation/switch-out.

Zero crossing switching for long relay life.



WDT-100



FIELD USES / VERTICAL MARKETS

- Industrial
- Health Care
- Education
- Institutional
- Retail/Office
- Hospitality/Lodging

Commercial Occupancy Sensors

Dual-Tech Wall Switch Sensors

Passive Infrared, Ultrasonic & Dual Technology

ORDERING INFORMATION

Catalog Number	Description	Voltage	Load Rating	Coverage	Color
Dual Technology Wall Switch Sensors					
WDT-100W	Dual Technology Wall Switch Sensor	120/230/277 VAC 50/60 Hz	120 VAC, 0-800 ballast or tungsten, 1/6hp 230/277 VAC, 0-1200W ballast	1050 Sq. Ft.	White
WDT-100BK	Dual Technology Wall Switch Sensor	120/230/277 VAC 50/60 Hz	120 VAC, 0-800 ballast or tungsten, 1/6hp 230/277 VAC, 0-1200W ballast	1050 Sq. Ft.	Black
WDT-100G	Dual Technology Wall Switch Sensor	120/230/277 VAC 50/60 Hz	120 VAC, 0-800 ballast or tungsten, 1/6hp 230/277 VAC, 0-1200W ballast	1050 Sq. Ft.	Gray
WDT-100LA	Dual Technology Wall Switch Sensor	120/230/277 VAC 50/60 Hz	120 VAC, 0-800 ballast or tungsten, 1/6hp 230/277 VAC, 0-1200W ballast	1050 Sq. Ft.	Light Almond
WDT-100I	Dual Technology Wall Switch Sensor	120/230/277 VAC 50/60 Hz	120 VAC, 0-800 ballast or tungsten, 1/6hp 230/277 VAC, 0-1200W ballast	1050 Sq. Ft.	Ivory
WDT-200W	Dual Technology Wall Switch Sensor	120/230/277 VAC 50/60 Hz	120 VAC, 0-800 ballast or tungsten, 1/6hp 230/277 VAC, 0-1200W ballast	1050 Sq. Ft.	White
WDT-200BK	Dual Technology Wall Switch Sensor	120/230/277 VAC 50/60 Hz	120 VAC, 0-800 ballast or tungsten, 1/6hp 230/277 VAC, 0-1200W ballast	1050 Sq. Ft.	Black
WDT-200G	Dual Technology Wall Switch Sensor	120/230/277 VAC 50/60 Hz	120 VAC, 0-800 ballast or tungsten, 1/6hp 230/277 VAC, 0-1200W ballast	1050 Sq. Ft.	Gray
WDT-200LA	Dual Technology Wall Switch Sensor	120/230/277 VAC 50/60 Hz	120 VAC, 0-800 ballast or tungsten, 1/6hp 230/277 VAC, 0-1200W ballast	1050 Sq. Ft.	Light Almond
WDT-200I	Dual Technology Wall Switch Sensor	120/230/277 VAC 50/60 Hz	120 VAC, 0-800 ballast or tungsten, 1/6hp 230/277 VAC, 0-1200W ballast	1050 Sq. Ft.	Ivory

For more information on these and other P&S products refer to our Catalog or visit our web site.

Commercial Occupancy Sensors Dual-Tech Wall Switch Sensors

Passive Infrared, Ultrasonic & Dual Technology



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TECHNICAL SPECIFICATIONS

3rd Party Compliance

cULus Listed, UL508 and C22.2 No. 14. Conforms to NEMA WD-1 and WD-6, California Title 24 Compliant.



Performance

Electrical

Supply Voltage	120/230/277 VAC
Maximum Supply Voltage	277 VA
Frequency	50-60 Hz

Sensor

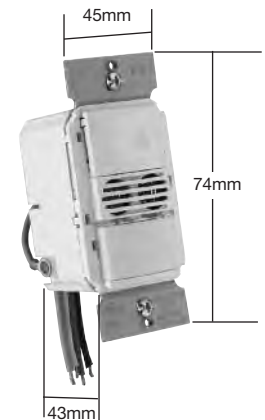
Size	43mm x 74mm x 45mm
Technology	Passive Infrared & Ultrasonic
PIR Adjustment	Two Settings – Maximum (100%) and Minimum (50%)
Ultrasonic Adjustment	Ultrasonic sensitivity can be adjusted using a trimpot. Output frequency of transmitter is fixed at 40kHz
Time Delay	Adjustable 5 min. to 30 min.
Light Level Adjustment	Yes, 8fc to 180+fc
Spectral Response	6 to 14 Pm
Field of View	88°; 110° Vertical, 360° Horizontal
Frequency	50-60 Hz
Coverage	1050 square feet, 180°
Indicator Light(s)	Red & Green LEDs
Lens Type	Two horizontal layers
Sensor Type	Multi-directional transmitter/receiver with quartz oscillator
Alerts	Selectable, Audible

Environment

Temperature Range	WDT-100, WDT-200 (0°C to 55°C)
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Mechanical

Enclosure Material	ABS KJW Flame retardant Cicolac, 940-0 or equivalent RoHS compliant
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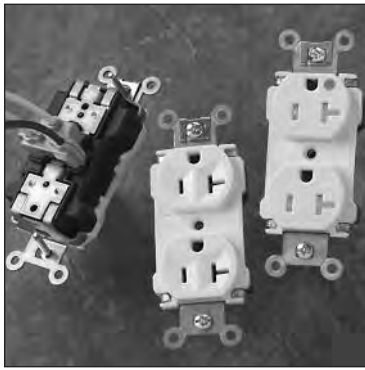


WDT100, WDT200

Warranty

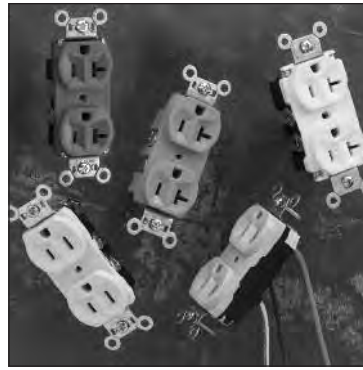
5 Years

COMPLEMENTARY DEVICES & ACCESSORIES



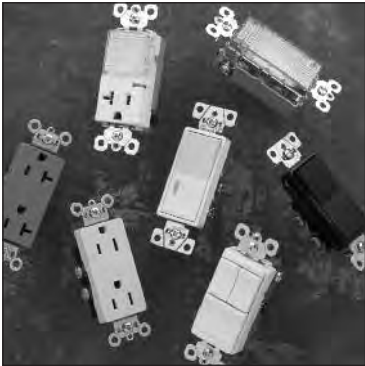
PLUGTAIL™ DEVICES

- Extra Heavy-Duty Spec Grade
- Extra Heavy-Duty Hospital Grade
- Extra Heavy-Duty Tamper-Resistant



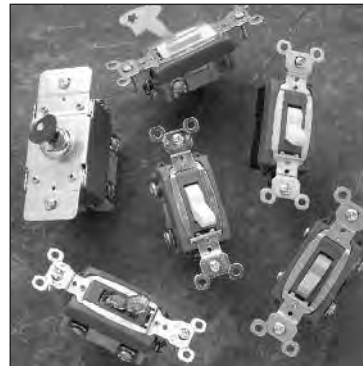
STRAIGHT BLADE RECEPTACLES

- Extra Heavy-Duty
- Heavy-Duty
- Hard Use
- Construction Grade
- Construction Grade Leaded
- Commercial Grade



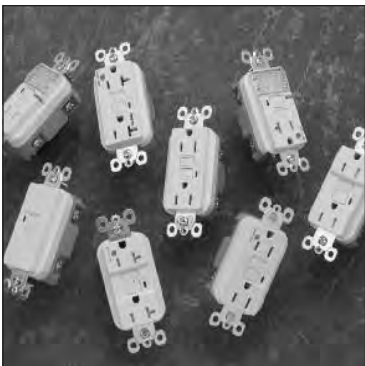
DECORATOR DEVICES

- Construction Grade Switches
- Specification Grade Combo Switches
- Construction Grade Receptacles
- Commercial Grade Receptacles
- Specification Grade Hallway Lights



SWITCHES

- Heavy-Duty Toggle
- Heavy-Duty Lighted Toggle
- Heavy-Duty Security
- Heavy-Duty Locking
- Construction Grade Toggle
- Commercial Grade Toggle



GFCIs

- Specification Grade



WALL PLATES

- TradeMaster® Thermoplastic Nylon
- Screwless Polycarbonate
- Stainless Steel
- Brass
- Aluminum
- Dustproof Stainless Steel Covers

ALSO AVAILABLE...

- | | | | |
|--------------------------------------|-------------------------------------|-------------------------------|----------------------------|
| ■ Hospital Grade Devices | ■ Straight Blade Plugs & Connectors | ■ Weatherproof Boxes & Covers | ■ Flexcor® Wire Mesh Grips |
| ■ TVSS & Isolated Ground Devices | ■ Turnlok® Locking Devices | ■ IEC 309 Industrial Products | ■ Bulk Solutions |
| ■ Ground Continuity Monitoring (GCM) | | | |



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