

OVERVIEW

Classrooms are the ideal application for the **WV PDT 16** Dual Technology Wide View Sensor. Installed in the corner of the room along the entrance wall, this inconspicuous sensor provides line of sight PIR detection of small movements up to 40 ft (12.19 m) away, and combines overlapping Microphonics™ for detection around obstructions. Many classrooms are filled with shelving, projects, or lab benches. Total coverage of the room is always maintained no matter how cluttered the space becomes. The **WV PDT 16** is also used in corridors due to its ability to view up to 70 ft (21.34 m) for walking motions, or large open storage areas where obstructions may block the PIR's ability to view. For large lecture halls, multiple **WV PDT 16**s may be wired together, or along with any other low voltage sensors.

FEATURES

- 100% Digital PIR Detection, Excellent RF Immunity
- 120° by 40 ft (12.19 m) Coverage for Small Motion
- Patented Dual Technology with PIR / Microphonics Detection
- Adjustable Time Delay
- Push-Button Programmable
- Convenient Test Mode
- No Field Calibration or Sensitivity Adjustments Required
- 100 hr Lamp Burn-in Timer

SPECIFICATIONS

Size: 3.0" H x 3.6" W x 1.75" D (7.62 cm x 9.14 cm x 4.45 cm)
 Weight: 5 oz
 Mounting: Directly to corner or to ceiling using **WV BR** bracket
 Color: White
 Operating Voltage: 12-24 VAC/VDC
 Current Draw: Standard, 4 mA
 w/ **R** option, 16 mA
 Rcmd Power Pack: **PP20**
 Relative Humidity: 20-90% non-condensing
 Ambient temperature: 14-160° F (-10-71° C)
 ROHS Compliant, Title 24 Component

Warranty

Five-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.



Sensor Switch™

WV PDT 16
 Wide View Sensor



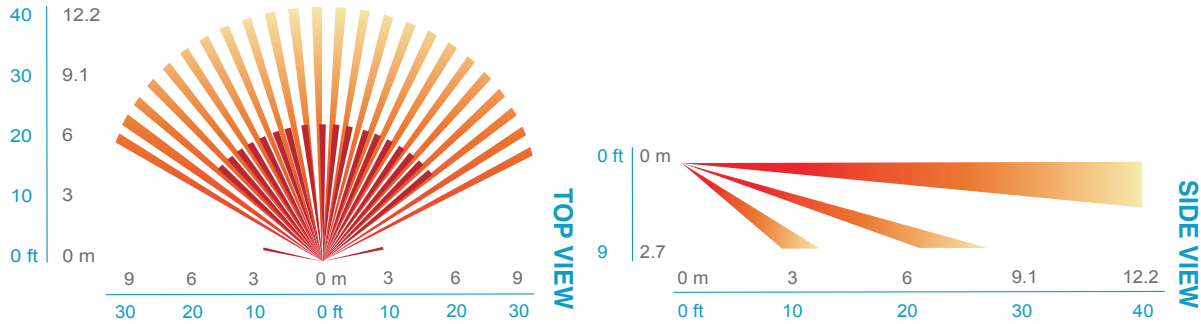
ORDERING INFORMATION

WV PDT 16		Example: WV PDT 16 R LT KIT		
Series	Relay	Photocell	Temp / Humidity	Bracket Kit
WV PDT 16 Wide View Sensor	[blank] None R Low Voltage Relay	[blank] None P Photocell	[blank] Standard LT Low Temp	[blank] Sensor Only KIT Sensor & WV BR Bracket

COVERAGE PATTERN

16 WIDE VIEW LENS

- Small motion (e.g. hand movements) detection up to 40 ft (12.19 m).
- Large motion (e.g. walking) detection up to 70 ft (21.34 m).
- Designed for 8 to 10 ft (2.44 to 3.05 m) high mounting in room corner



WIRING (DO NOT WIRE HOT)

STANDARD WIRING

RED - Power Input (12-24 VAC/ VDC)

BLACK - Common

WHITE - Occupancy State (high VDC for occupied)

PHOTOCELL/DIMMING OPTIONS (P)

BLUE - Direct output to power pack for providing photocell control. Output is high VDC with occupancy & low light. For multi-level control, use two power packs and connect White wire to primary load and Blue to daylight load.

RELAY OPTION (R)

GRAY / BROWN - Connected during occupied state

VIOLET / BROWN - Connected during unoccupied state

Note: Relay is energized during unoccupied state

