

OVERVIEW

The **WV 16** Series Wide View occupancy sensor is designed to mount in a corner and detect small motions up to 40 ft (12.19 m) away, and larger motions up to 70 ft (21.34 m) away. This makes it ideal for 30 ft x 30 ft (9.14 m x 9.14 m) classrooms or corridors up to 70 ft (21.34 m) long (for specific long narrow hallway applications, see **HW13** product data sheet). The enclosure's convenient tilting feature enables the sensor to be mounted at any height from 8 to 10 ft (2.44 to 3.05 m). When corner or wall mounting is not possible, the **WV BR** bracket accessory can be used to mount the **WV 16** to the ceiling. Additionally, the **WV 16** may be used in combination with other sensors to customize coverage for very large or irregularly shaped spaces. For rooms with obstructions, use the **WV PDT 16** Series sensor which adds Microphonics™ detection.

FEATURES

- 100% Digital PIR Detection, Excellent RF Immunity
- 120° by 40 ft (12.19 m) Coverage for Small Motion
- 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
ROHS compliant	

AcuityControls™

Sensor Switch™

WV 16
Wide View Sensor



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.



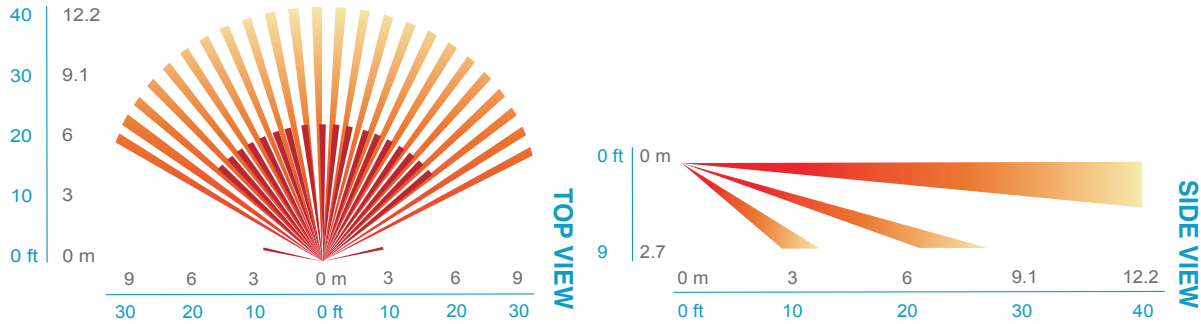
ORDERING INFORMATION

WV 16		Example: WV 16 R LT KIT		
Series	Relay	Photocell	Temp / Humidity	Bracket Kit
WV 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

