DESCRIPTION

The **Sensor Switch WSD Series** is a stylish, easy to install, and simple to use wall switch decorator style passive infrared (PIR) sensor. For rooms with obstructions, the dual technology **WSD PDT** Series sensor that monitors sound and PIR is recommended. The **WSD** family sensors have a patent-pending wiring method that enables them to function either with or without a neutral connection.
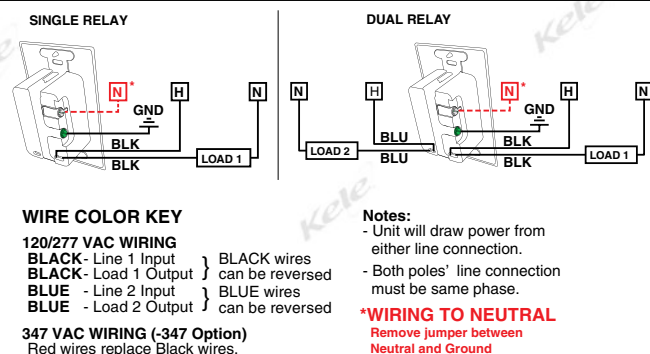
WSD   **WSD-2P**

FEATURES

- *100% digital Passive Infrared (PIR) detection*
- *Passive dual technology (PDT) with PIR & Microphonics sound detection (patented)*
- *Occupied mode (On/Off with motion)*
- *Vacancy (Manual On, Off no motion)*
- *Device accommodates powering over ground or neutral connections*
- *Compatible w/ LEDs, electronic & magnetic ballasts, CFLs, & incandescents*
- *Integrated minimum on time disabled by default*
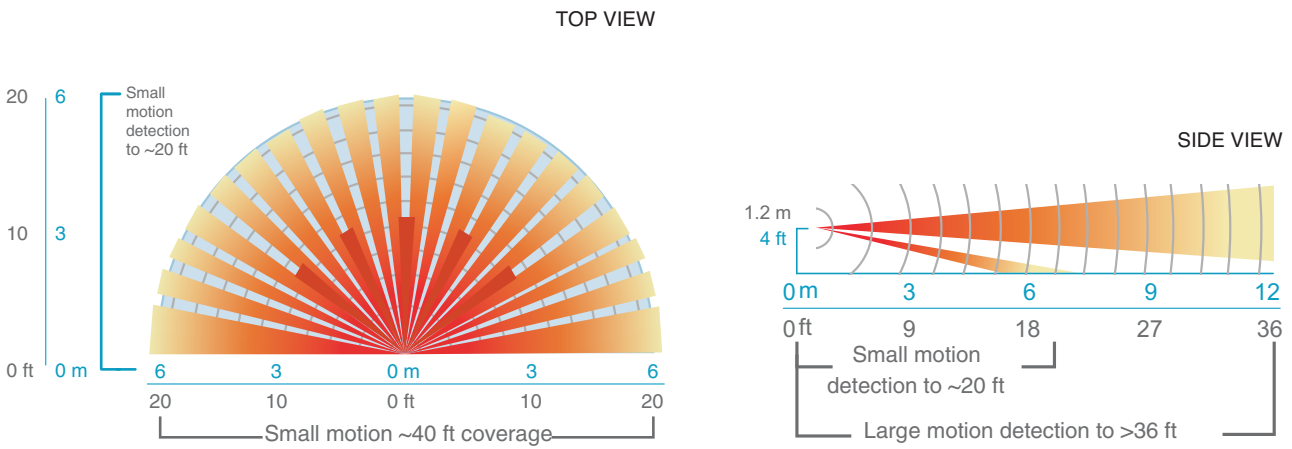- *Includes matching wall plate*

WIRING

WIRE COLOR KEY

120/277 VAC WIRING
BLACK	- Line 1 Input	BLACK wires
BLACK	- Load 1 Output	can be reversed
BLUE	- Line 2 Input	BLUE wires
BLUE	- Load 2 Output	can be reversed

347 VAC WIRING (-347 Option)
Red wires replace Black wires.

Notes:
- Unit will draw power from either line connection.
- Both poles' line connection must be same phase.

***WIRING TO NEUTRAL**
Remove jumper between Neutral and Ground

SPECIFICATIONS

Supply Voltage	120/277 VAC @ 800/1200 W, 50/60 Hz
Relay Output	Contact, SPST or (-2P) two SPST 120/277VAC @800/1200 W, 1/4 HP
Technology	Single or Dual technology sensors
WSD	Infra-Red (IR) w/ Fresnel lens
WSD-PDT	Infra-Red (IR) w/ Fresnel lens and Sonic Microphone
Operational Modes	Occupied-Auto ON or Vacancy-Man ON, w/Time Delay OFF
-SA	Occupied or Vacancy modes
-VA	Vacancy mode only. w/Time delay OFF
Motion Activation	Motion resets adjustable OFF time delay
Special Features	347 VAC versions available
Lights Out Alert	None
Coverage Pattern	180° half circle - 20' wide and 36' out from sensor center
Sensitivity	No Motion adjustment,
-SA	Light sensor Set Point Adjust

Permanent Override ON or OFF	None
-VA	Manual switch ON w/ Delay OFF (Vacancy)
-SA	Manual or Auto switch ON w/ Delay OFF
-SA	8 Light sensor settings from 0.5 FC to 64 FC or Disable
OFF Delay Time (TD)	5 settings from 0 to 60 minutes
Indication	Green LED ON motion w/ enable/disable
Mounting	Single gang box, Height 30-48 inches
Color	White, Ivory, Almond, Grey or Black
Operating Temperature	14° to 122°F (-10° to 50°C), Opt. (-LT) -4° (-20°C)
Operating Humidity	20-75% non-condsensing, Opt. (-LT) 20-90%
Wiring	3 or 5 wire Pig tails (see wiring)
Enclosure Rating	Indoor, No rating
Dimensions	1.68"W x 2.74"H x 1.63"D (4.27 x 6.96 x 4.14 cm)
Weight	0.32 lb (0.15 Kg)
Approvals	UL File #E253721, RoHS
Warranty	5 year limited

COVERAGE PATTERN

TOP VIEW

Small motion detection to ~20 ft

Small motion ~40 ft coverage

SIDE VIEW

1.2 m
4 ft

Small motion detection to ~20 ft

Large motion detection to >36 ft

ORDERING INFORMATION

MODEL	DESCRIPTION
WSD	Decorator Style wall switch with passive infrared (PIR) sensor
WSD-2P	Decorator Style wall switch with passive infrared (PIR) sensor, dual relay
WSD-PDT	Decorator Style wall switch with dual technology sensors (PIR and Microphonics)
WSD-PDT-2P	Decorator Style wall switch with dual technology sensors (PIR and Microphonics), dual relay

OPERATING MODES (reprogrammable via push-button except for VA version models)

(blank)	Occupancy mode Auto On (default) or vacancy for WSD and WSD-PDT models; Pole 1- Auto on, Pole 2- Vacancy (default) for WSD-2P and WSD-PDT-2P models
SA	Vacancy mode (manual on, default) or Auto On for WSD and WSD-PDT models
VA	Vacancy mode (manual on) only for WSD and WSD-PDT models
2SA	Both poles vacancy (default), for WSD-2P and WSD-PDT-2P models

COLOR FINISH with PLATE

AL	Light Almond
BK	Black
GY	Gray
IV	Ivory
WH	White

WSD-PDT - SA - GY

Example: **WSD-PDT-SA-GY**
Wall Switch Sensor, PDT, Semi-Auto, Gray

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LIGHTING CONTROLS