

IR VS 1

Passive Infrared Wall Switch Vacancy Sensor



The IR VS 1 is a line voltage, single relay, Passive Infrared (PIR) wall switch vacancy (manual ON) sensor intended to control lighting in commercial spaces. PIR is used where the sensor will have a clear view of the occupants in the desired coverage area. The convenient “Switch Link” feature enables up to four sensors to link together for peer to peer grouping achieving expanded detection zones and multiway switching.

Applications

The typical application is for small office, conference, storage closet and break rooms where vacancy control (manual ON only) is desired. For best performance use this sensor in enclosed spaces no larger than 18' x 15'.

Key Features:

- PIR (passive infrared) wall switch vacancy sensor
- Line voltage lighting control (120/230/277 VAC, 50/60 Hz)
- 180° coverage pattern
- Manual ON automatic OFF
- Mounts to a single-gang NEMA-style, standard switch box & decorator-style wall plate by others
- “Switch Link” communication allows for up to 4 sensors to be grouped together
- IQ Mode dynamically adjusts the ‘ON’ time delay by learning individual room occupancy
- Walk through mode option will switch the load OFF in 3 minutes if no additional detection occurs after the first 30 seconds
- Audible alert feature provides an audible warning that the load will shut-OFF in 10 seconds unless additional motion is detected
- Visible alert feature provides a momentary OFF/ON blink, warning that the load will shut OFF in 10 seconds unless additional motion is detected
- Service mode option deactivates the automated functions of the sensor and the load is only manually controlled using the ON/OFF button
- Re-trigger feature allows the load to turn back ON automatically if motion is detected within 30 seconds after it has automatically switched OFF the load

Project Name:

Location:

66102



66112



54743



54744



IR VS 1 Specifications

Item No.	66102 IR VS 1-W (white) 66112 IR VS 1-LA (light almond) 54743 IR VS 1-BK (black) 54744 IR VS 1-GY (gray)
Voltage	120/230/277 VAC, 50/60 Hz
Mounting	single-gang NEMA-style switch box (standard switch box) & decorator-style wall plate by others
Load Rating	0-800 watts @ 120/230/277 VAC, 50/60 Hz tungsten, magnetic or electronic ballast • 1/6 hp 0-600 watts @ 120/230/277 VAC, 50/60 Hz CFL or LED electronic ballasts C ≤ 132 µF max.
Sensing Technology	passive infrared (PIR)
Time Setting	IQ/Test, 5, 15, 30 minutes
Environment	IP20 rated, 0°C to +40°C, 32°F to +104°F
PIR Coverage at 1.2 m / 4 ft Mounting Height	minor motion: max. 6.5 x 5.5 m (36 sq.m.) max. 21 x 18 ft (378 sq.ft.) radially: max. 7 m (77 sq.m.) 24 ft (904 sq.ft.) tangentially: max. 20 m (628 sq.m.) 54 ft (4,500 sq.ft.)
Dimensions	105 x 44.1 x 45.1 mm, 4.13 x 1.74 x 1.78 in, (LxWxD)
Warranty	5 years
Certifications	C-UL-US Listed, RoHS compliant, California Compliant

PIR

Passive Infrared



21 Ft Minor Motion
54 Ft Tangential

**Vacancy
Sensor**

Manual ON Only

**120 / 230 /
277 V**

Line Voltage



IQ/Test, 5, 15, 30 Min



www.steinell.net

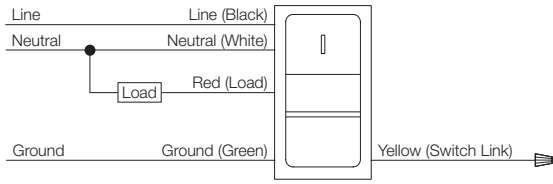
IR VS 1

Passive Infrared Wall Switch Vacancy Sensor

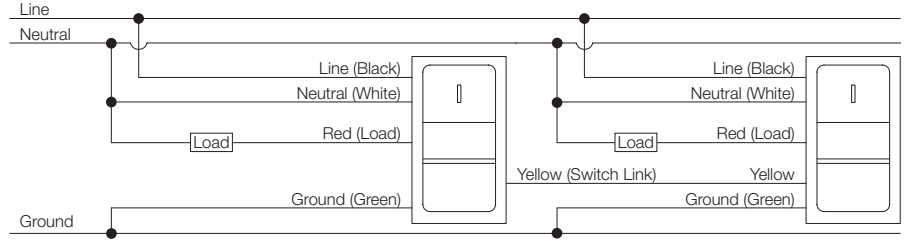


Wiring

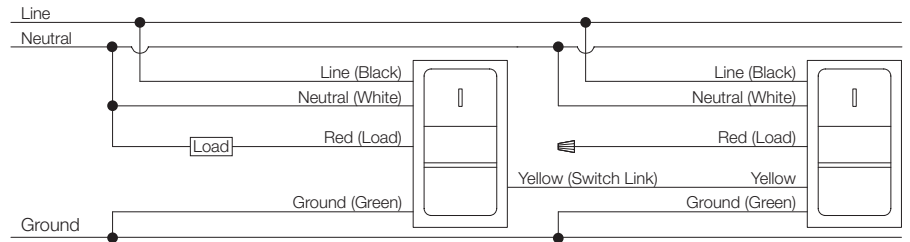
VS 1 Basic Wiring



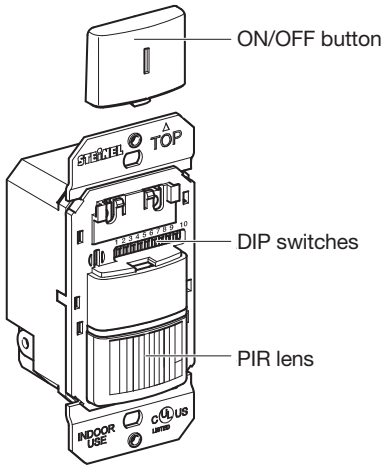
VS 1 (Master / Master) Three-way Wiring - up to maximum 4 sensors can be grouped via "Switch Link"



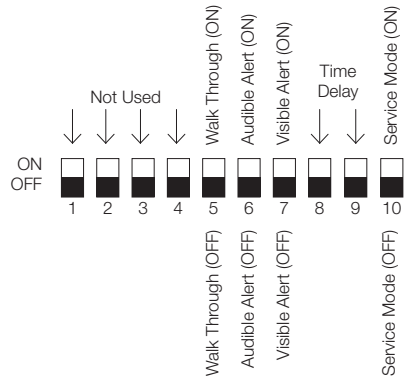
VS 1 (Master / Auxiliary) Three-way Wiring - up to maximum 4 sensors can be grouped via "Switch Link"



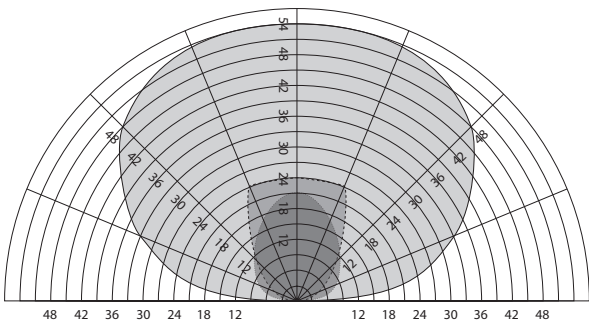
Components



Settings



Coverage



— PIR Tangential Coverage
 PIR Radial Coverage
 - - - - PIR Minor Motion Coverage

Time Delay	8	9
IQ / Test	OFF	OFF
5 Minutes	OFF	ON
15 Minutes	ON	OFF
30 Minutes	ON	ON