

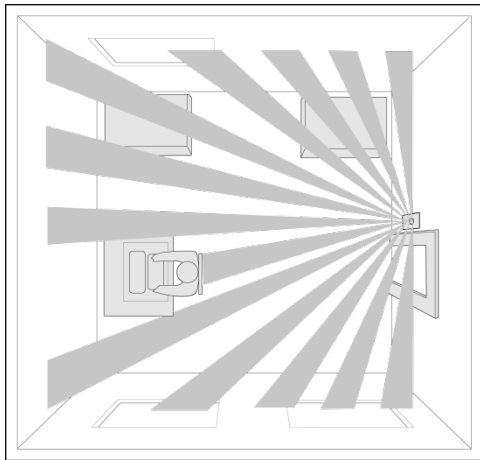


## INSTALLATION

- Mount the WOS Series sensor on the wall about 4' above floor level near the midline of the room so its PIR detection zones cover the room area and any obstructions are within range of the ADI-Voice detector.
- There should be no obstructions between the sensor and the room entrance. This ensures that the sensor's PIR lens will be activated when a person enters the room, which will subsequently trigger the ADI-Voice.

### Installing in Offices

- Sensor effective in obstructed spaces.
- ADI-Voice re-activation and Smart Sense prevents lights out condition.

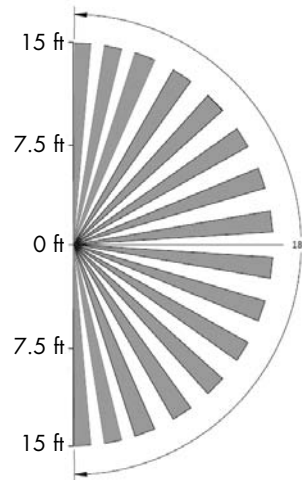


Typical Office

### Standard Lens

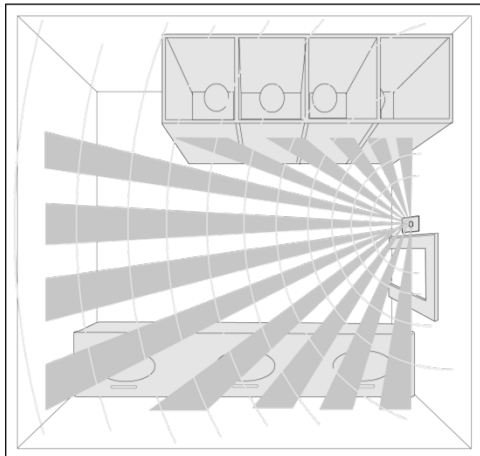
- Optimal usage is to detect small motions such as hand movements
- Designed for a mounting height of up to 4ft
- ADI-Voice can detect around corners that PIR cannot to maintain occupancy.

### Top View



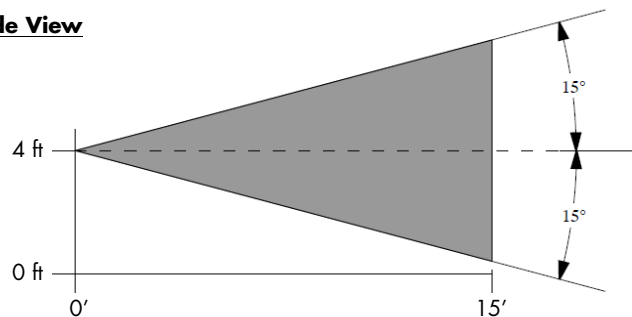
### Installing in Washrooms

- Sensor effective in partitioned spaces.
- ADI-Voice re-activation and Smart Sense prevents lights out condition.



Typical Washroom

### Side View



## Wiring Instructions

The WOS Series Low Voltage sensors are equipped with #18 AWG leads. Use appropriate sized wire-nuts to connect the wires to the incoming load terminations.

## Sensor Settings

### Programming - IR / Manual Setting

Programming can be done with the WIR-3110 setting unit. For more details and additional options please see the "IR Setting Unit Manual"

### Detection (Dual or PIR Only)

When in operation, the sensor will detect initial motion using Passive Infrared; once motion is detected the ADI-Voice is then activated to work alongside the PIR to maintain occupancy. The ADI-Voice can be disabled on any dual tech sensors.

### Automatic Timeout

By setting the timeout dial to maximum, the sensor will be put into automatic mode which will adjust the time out automatically to maximize energy savings and occupant comfort.

### Smart Sensing

When vacancy occurs, sensitivity of the ADI-Voice technology transitions from maximum to zero over an adaptively determined time period, based on occupancy tendencies. During this period, ADI-Voice can turn the lights back on immediately, even with no line-of-sight to the sensor, assuring the best combination of user convenience and energy savings.

Energy consumption due to false triggers is minimized by the automatic walk-through mode. This feature turns the lights off after 3 minutes if no occupancy detection occurs in the first 30 seconds after initial turn on.

### Vacancy Mode

The low voltage sensor can be selected as a vacancy (Off only) sensor. This provides additional energy savings by forcing the user to turn the lights on manually. The low voltage sensor has a built-in override input; allowing for the sensor to be operated as a vacancy sensor. For two pole sensors, it provides multi-level control capability.

### Photo Sensing (-P)

When enabled, occupancy alone will not trigger the output state to on. If occupancy is detected AND there is a deficiency of natural light, the output is triggered on. An increase in natural light will not force the lights off but as the ambient light level drops the lights will turn on automatically. This feature will also limit the manual switching, ensuring the lights are not turned on if adequate light is present.

## Profile

The Dialog sensor exists as three profiles in the system: a Switch, a Photocell, and an Occupancy Sensor. Each profile element can control separate control targets.

## Summary of Configuration Options

Each building is unique in its lighting needs. Diversa sensors provide the user with a wide variety of configuration options to ensure each building's individual needs are met.

- Timeout 30 sec - 30 min or self adapting
- Adjustable PIR Sensitivity
- Adjustable Detect Intelligence Voice (ADI-Voice) Sensitivity
- Enable/Disable ADI-Voice
- Enable/Disable LED Indicators
- Enable/Disable Walk Through Mode
- Set parameters for light level setting upon occupancy detection

\* Application and Performance Specification Information Subject to Change without Notification