

## OCCUPANCY SENSORS SELECTION GUIDE



Occupancy sensors can automatically turn lights on when you enter a room and off when unoccupied. Ideal for intermittently occupied spaces in commercial, industrial and office applications. Motion sensors are maintenance free, conserve energy and save money when illumination isn't necessary.

When choosing a sensor, the following criteria needs to be taken into consideration: ceiling heights, dry/wet location, temperature, applications and other additional options.



### PIR TECHNOLOGY

PIR sensors detect the heat emitted by humans in motion when entering a space. These sensors cannot see through or around obstacles and have limited sensitivity to minor movements.

A type of occupancy sensor that uses thermal detectors to absorb the received energy focused on them. When a person moves into or out of a field of view, the detector experiences a change in received energy, which is converted into an electrical signal. The detector aperture is converted optically, by a multi-segmented, Fresnel lens array into multiple discrete fields of view that are strategically located throughout the occupancy sensor pattern. PIR sensors detect body heat if the ambient environment of the sensing area is near the temperature of the human body, so they are less likely to perform at their peak.

#### Pros

- Consume less energy than other types of sensors
- There is no electromagnetic interference (RFI/EMI)

#### Cons

- Detection can be fooled by someone moving very fast or very slowly.
- They are not ideal in harsh environments where heat cycles are not regular.
- They are vulnerable in areas where there is smoke and/or dust.
- They are often integrated outside a lighting fixture.



### HIGH FREQUENCY TECHNOLOGY

High frequency sensors use a Doppler Effect to detect minor movements. These sensors emit pulses of specific microwave frequencies that go through most building materials, but not through metal.

A type of sensor that emits a low power microwave into the area being monitored. Changes in the reflection pattern caused by motion are received by the sensor and converted into an electrical signal. These sensors cover a larger area than infrared sensors. Microwave sensors use a Doppler Effect to detect motion even when completely concealed behind non-metallic materials without interference from temperature.

#### Pros

- There are no line of sight issues; they can detect movement around the corner through most building materials.
- They are often integrated within a lighting fixture.
- They can be selected in harsh environment applications where heat cycles are not regular.

#### Cons

- They can trigger a false alarm caused by slight vibrations.
- They cannot detect movement through metal or thicker brick walls.

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PRESET OPTIONS		ALL FEATURES AVAILABLE	
SENSOR OPTION	FEATURES		
<b>VP2, VP4, VWP4, VWP8</b>			
<b>OSE-PO-0301</b>	ON/OFF Detection Area: 100% Hold time: 20 min	External PIR - ON/OFF, 120-347 V, 20-40' ceiling heights, -10°C to 70°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0501</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux Remote capabilities	External PIR - ON/OFF, Hold-Off daylight level, 120-347 V, 15-40' ceiling heights, 0°C to 70°C, Dry location	Detection Area: 100% Hold Time: 5 min/10 min/15 min/20 min/30 min Remote Control: 1 min to 30 min Daylight min level: 10 lux to 3000 lux Remote Control: 10 lux to 3000 lux, disable
<b>OSE-PO-0502</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux No remote capabilities	Remote OSI-FSIR-100 to be ordered separately	
<b>OSE-PO-0701</b>	ON/OFF Detection Area: 100% Hold Time: 15 min	External PIR - ON/OFF, 120-277 V, 20' ceiling heights, -40°C to 70°C, Wet location and cold location	Detection Area: 100% Hold Time: 15 sec to 30 min
<b>OSE-PO-0801</b>	ON/OFF Detection Area: 100% Hold Time: 15 min	External PIR - ON/OFF, 347 V, 20' ceiling heights, -40°C to 70°C, Wet location and cold location	Detection Area: 100% Hold Time: 15 sec to 30 min
<b>VWP4-L, VWP8-L</b>			
<b>OSE-PO-0301</b>	ON/OFF Detection Area: 100% Hold time: 20 min	External PIR - ON/OFF 120-347 V, 20-40' ceiling heights, -10°C to 70°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0501</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux Remote capabilities	External PIR - ON/OFF, Hold-Off daylight level, 120-347 V, 15-40' ceiling heights, 0°C to 70°C, Dry location	Detection Area: 100% Hold Time: 5 min/10 min/15 min/20 min/30 min Remote Control: 1 min to 30 min Daylight min level: 10 lux to 3000 lux Remote Control: 10 lux to 3000 lux, disable
<b>OSE-PO-0502</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux No remote capabilities	Remote OSI-FSIR-100 to be ordered separately	
<b>OSE-PO-0701</b>	ON/OFF Detection Area: 100% Hold Time: 15 min	External PIR - ON/OFF, 120-277 V, 20' ceiling heights, -40°C to 70°C, Wet location and cold location	Detection Area: 100% Hold Time: 15 sec to 30 min
<b>OSE-PO-0801</b>	ON/OFF Detection Area: 100% Hold Time: 15 min	External PIR - ON/OFF, 347 V, 20' ceiling heights, -40°C to 70°C, Wet location and cold location	Detection Area: 100% Hold Time: 15 sec to 30 min
<b>OSE-PB-0202</b>	Bi-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities	External PIR - Bi-Level, Hold-Off daylight level, 120-347 V, 20' ceiling heights, -40°C to 75°C, Wet location and cold location  Remote OSI-FSIR-100 to be ordered separately	Remote control required for other features
<b>OSI-F0-0301</b>	ON/OFF Detection Area: 100% Hold Time: 20 min Daylight min level: Disable	Internal High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level, 120-277 V, Max 32' ceiling heights, -25°C to 60°C, Dry and cold location	Detection Area: 25%/50%/75%/100% Hold Time: 5s/30s/90s/3 min/20 min/∞ Stand-by Dim Level: 10%/20%/30%/50% Stand-by Period: 0s/5s/5 min/10 min/30 min/1h/∞ Daylight min level: 5 lux/15 lux/30 lux/50 lux/100lu/150 lux/Disable
<b>OSI-FB-0301</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Daylight min level: Disable		
<b>OSI-FB-0302</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 10% Daylight min level: Disable		
<b>OSI-FB-0303</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 50% Daylight min level: Disable		
<b>OSI-FT-0301</b>	Tri-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: Disable		

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PRESET OPTIONS		ALL FEATURES AVAILABLE	
SENSOR OPTION	FEATURES		
<b>VWP4-L, VWP8-L (CONT'D)</b>			
<b>OSE-FB-0402</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Daylight min level: 50 lux Remote capabilities	External High Frequency - Bi-Level, Tri-Level, Hold-Off daylight level 120-347 V, Max 50' ceiling heights, -35°C to 55°C, Wet and cold location  Remote OSI-RC-MH02 to be ordered separately	Detection Area: 50%/100% Remote Control: 50%/100% Hold Time: 5s/30s/1 min/3 min/20 min/30 min Remote Control: 5s/30s/1 min/3 min/5 min/10 min/ 20 min/30 min Stand-by Dim Level: 10%/20%/30%/50% Remote Control: 10%/20%/30%/50% Stand-by Period: 0s/1 min/3 min/10 min/30 min/Disable Remote Control: 0s/10s/1 min/3 min/5 min/10 min/ 30 min/Disable Daylight min level: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/Disable Remote Control: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/Disable
<b>OSE-FT-0402</b>	Tri-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: 50 lux Remote capabilities		
<b>OSI-FO-0601</b>	ON/OFF Detection Area: 100% Hold Time: 30 min Daylight min level: Disable Remote capabilities	Internal High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level 120-347 V, Max 25' ceiling heights, -35°C to 70°C, Dry and cold location  Remote OSI-RC-MH02 to be ordered separately	Detection Area: 25%/50%/75%/100% Remote Control: 25%/50%/75%/100% Hold Time: 8s/30s/1 min/5 min/10 min/15 min/ 30 min Remote Control: 8s/1 min/5 min/15 min/30 min Stand-by Dim Level: 10%/20%/30%/40% Remote Control: 10%/20%/30%/40%/ 50% Stand-by Period: 0s/1 min/3 min/5 min/10 min/ 30 min/∞ Remote Control: 0s/1 min/5 min/30 min/∞ Daylight min level: 5 lux/15 lux/30 lux/50 lux/100lux/150 lux/Disable Remote Control: 5 lux/15 lux/50 lux/150 lux/ Disable
<b>OSI-FO-0602</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: Disable Remote capabilities		
<b>OSI-FO-0603</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 100 lux Remote capabilities		
<b>OSI-FB-0603</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0604</b>	Bi-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0605</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 30% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0606</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 10% Daylight min level: Disable Remote capabilities		
<b>OSI-FT-0601</b>	Tri-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: Disable Remote capabilities		
<b>VP2-L</b>			
<b>OSE-PO-0301</b>	ON/OFF Detection Area: 100% Hold time: 20 min	External PIR - ON/OFF 120-347 V, 20-40' ceiling heights, -10°C to 70°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0501</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux Remote capabilities	External PIR - ON/OFF, Hold-Off daylight level, 120-347 V, 15-40' ceiling heights, 0°C to 70°C, Dry location  Remote OSI-FSIR-100 to be ordered separately	Detection Area: 100% Hold Time: 5 min/10 min/15 min/20 min/30 min Remote Control: 1 min to 30 min Daylight min level: 10 lux to 3000 lux Remote Control: 10 lux to 3000 lux, disable
<b>OSE-PO-0502</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux No remote capabilities		
<b>OSE-PO-0701</b>	ON/OFF Detection Area: 100% Hold Time: 15 min	External PIR - ON/OFF, 120-277 V, 20' ceiling heights, -40°C to 70°C, Wet location and cold location	Detection Area: 100% Hold Time: 15 sec to 30 min
<b>OSE-PO-0801</b>	ON/OFF Detection Area: 100% Hold Time: 15 min	External PIR - ON/OFF, 347 V, 20' ceiling heights, -40°C to 70°C, Wet location and cold location	Detection Area: 100% Hold Time: 15 sec to 30 min

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PRESET OPTIONS		ALL FEATURES AVAILABLE	
SENSOR OPTION	FEATURES		
<b>VP2-L [CONT'D]</b>			
<b>OSI-FD-0301</b>	ON/OFF Detection Area: 100% Hold Time: 20 min Daylight min level: Disable	Internal High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level, 120-277 V, Max 32' ceiling heights, -25°C to 60°C, Dry and cold location	Detection Area: 25%/50%/75%/100% Hold Time: 5s/30s/90s/3 min/20 min/∞ Stand-by Dim Level: 10%/20%/30%/50% Stand-by Period: 0s/5s/5 min/10 min/30 min/1h/∞ Daylight min level: 5 lux/15 lux/30 lux/50 lux/100lu/150 lux/Disable
<b>OSI-FB-0301</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Daylight min level: Disable		
<b>OSI-FB-0302</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 10% Daylight min level: Disable		
<b>OSI-FB-0303</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 50% Daylight min level: Disable		
<b>OSI-FT-0301</b>	Tri-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: Disable		
<b>OSE-FB-0402</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Daylight min level: 50 lux Remote capabilities	External High Frequency - Bi-Level, Tri-Level, Hold-Off daylight level 120-347 V, Max 50' ceiling heights, -35°C to 55°C, Wet and cold location  Remote OSI-RC-MH02 to be ordered separately	Detection Area: 50%/100% Remote Control: 50%/100% Hold Time: 5s/30s/1 min/3 min/20 min/30 min Remote Control: 5s/30s/1 min/3 min/5 min/10 min/20 min/30 min Stand-by Dim Level: 10%/20%/30%/50% Remote Control: 10%/20%/30%/50% Stand-by Period: 0s/1 min/3 min/10 min/30 min/Disable Remote Control: 0s/10s/1 min/3 min/5 min/10 min/30 min/Disable Daylight min level: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/Disable Remote Control: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/Disable
<b>OSE-FT-0402</b>	Tri-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: 50 lux Remote capabilities		
<b>OSI-FD-0601</b>	ON/OFF Detection Area: 100% Hold Time: 30 min Daylight min level: Disable Remote capabilities	Internal High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level 120-347 V, Max 25' ceiling heights, -35°C to 70°C, Dry and cold location  Remote OSI-RC-MH02 to be ordered separately	Detection Area: 25%/50%/75%/100% Remote Control: 25%/50%/75%/100% Hold Time: 8s/30s/1 min/5 min/10 min/15 min/30 min Remote Control: 8s/1 min/5 min/15 min/30 min Stand-by Dim Level: 10%/20%/30%/40% Remote Control: 10%/20%/30%/40%/50% Stand-by Period: 0s/1 min/3 min/5 min/10 min/30 min/∞ Remote Control: 0s/1 min/5 min/30 min/∞ Daylight min level: 5 lux/15 lux/30 lux/50 lux/100lu/150 lux/Disable Remote Control: 5 lux/15 lux/50 lux/150 lux/Disable
<b>OSI-FD-0602</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: Disable Remote capabilities		
<b>OSI-FD-0603</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 100 lux Remote capabilities		
<b>OSI-FB-0603</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0604</b>	Bi-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0605</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 30% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0606</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 10% Daylight min level: Disable Remote capabilities		
<b>OSI-FT-0601</b>	Tri-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: Disable Remote capabilities		

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PRESET OPTIONS		ALL FEATURES AVAILABLE	
SENSOR OPTION	FEATURES		
<b>HBBF-L</b>			
<b>OSE-PO-0303</b>	ON/OFF Detection Area: 100% Hold time: 20 min	External PIR - ON/OFF, 120-347 V, 20-40' ceiling heights, With Arm, -10°C to 70°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0304</b>	ON/OFF Detection Area: 100% Hold Time: 20 min	External PIR - ON/OFF, 120-347 V, 20-40' ceiling heights, With Arm, -40°C to 40°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0503</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux Remote capabilities	External PIR - ON/OFF, Hold-Off daylight level, 120-347 V, 15-40' ceiling heights, With Arm, 0°C to 70°C, Dry location	Detection Area: 100% Hold Time: 5 min/10 min/15 min/20 min/30 min Remote Control: 1 min to 30 min Daylight min level: 10 lux to 3000 lux Remote Control: 10 lux to 3000 lux, disable
<b>OSE-PO-0504</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux No remote capabilities	Remote OSI-FSIR-100 to be ordered separately	
<b>OSE-PB-0202</b>	Bi-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities	External PIR - Bi-Level, Hold-Off daylight level, 120-347 V, 20' ceiling heights, -40°C to 75°C, Wet location and cold location  Remote OSI-FSIR-100 to be ordered separately	Remote control required for other features
<b>OSE-FO-0401</b>	ON-OFF Detection Area: 100% Hold Time: 20 min Remote capabilities	External High Frequency - ON-OFF, Bi-Level, Tri-Level, Hold-Off daylight level, 120-347 V, Max 50' ceiling heights, -35°C to 55°C, Wet and cold location	Detection Area: 50%/100% Remote Control: 50%/100% Hold Time: 5s/30s/1 min/3 min/20 min/30 min Remote Control: 5s/30s/1 min/3 min/5 min/10 min/ 20 min/30 min Stand-by Dim Level: 10%/20%/30%/50% Remote Control: 10%/20%/30%/50%
<b>OSE-FB-0401</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Remote capabilities	Remote OSI-RC-MH02 to be ordered separately	Stand-by Period: 0s/1 min/3 min/10 min/30 min/Disable Remote Control: 0s/10s/1 min/3 min/5 min/10 min/ 30 min/Disable Daylight min level: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/Disable Remote Control: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/Disable
<b>HBCF</b>			
<b>OSE-PO-0303</b>	ON/OFF Detection Area: 100% Hold time: 20 min	External PIR - ON/OFF 120-347 V, 20-40' ceiling heights, With Arm, -10°C to 70°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0304</b>	ON/OFF Detection Area: 100% Hold Time: 20 min	External PIR - ON/OFF 120-347 V, 20-40' ceiling heights, With Arm, -40°C to 4°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0503</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux Remote capabilities	External PIR - ON/OFF, Hold-Off daylight level, 120-347 V, 15-40' ceiling heights, With Arm, 0°C to 70°C, Dry location	Detection Area: 100% Hold Time: 5 min/10 min/15 min/20 min/30 min Remote Control: 1 min to 30 min Daylight min level: 10 lux to 3000 lux Remote Control: 10 lux to 3000 lux, disable
<b>OSE-PO-0504</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux No remote capabilities	Remote OSI-FSIR-100 to be ordered separately	
<b>WPFH</b>			
<b>OSE-PO-0303</b>	ON/OFF Detection Area: 100% Hold time: 20 min	External PIR - ON/OFF 120-347 V, 20-40' ceiling heights, With Arm, -10°C to 70°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0304</b>	ON/OFF Detection Area: 100% Hold Time: 20 min	External PIR - ON/OFF 120-347 V, 20-40' ceiling heights, With Arm, -40°C to 4°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0503</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux Remote capabilities	External PIR - ON/OFF, Hold-Off daylight level, 120-347 V, 15-40' ceiling heights, With Arm, 0°C to 70°C, Dry location	Detection Area: 100% Hold Time: 5 min/10 min/15 min/20 min/30 min Remote Control: 1 min to 30 min Daylight min level: 10 lux to 3000 lux Remote Control: 10 lux to 3000 lux, disable
<b>OSE-PO-0504</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux No remote capabilities	Remote OSI-FSIR-100 to be ordered separately	
<b>OSE-PO-0704</b>	ON/OFF Detection Area: 100% Hold Time: 15 min	External PIR - ON/OFF, 120-277 V, 40' ceiling heights, With Arm, -40°C to 70°C, Wet and cold location	Detection Area: 100% Hold Time: 15 sec to 30 min
<b>OSE-PO-0804</b>	ON/OFF Detection Area: 100% Hold Time: 15 min	External PIR - ON/OFF, 347 V, 40' ceiling heights, With Arm, -40°C to 70°C, Wet and cold location	Detection Area: 100% Hold Time: 15 sec to 30 min

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PRESET OPTIONS		ALL FEATURES AVAILABLE	
SENSOR OPTION	FEATURES		
<b>WPFH-L</b>			
<b>OSE-PO-0303</b>	ON/OFF Detection Area: 100% Hold time: 20 min	External PIR - ON/OFF, 120-347 V, 20-40' ceiling heights, With Arm, -10°C to 70°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0304</b>	ON/OFF Detection Area: 100% Hold Time: 20 min	External PIR - ON/OFF, 120-347 V, 20-40' ceiling heights, With Arm, -40°C to 4°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0503</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux Remote capabilities	External PIR - ON/OFF, Hold-Off daylight level, 120-347 V, 15-40' ceiling heights, With Arm, 0°C to 70°C, Dry location  Remote OSI-FSIR-100 to be ordered separately	Detection Area: 100% Hold Time: 5 min/10 min/15 min/20 min/30 min Remote Control: 1 min to 30 min Daylight min level: 10 lux to 3000 lux Remote Control: 10 lux to 3000 lux disable
<b>OSE-PO-0504</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux No remote capabilities		
<b>OSE-PO-0704</b>	ON/OFF Detection Area: 100% Hold Time: 15 min	External PIR - ON/OFF, 120-277 V, 40' ceiling heights, With Arm, -40°C to 70°C, Wet and cold location	Detection Area: 100% Hold Time: 15 sec to 30 min
<b>OSE-PO-0804</b>	ON/OFF Detection Area: 100% Hold Time: 15 min	External PIR - ON/OFF, 347 V, 40' ceiling heights, With Arm, -40°C to 70°C, Wet and cold location	Detection Area: 100% Hold Time: 15 sec to 30 min
<b>OSE-PB-0202</b>	Bi-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities	External PIR - Bi-Level, Hold-Off daylight level, 120-347 V, 20' ceiling heights, -40°C to 75°C, Wet location and cold location  Remote OSI-FSIR-100 to be ordered separately	Remote control required for other features
<b>OSI-FO-0301</b>	ON/OFF Detection Area: 100% Hold Time: 20 min Daylight min level: Disable	Internal High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level, 120-277 V, Max 32' ceiling heights, -25°C to 60°C, Dry and cold location	Detection Area: 25%/50%/75%/100% Hold Time: 5s/30s/90s/3 min/20 min/∞ Stand-by Dim Level: 10%/20%/30%/50% Stand-by Period: 0s/5s/5 min/10 min/30 min/1h/∞ Daylight min level: 5 lux/15 lux/30 lux/50 lux/100lux/150 lux/Disable
<b>OSI-FB-0301</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Daylight min level: Disable		
<b>OSI-FB-0302</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 10% Daylight min level: Disable		
<b>OSI-FB-0303</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 50% Daylight min level: Disable		
<b>OSI-FT-0301</b>	Tri-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: Disable		
<b>OSE-FB-0402</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Daylight min level: 50 lux Remote capabilities	External High Frequency - Bi-Level, Tri-Level, Hold-Off daylight level, 120-347 V, Max 50' ceiling heights, -35°C to 55°C, Wet and cold location  Remote OSI-RC-MH02 to be ordered separately	Detection Area: 50%/100% Remote Control: 50%/100% Hold Time: 5s/30s/1 min/3 min/20 min/30 min Remote Control: 5s/30s/1 min/3 min/5 min/10 min/ 20 min/30 min Stand-by Dim Level: 10%/20%/30%/50% Remote Control: 10%/20%/30%/50% Stand-by Period: 0s/1 min/3 min/10 min/30 min/Disable Remote Control: 0s/10s/1 min/3 min/5 min/10 min/ 30 min/Disable Daylight min level: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/Disable Remote Control: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/Disable
<b>OSE-FT-0402</b>	Tri-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: 50 lux Remote capabilities		

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PRESET OPTIONS			ALL FEATURES AVAILABLE
SENSOR OPTION	FEATURES		
<b>WPFH-L (CONT'D)</b>			
<b>OSI-FD-0601</b>	ON/OFF Detection Area: 100% Hold Time: 30 min Daylight min level: Disable Remote capabilities	Internal High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level 120-347 V, Max 25' ceiling heights, -35°C to 70°C, Dry and cold location  Remote OSI-RC-MH02 to be ordered separately	Detection Area: 25%/50%/75%/100% Remote Control: 25%/50%/75%/100% Hold Time: 8s/30s/1 min/5 min/10 min/15 min/30 min Remote Control: 8s/1 min/5 min/15 min/30 min Stand-by Dim Level: 10%/20%/30%/40% Remote Control: 10%/20%/30%/40%/50% Stand-by Period: 0s/1 min/3 min/5 min/10 min/30 min/∞ Remote Control: 0s/1 min/5 min/30 min/∞ Daylight min level: 5 lux/15 lux/30 lux/50 lux/100lu/150 lux/Disable Remote Control: 5 lux/15 lux/50 lux/150 lux/Disable
<b>OSI-FD-0602</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: Disable Remote capabilities		
<b>OSI-FD-0603</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 100 lux Remote capabilities		
<b>OSI-FB-0603</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0604</b>	Bi-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0605</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 30% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0606</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 10% Daylight min level: Disable Remote capabilities		
<b>OSI-FT-0601</b>	Tri-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: Disable Remote capabilities		
<b>C218S, C218S-L, S19T, W19N-L</b>			
<b>OSE-PO-0301</b>	ON/OFF Detection Area: 100% Hold Time: 20 min	External PIR - ON/OFF, 120-347 V, 20-40' ceiling heights, -10°C to 70°C, Dry location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0501</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux Remote capabilities	External PIR - ON/OFF, Hold-Off daylight level, 120-347 V, 15-40' ceiling heights, 0°C to 70°C, Dry location	Detection Area: 100% Hold Time: 5 min/10 min/15 min/20 min/30 min Remote Control: 1 min to 30 min Daylight min level: 10 lux to 3000 lux Remote Control: 10 lux to 3000 lux, disable
<b>OSE-PO-0502</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux No remote capabilities	Remote OSI-FSIR-100 to be ordered separately	
<b>SCA</b>			
<b>OSI-PO-0101</b>	ON/OFF Detection Area: 100% Hold Time: 30 min Daylight min level: 100 lux	Internal PIR - ON/OFF, Hold-Off daylight level, 120-347 V, 8' ceiling heights, 0°C to 55°C, Dry location	Detection Area: 100% Hold Time: 30 sec to 30 min Daylight min level: 100 lux to 1200 lux
<b>E20H-L</b>			
<b>OSE-FD-1001</b>	ON/OFF Detection Area: 100% Hold Time: 20 min Daylight min level: Disable Remote capabilities	External High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level, 120-277 V, Max 50' ceiling heights, -35°C to 55°C, Wet location	Detection Area: 50%/100% Remote Control: 25%/50%/75%/100% Hold Time: 5s/30s/1 min/3 min/20 min/30 min Remote Control: 5s/30s/1 min/3 min/5 min/10 min/20 min/30 min Stand-by Dim Level: 10%/20%/30%/50% Remote Control: 10%/20%/30%/50% Stand-by Period: 0s/1 min/3 min/10 min/30 min/+∞ Remote Control: 0s/10s/1 min/3 min/5 min/10 min/30 min/+∞ Daylight min level: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/disable Remote Control: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/disable
<b>OSE-FB-1001</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 50% Daylight min level: Disable Remote capabilities	Remote OSI-RC-MH10 to be ordered separately	
<b>OSE-FD-1101</b>	ON/OFF Detection Area: 100% Hold Time: 20 min Daylight min level: Disable Remote capabilities	External High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level, 347 V, Max 50' ceiling heights, -35°C to 70°C, Wet location  Remote OSI-RC-HXGY347 required for other features. To be ordered separately.	Detection Area: 25%/50%/75%/100% Hold Time: 5s/30s/1 min/3 min/5 min/10 min/20 min/30 min Stand-by Dim Level: 10%/20%/30%/50% Stand-by Period: 0s/10s/30s/1 min/5 min/10 min/30 min/+∞ Daylight min level: 2 lux/10 lux/30 lux/50 lux/80 lux/120 lux/Disable

# OCCUPANCY SENSORS

## SELECTION GUIDE

PRESET OPTIONS		ALL FEATURES AVAILABLE	
SENSOR OPTION	FEATURES		
<b>S20LS</b>			
<b>OSE-PO-0301</b>	ON/OFF Detection Area: 100% Hold time: 20 min	External PIR - ON/OFF, 120-347 V, 20-40' ceiling heights, -10°C to 70°C, Dry location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0501</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux Remote capabilities	External PIR - ON/OFF, Hold-Off daylight level 120-347 V, 15-40' ceiling heights, 0°C to 70°C, Dry location  Remote OSI-FSIR-100 to be ordered separately	Detection Area: 100% Hold Time: 5 min/10 min/15 min/20 min/30 min Remote Control: 1 min to 30 min Daylight min level: 10 lux to 3000 lux Remote Control: 10 lux to 3000 lux, disable
<b>OSE-PO-0502</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux No remote capabilities		
<b>OSI-FO-0301</b>	ON/OFF Detection Area: 100% Hold Time: 20 min Daylight min level: Disable	Internal High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level, 120-277 V, Max 32' ceiling heights, -25°C to 60°C, Dry location	Detection Area: 25%/50%/75%/100% Hold Time: 5s/30s/90s/3 min/20 min/∞ Stand-by Dim Level: 10%/20%/30%/50% Stand-by Period: 0s/5s/5 min/10 min/30 min/1h/∞ Daylight min level: 5 lux/15 lux/30 lux/50 lux/100lu/150 lux/Disable
<b>OSI-FB-0301</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Daylight min level: Disable		
<b>OSI-FB-0302</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 10% Daylight min level: Disable		
<b>OSI-FB-0303</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 50% Daylight min level: Disable		
<b>OSI-FT-0301</b>	Tri-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: Disable		
<b>OSI-FO-0601</b>	ON/OFF Detection Area: 100% Hold Time: 30 min Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0601</b>	Bi-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 30% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0602</b>	Bi-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 10% Daylight min level: Disable Remote capabilities	Internal High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level, 120-347 V, Max 25' ceiling heights, -35°C to 70°C, Dry location  Remote OSI-RC-MH02 to be ordered separately	Detection Area: 25%/50%/75%/100% Remote Control: 25%/50%/75%/100% Hold Time: 8s/30s/1 min/5 min/10 min/15 min/ 30 min Remote Control: 8s/1 min/5 min/15 min/30 min Stand-by Dim Level: 10%/20%/30%/40% Remote Control: 10%/20%/30%/40%/ 50% Stand-by Period: 0s/1 min/3 min/5 min/10 min/ 30 min/∞ Remote Control: 0s/1 min/5 min/30 min/∞ Daylight min level: 5 lux/15 lux/30 lux/50 lux/100lu/150 lux/Disable Remote Control: 5 lux/15 lux/50 lux/150 lux/ Disable
<b>OSI-FB-0603</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0604</b>	Bi-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities		
<b>OSI-FT-0601</b>	Tri-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: Disable Remote capabilities		



# OCCUPANCY SENSORS

## SELECTION GUIDE

PRESET OPTIONS		ALL FEATURES AVAILABLE	
SENSOR OPTION	FEATURES		
<b>VP4-L</b>			
<b>OSE-PO-0301</b>	ON/OFF Detection Area: 100% Hold time: 20 min	External PIR - ON/OFF, 120-347 V, 20-40' ceiling heights, -10°C to 70°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0302</b>	ON/OFF Detection Area: 100% Hold Time: 20 min	External PIR - ON/OFF, 120-347 V, 20-40' ceiling heights, -40°C to 4°C, Dry and cold location	Detection Area: 100% Hold Time: 30 sec to 20 min
<b>OSE-PO-0501</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux Remote capabilities	External PIR - ON/OFF, Hold-Off daylight level, 120-347 V, 15-40' ceiling heights, 0°C to 70°C, Dry location  Remote OSI-FSIR-100 to be ordered separately	Detection Area: 100% Hold Time: 5 min/10 min/15 min/20 min/30 min Remote Control: 1 min to 30 min Daylight min level: 10 lux to 3000 lux Remote Control: 10 lux to 3000 lux, disable
<b>OSE-PO-0502</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 3 000 lux No remote capabilities		
<b>OSE-PO-0701</b>	ON/OFF Detection Area: 100% Hold Time: 15 min	External PIR - ON/OFF, 120-277 V, 20' ceiling heights, -40°C to 70°C, Wet and cold location	Detection Area: 100% Hold Time: 15 sec to 30 min
<b>OSI-FO-0301</b>	ON/OFF Detection Area: 100% Hold Time: 20 min Daylight min level: Disable	Internal High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level, 120-277 V, Max 32' ceiling heights, -25°C to 60°C, Dry and cold location	Detection Area: 25%/50%/75%/100% Hold Time: 5s/30s/90s/3 min/20 min/∞ Stand-by Dim Level: 10%/20%/30%/50% Stand-by Period: 0s/5s/5 min/10 min/30 min/1h/∞ Daylight min level: 5 lux/15 lux/30 lux/50 lux/100lux/150 lux/Disable
<b>OSI-FB-0301</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Daylight min level: Disable		
<b>OSI-FB-0302</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 10% Daylight min level: Disable		
<b>OSI-FB-0303</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 50% Daylight min level: Disable		
<b>OSI-FT-0301</b>	Tri-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: Disable		
<b>OSE-FB-0402</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 30% Daylight min level: 50 lux Remote capabilities	External High Frequency - Bi-Level, Tri-Level, Hold-Off daylight level, 120-347 V, Max 50' ceiling heights, -35°C to 55°C, Wet and cold location  Remote OSI-RC-MH10 to be ordered separately	Detection Area: 50%/100% Remote Control: 50%/100% Hold Time: 5s/30s/1 min/3 min/20 min/30 min Remote Control: 5s/30s/1 min/3 min/5 min/10 min/20 min/30 min Stand-by Dim Level: 10%/20%/30%/50% Remote Control: 10%/20%/30%/50% Stand-by Period: 0s/1 min/3 min/10 min/30 min/Disable Remote Control: 0s/10s/1 min/3 min/5 min/10 min/30 min/Disable Daylight min level: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/Disable Remote Control: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/Disable
<b>OSE-FT-0402</b>	Tri-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: 50 lux Remote capabilities		

# OCCUPANCY SENSORS

## SELECTION GUIDE

PRESET OPTIONS		ALL FEATURES AVAILABLE	
SENSOR OPTION	FEATURES		
<b>VP4-L [CONT'D]</b>			
<b>OSI-F0-0601</b>	ON/OFF Detection Area: 100% Hold Time: 30 min Daylight min level: Disable Remote capabilities		
<b>OSI-F0-0602</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: Disable Remote capabilities		
<b>OSI-F0-0603</b>	ON/OFF Detection Area: 100% Hold Time: 15 min Daylight min level: 100 lux Remote capabilities		
<b>OSI-FB-0603</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0604</b>	Bi-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 40% Daylight min level: Disable Remote capabilities	Internal High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level 120-347 V, Max 25' ceiling heights, -35°C to 70°C, Dry and cold location  Remote OSI-RC-MH02 to be ordered separately	Detection Area: 25%/50%/75%/100% Remote Control: 25%/50%/75%/100% Hold Time: 8s/30s/1 min/5 min/10 min/15 min/ 30 min Remote Control: 8s/1 min/5 min/15 min/30 min Stand-by Dim Level: 10%/20%/30%/40% Remote Control: 10%/20%/30%/40%/ 50% Stand-by Period: 0s/1 min/3 min/5 min/10 min/ 30 min/∞ Remote Control: 0s/1 min/5 min/30 min/∞ Daylight min level: 5 lux/15 lux/30 lux/50 lux/100lu/150 lux/ Disable Remote Control: 5 lux/15 lux/50 lux/150 lux/ Disable
<b>OSI-FB-0605</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 30% Daylight min level: Disable Remote capabilities		
<b>OSI-FB-0606</b>	Bi-Level Detection Area: 100% Hold Time: 15 min Stand-by Dim Level: 10% Daylight min level: Disable Remote capabilities		
<b>OSI-FT-0601</b>	Tri-Level Detection Area: 100% Hold Time: 30 min Stand-by Dim Level: 30% Stand-by Period: 10 min Daylight min level: Disable Remote capabilities		
<b>VPE4-L</b>			
<b>OSI-F0-0201</b>	ON/OFF Detection Area: 100% Hold Time: 20 min Daylight min level: Disable	External High Frequency - ON/OFF, Hold-Off daylight level, 120-277 V, Max 50' ceiling heights, -20°C to 60°C	Detection Area: 25%/50%/75%/100% Hold Time: 5s/30s/90s/3 min/20 min/30 min Daylight min level: 5 lux/15 lux/30 lux/50 lux/100 lux/150 lux/ Disable
<b>OSI-FB-0501</b>	Bi-Level Detection Area: 100% Hold Time: 20 min Stand-by Dim Level: 50% Daylight min level: Disable	External High Frequency - ON/OFF, Bi-Level, Tri-Level, Hold-Off daylight level, 120-277 V, Max 50' ceiling heights, -35°C to 70°C	Detection Area: 10%/50%/75%/100% Hold Time: 5s/30s/90s/3 min/20 min/+∞ Stand-by Dim Level: 10%/20%/30%/50% Stand-by Period: 0s/5s/5 min/10 min/30 min/1h/Disable Daylight min level: 2 lux/5 lux/10 lux/25 lux/50 lux/100 lux/ Disable