Occupancy & Vacancy Sensors

Rely on Intermatic for added convenience, security and long-term energy savings.



Savings in motion.

Save on energy costs with Intermatic's affordable selection of reliable, high-quality Occupancy & Vacancy Sensors.



In-Wall and Ceiling Mount Sensors in both PIR (infrared) and Dual (PIR/Ultrasonic) Technologies can monitor virtually any area within a building, making Intermatic your best source when integrating lighting strategies in any retrofit or new construction project. Intermatic sensors are Title 20 compliant and can be used to achieve LEED certification.

Engineered and tested for long-lasting performance.

Our occupancy sensors have been designed and strenuously tested to ensure their dependability and compatibility with any lighting type including LED. In fact, they have achieved some of the highest ratings in the industry, including a 5 A Electronic Ballast Rating and meeting the NEMA 410 Standard.

They utilize zero-crossing technology to suppress inrush current impact. This provides reliable ON/OFF sensing no matter the lighting technology, whether older magnetic models or new electronic drivers and ballasts.

The right technology for the space.

Any object or person naturally emits radiation in the infrared range, known as the ordinary heat radiated by each element. Our range of sensors detects the presence and movement of people in a room, space, or immediate vicinity. Smart technology discerns even fine motor movements, so lights stay on when needed and turn off when vacated to conserve energy.

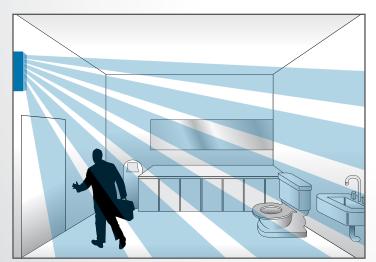




Ceiling Mount Sensors

In-Wall Sensors

The differences between Passive Infrared (PIR) and Dual (PIR/Ultrasonic) technology.



Passive infrared (PIR) technology detects the difference in heat energy a person in motion generates in contrast to the elements surrounding them in a confined space. To detect presence PIR needs line of sight to a person.



Dual (PIR/Ultrasonic) technology combines PIR with Ultrasonic technology. Ultrasonic utilizes wave analysis and Doppler sound waves to detect differences in energy from different phenomenon. The combination of the two technologies enhances responsiveness for maximum system reliability.

Commercial-Grade Sensors

Ceiling Mount and In-Wall Switch Sensors

Intermatic's line-up of ceiling mount sensors and in-wall switches are simple to install, so they can get to work quickly, helping to save energy, enhance security, and add convenience in all types of facilities: offices, industrial/warehouses, schools, hospitals, nursing homes, and rehabilitation centers.

Features:

- Variety of coverage options to best meet the environment
- Zero-crossing technology for long life and performance
- Adjustable ambient light sensor override
- "No neutral wire required" models for retrofit applications
- User-selectable Vacancy or Occupancy switch mode available on IOS-DSR/DOV/DDR models
- High-Bay Fixture Mount Sensor detects from 15 to 50 ft.
- In-Wall Switches come with standard decorator wall plate
- Incandescent/Fluorescent/CFL/LED compatible

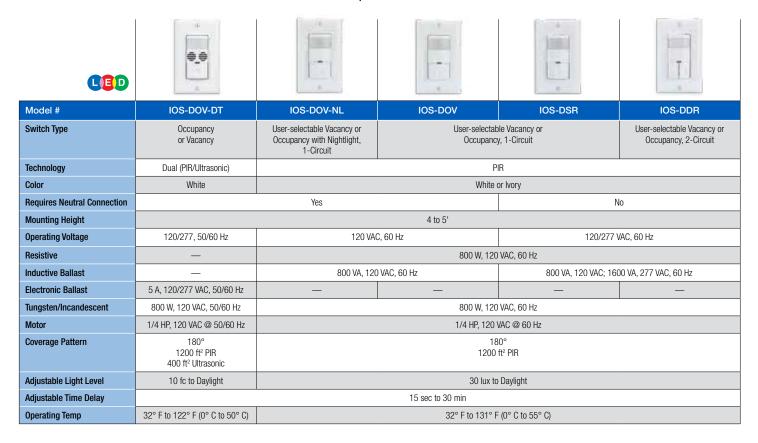
Commercial-Grade, In-Wall Sensor Applications

| In-Wall Mount | | Ceiling Mount | | | |
|--|---|--|--|--|---|
| IOS-DOV-DT | IOS-DOV / IOS-DSR / IOS-DDR | IOS-CMP-DT-U | IOS-CMP-DT-LV | IOS-CMP-U / IOS-CMP-LV | IOS-HB-U |
| Dual (PIR/Ultrasonic) | PIR | Dual (PIR/Ultrasonic) | | PIR | |
| Partitioned RestroomOffice Space w/CubiclesStorage RoomsLibrariesWaiting Rooms | Laundry RoomPrivate OfficeCopy Room | Partitioned Restroom Office Space w/Cubicles Storage Rooms Libraries Waiting Rooms | Partitioned RestroomStorage RoomsWaiting Rooms | Conference Room Classroom Large Open Areas Breakroom | WarehouseManufacturing |





Commercial-Grade, In-Wall Switches Comparison Guide



Commercial-Grade, Ceiling-Mount Sensor Comparison Guide



^{*} Ratings of Low Voltage Power Pack, IOS-PP24.

Residential-Grade Sensors

In-Wall Vacancy and Occupancy Sensor Switches

Intermatic's Occupancy Sensors are designed to save energy, add security, and compliment the aesthetics of single or multifamily homes. They are simple to install, as many do not require a neutral wire. There are models to control both electronic and magnetic ballasts and all meet California Title 20 requirements. All models incorporate passive infrared (PIR) technology to detect the heat that is naturally generated by people for ON and OFF activation.

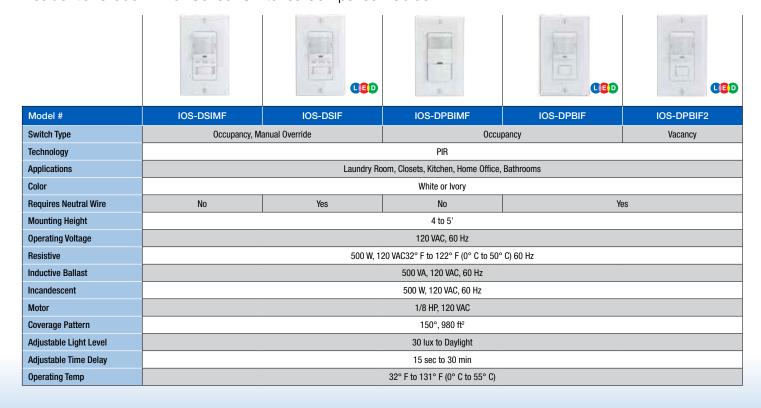
Features:

- Adjustable PIR sensitivity
- Adjustable time delay 15 sec to 30 min
- Adjustable ambient light sensor override
- Incandescent/ Fluorescent/CFL/LED compatible models
- "No neutral wire required" models available for retrofit
- Come with standard decorator wall plate





Residential Grade In-Wall Sensor Switches Comparison Guide

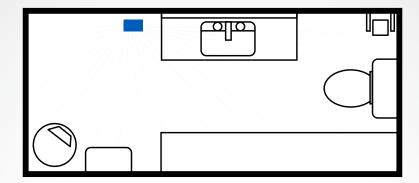


Using PIR or Dual Technology Based on Room Layout*

Non-partitioned Bathroom

In-Wall Sensor with PIR Technology

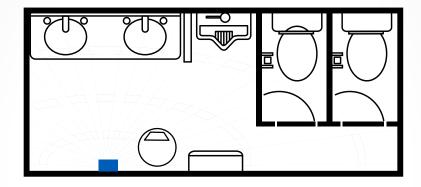




Partitioned Bathroom

In-Wall Sensor with Dual Technology

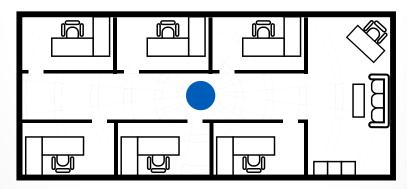




Office Space with Cubicles

Ceiling Mount Sensor with Dual Technology

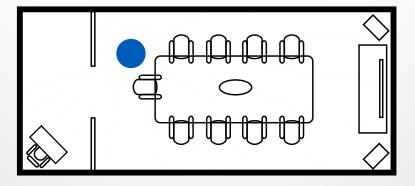




Conference Room

Ceiling Mount Sensor with PIR Technology





Installation Tips:

- * Do not install near vents; refer to instruction sheets
- * Make sure sensor is not blocked by objects or doors
- * When installing multiple sensors, overlap walkway coverage, to avoid non-triggers