

SENSING TECHNOLOGIES FOR GREENGATE, SENSER SWITCH AND WATT STOPPER



Passive Infrared technology

(PIR) detects occupancy by sensing the difference between heat emitted from a human body in motion and the background space. Relying on a clear line of sight, PIR sensors feature precise cut-off of coverage. Ideal applications for PIR technology are Small offices in which primary activities are relatively stationary, like computer work and reading. Small Conference rooms used for meetings and training. Individual restrooms without partitions, and small lunch or break rooms where there is no obstructions.



Ultrasonic technology

work by transmitting ultrasonic sound waves throughout an area and measuring the speed at which they return. Occupant movements change the frequency of the waves. Ultrasonic sensors can detect movement around partitions unlike the PIR technology which makes it perfect for applications where partitions or obstruction are present in a space. Ideal applications are open office area, and partitioned restrooms.



Dual-Technology combines PIR and ultrasonic technology. Dual technology sensors ensure maximum sensitivity and coverage for hard to sense spaces optimizing reliability and energy savings. Ideal applications for this type of technology are large executive offices, conference rooms, and lunch/break rooms.