

Line Extension

EKMB and EKMC Series PIR Motion Sensors

Now with an Ultra Wide and Long Distance Detection Type Lens Option



New Panasonic PIR Sensors are Designed for Long Distance and Wide Field of View Detection, such as Walkway and Street Lighting Applications!

Panasonic, a worldwide leader in Sensors technology, is pleased to introduce the new Ultra Wide and Long Distance Detection Type PIR Motion Sensor Line Extension to the existing EKMB and EKMC Series lineups. These new compact PIR Sensors offer detection for heights of up to 49 feet and a maximum field of view (FOV) of 91.6° X 45.4° along with long-range offering 188 detection zones enabling exceptional detection of radial movement, thus minimizing blind spots which is ideal for high-ceiling installations. These easy-to-install PIR Sensors can be integrated into existing lighting systems and features both digital, open drain, and analog op-amp output.

Panasonic's Ultra Wide and Long Distance Detection Type PIR Motion Sensors consist of a lens to create various detection zones, an optical filter to block non-infrared light, Pyroelectric sensing elements, and an impedance converter to get an electrical signal. In addition to this, Panasonic also integrates an amplifier and comparator circuit on the same chip, all densely packed inside the stem block.

Panasonic's one-chip ASIC design is superior to discreet solutions by saving space, adding electromagnetic shielding to all circuitry, and reducing the number of components required. These PIR Sensors are available in white, black, and pearl white.

Features and Benefits

- Long and Wide FOV Suitable for High Bay Corridor/Walkway Applications
- 45 Degree Tilt Allows For Higher Sensitivity Detection
- Plug And Play Solution With Digital Output To Simplify Design
- High Signal To Noise Ratio Ensures Prevention Of False Triggers
- Low Power Consumption Available At 1 μ A, 2 μ A, and 6 μ A
- Sensor Contains Single-Chip ASIC That Contains Internal Amplifier And Comparator Circuit To Simplify Design
- High Reliability
- Advanced Pyroelectric Sensor Design Improves Accuracy Of Detection

Industries

- Lighting
- HVAC
- Security
- Smart Home

Applications

- Lighting Controls: Motion / Occupancy Detection
- Security Camera / Alarm
- Smart Heating/Cooling
- Motion Detection