Panasonic

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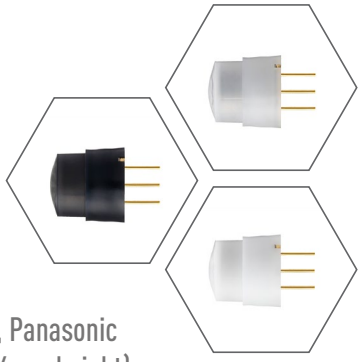
Line Extension

Passive Infrared or Pyroelectric (PIR) Motion Sensors

EKMB and EKMC Series "Low Profile" Type



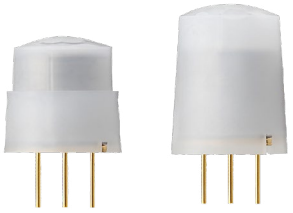
New Panasonic "Low Profile" Type PIR Motion Sensors Offer A 10.9mm Profile Alternative

Panasonic, a worldwide leader in Sensors technology, is pleased to introduce the **New "Low Profile" PIR Motion Sensor** Line Extension to the existing EKMB and EKMC Series line ups. Featuring a new lens design, Panasonic now provides PIR Sensors that offer a lower profile alternative to standard lens design (10.9mm versus 14.4mm height).

Panasonic **New "Low Profile" 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. The **New "Low Profile" PIR Motion Sensors** feature a one-chip ASIC design which is superior to discreet solutions by saving space, adding electro-magnetic shielding to all circuitry and cutting down on the number of components required.

Available in White, Black and Pearl White.

Height Comparison Showing Standard PIR Sensor At 14.4mm Vs. New Low Profile Type PIR Sensor At 10.9mm



10.9mm 14.4mm

Features and Benefits

- Low Profile Type Features A Low Profile Lens
- Smaller Height Allows For Thinner Housing Structure Around The Sensor
- Plug And Play Solution With Digital Output
- Sensor Contains Single-Chip ASIC That Contains Internal Amplifier And Comparator Circuit To Simplify Design
- High Reliability
- High Signal To Noise Ratio Ensures Prevention Of False Triggers
- Advanced Pyroelectric Sensor Design Improves Accuracy Of Detection
- Low Power Consumption Available With Options At 1μA, 2μA And 6μA
- RoHS And REACH Compliant

Industries

- Lighting Equipment
- HVAC
- Home Automation
- Security

Applications

- Lighting Controls (Motion / Occupancy Detection)
- Thermostat
- Security Camera / Alarm

S SENSORS

REACH COMPLIANT RoHS COMPLIANT