



Introducing the **LOS-509** series

Low Cost On/Off Occupancy Sensor with Premium Hybrid Switching



The premier sensor specialist, IR-TEC continues to amaze the lighting control market with its new LOS-509 series occupancy sensor. This low cost occupancy sensor employs hybrid switching, an advanced load switching control technology specially developed to handle the high inrush current generated while switching on capacitive loads, such as LED lighting. Line voltage sensor with hybrid switching technology ensures a long operation life expectancy for commercial and industrial lighting that require simple on/off occupancy sensing control with an ambient light sensor.

Same as all members of IR-TEC's popular TRANS PIR sensors, the LOS-509 series also provide superior occupancy sensing capability with second-to-none interchangeable lens options, and multiple mounting options for OEM fixture integration and ceiling mount installation.

FEATURES

- Omni-directional quad element infrared sensor**
 Quad-element pyroelectric infrared sensor provides better omni-directional detection capability than a conventional dual-element sensor, thus having superior detection performance to movement in every direction.
- Ambient light sensor built-in for daylight inhibit**
 An ambient light sensor (ALS) is built-in to inhibit switching on the light when ambient light level is higher than the threshold set, thus help achieve more energy savings at the spaces available with abundant daylight.
- Hybrid switching for high inrush current load**
 Most LED drivers could generate exceptionally high inrush current while switching on that could significantly shorten the operation lifetime of relay contacts. The LOS-509 employs an advanced Hybrid Switching technology to ensure the longest life expectancy with HIC load.
- Quick, easy, and accurate sensor setting**
 Setting a large number of installed sensors, especially high bays, can be a time consuming and expensive job. The settings of LOS-509 sensor can be easily and accurately set via digital Accu-Set potentiometers.
- Available with a variety of mounting options**
 Like all sensors in the TRANS family, the LOS-509 series is also available with various mounting options, including individual fixture integration, IP-66 fixture integration, ceiling surface mount, and junction box mount.
- Available with interchangeable lens options**
 Like all TRANS-PIR sensors, the LOS-509 series also features interchangeable lens options which provide different detection patterns, such as wide angle, high bay, and aisle way for different mounting heights.

APPLICATIONS

- Line Voltage Occupancy Sensing On/Off Switching Control**



Smart Sensor for Smart Lighting