



Introducing **LMS-509** series



The HFD Occupancy Sensor with Hybrid Switching

The premier sensor specialist, IR-TEC continues to expand its popular TRANS sensor family with the addition of the LMS-509 series HFD occupancy sensor. This line voltage occupancy sensor employs the state-of-the-art High Frequency Doppler and hybrid switching technologies to provide second-to-none minor motion sensing performance and exceptional switching capability for the loads with high inrush current.

Same as all members of the TRANS family, the LMS-509 series is available with various mounting options for fixture integration and ceiling mount installation. In addition, the HFD sensor can be mounted behind drop ceiling tiles or inside a light fixture behind the lens without requiring an opening on the cover.

FEATURES

- Advanced High Frequency Doppler (HFD) sensor**
 An advanced High Frequency Doppler sensor is employed within a fully enclosed housing to provide second-to-none minor motion sensing performance with the capability of detecting through non-metallic cover or partition.
- Quick, easy, and accurate sensor settings**
 Setting a large number of installed sensors, especially high bays, can be a time consuming and expensive job. The settings of LMS-509 sensor can be easily and accurately set via digital Accu-Set potentiometers.
- 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.
- Available with a variety of mounting options**
 Like all sensors in the TRANS family, the LMS-509 series is also available with various mounting options, including individual fixture integration, IP-66 fixture integration, ceiling surface mount, and junction box mount.
- Hybrid switching for high inrush current protection**
 Most LED drivers could generate exceptionally high inrush current while switching on that could significantly shorten the operation lifetime of relay contacts. The LMS-509 employs an advanced Hybrid Switching technology to ensure the longest life expectancy with HIC load.

APPLICATIONS

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

Smart Sensor for Smart Lighting