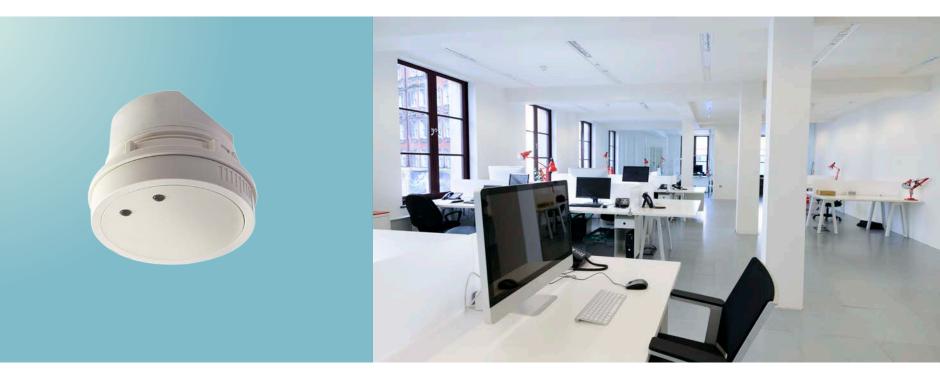


# Newsletter



### 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.

- Ambient light sensor built-in for daylight inhibit
- 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.

• Available with a variety of mounting options

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. 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



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