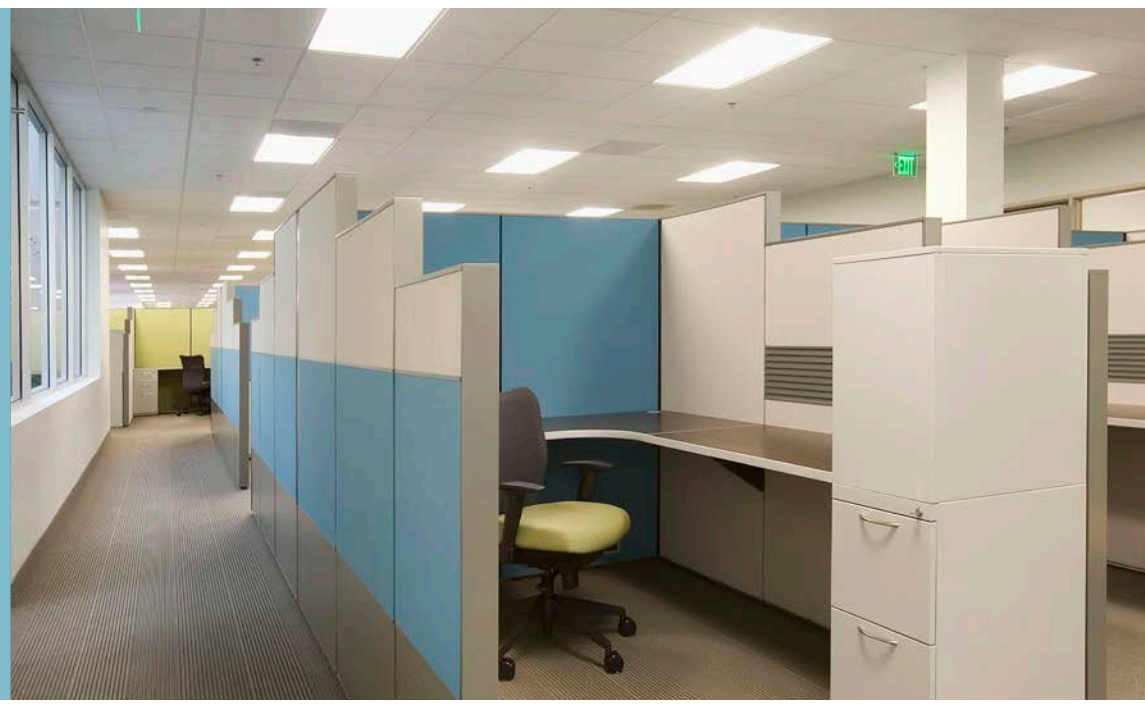
iR-TEC
Specializing in Building Sensors

Newsletter



Introducing the **BDS-600** series

TITLE 20/24

World's 1st PIR+HFD Dual Tech Occupancy Sensor Featuring Interchangeable Lenses

The premier sensor specialist, IR-TEC introduces the world's first dual technology occupancy sensor featuring interchangeable lenses, the BDS-600.

This new member of TRANS sensor family combines digital Passive Infrared (PIR) and state-of-the-art High Frequency Doppler (HFD) sensing technologies in a low profile housing to provide second-to-none occupancy sensing performance for today's sustainable buildings. This low voltage sensor can be applied to provide occupancy and/or vacancy sensing based load switching control through a Power Pack or a Building Management System.

FEATURES

- **Digital omni-directional quad element PIR 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.

- **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 partition.

- **Digital data control ambient light sensor built-in**

  A digital data control ambient light sensor (ALS) is built-in to provide exceptional sensing performance in response to the changes of ambient light level, thus enable the sensor available with daylight inhibit control.

- **Interchangeable lens offers different coverage**

  The BDS-600 series is the first dual technology occupancy sensor in the market featuring interchangeable lens, which offers specific detection pattern and coverage to meet the requirements of different applications.

- **Quick, easy, and accurate sensor setting**

  Setting a large number of sensors installed on the ceiling can be a time consuming and expensive job. Thus we designed the sensor that can be easily and accurately set via DIP switch or Accu-Set potentiometers.

- **Low profile and easy installation design**

  A low profile and stylish housing is created to deliver a sleek appearance with an easy snap-on mounting design. Wiring connection can be easily done via lead wires.

APPLICATIONS

☑ **Low Voltage Occupancy Sensing Control**

☑ **Low Voltage Vacancy Sensing Control**

Smart Sensor for Smart Lighting

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