



Line Voltage Ceiling Sensors Dual Technology- Passive Infrared/Ultrasonic

The LVDT2000R series is a line voltage ceiling mount sensor that uses Dual Technology - Passive Infrared (PIR) and Ultrasonic, to turn lighting loads on and off based upon occupancy. Dual Technology ensures maximum reliability and minimizes false triggering. As a line voltage sensor, it does not need a separate control unit. The LVDT2000R is an excellent choice for areas where there is major or minor motion.



Applications

- Retrofit use with concrete or inaccessible ceilings which limit access to low voltage wiring.
- New construction with line-voltage circuitry only.

Features and Benefits

Line Voltage Sensor with self contained power supply	Accepts line voltage inputs of 120V AC (LVDT2000R120) or 277V AC (LVDT2000R277); No need for a separate control unit
Dual Technology - Passive Infrared (PIR) and Ultrasonic	Maximum reliability and minimum false triggering
Five programming options	Ability to customize settings for room size and environment by use of dip switches
Adjustable time delay/sensitivity	Sensor can easily be adjusted to meet the needs of the room occupants by use of dip switches
2,000 sq. ft. range	Excellent coverage of a wide area

H-MOSS[®] Occupancy Sensors

Ceiling Sensor – Dual Technology



Line Voltage Ceiling Sensors Dual Technology Passive Infrared/Ultrasonic Ceiling Sensor

2000 sq. ft. coverage

Description	Catalog Number
120V AC; white   LISTED	LVDT2000R120
277V AC; white   LISTED	LVDT2000R277



LVDT2000R120

Specifications

Sensitivity	Fully adjustable: 0% - 100%
Time Delay	Fully adjustable: 30 seconds to 30 minutes
Ultrasonic output	Operating frequency: 32.7kHz
Passive Infrared	Multi-segmented, high-density Fresnel™ lens
LED Lamp	Walk test indicator; Red – Infrared motion; Green – Ultrasonic motion
Coverage	360°; up to 2000 sq. ft.
Power Requirements	LVDT2000R120 – 120V AC 50/60 Hz LVDT2000R277 – 277V AC 50/60 Hz
Load Ratings	LVDT2000R120 – 2400 watts @ 120V AC 50/60 Hz LVDT2000R277 – 5000 watts @ 277V AC 50/60 Hz
Operating Environment	Indoor use only Operating temperature: 32° to 122°F (0° to 50°C)
Construction	Housing: Rugged, high impact, injection molded plastic; Color-coded leads
Size	4.74 inch (120.4mm) diameter; 3.875 inch (98.4mm) deep
Weight	14.6 oz.
Color	White
Mounting	Sensors may be mounted using a single gang mud ring attached to a 4 inch square electrical box; Recommended max mounting height: 12 ft.
Certifications	UL and cUL listed
Warranty	5 years, limited

Coverage Patterns

Major Motion:  Ultrasonic  PIR Minor Motion:  Ultrasonic  PIR

