



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# OMNI®-BP Line Voltage Dual Technology

CEILING MOUNT OCCUPANCY SENSORS

TITLE  
24  
COMPLIANCE



## PROJECT INFORMATION

Project Name \_\_\_\_\_

Catalog No. \_\_\_\_\_

Date \_\_\_\_\_



OMNIDT2000BP1277

The OMNIDTBP1277 line voltage ceiling sensor combines ultrasonic (US) and passive infrared (PIR) technologies to turn lighting on and off based on occupancy. This dual technology provides accurate turn-ons while virtually eliminating false-offs.

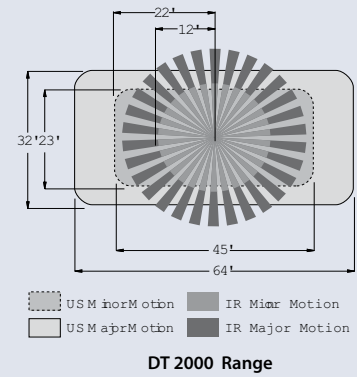
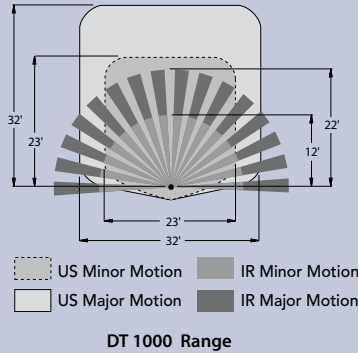
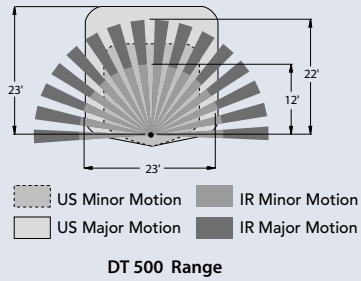
This sensor features Hubbell Controls' patented IntelliDAPT® technology, which makes all the sensor adjustments automatically. Throughout the product's lifespan, smart software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with IntelliDAPT technology provide a maintenance-free install-and-forget operation.

## PRODUCT FEATURES

- IntelliDAPT self-adaptive technology - no manual adjustment required
- All-digital dual technology (ultrasonic [US] and passive infrared [PIR]) sensor
- Non-volatile memory for sensor settings
- 500–2,000 square-foot coverage area (depending on model)
- Self-contained power supply
- Universal voltage (100-277VAC; 50/60 Hz)
- UL and cUL listed
- California Title 24 compliant
- Five-year warranty
- 120-277 Vac



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## General Specifications

IntelliDAPT® Technology	Auto reset from test setting Self-adjusting timer Self-adjusting ultrasonic and passive infrared thresholds Automatic false-on/false-off corrections
LED lamp	Red—infrared motion Green—ultrasonic motion
Timer timeout	Automatic mode: 8–30 min. (self-adjusts based on occupancy) Test mode: 8 seconds (for an easy check at installation)
Ultrasonic (US) output	OMNIDT500: 40kHz output OMNIDT1000 and OMNIDT2000: 32kHz
Passive infrared (PIR)	Dual-element pyrometer and 12-element cylindrical rugged lens
Coverage	500–2,000 square feet (depending on model)
Power requirements	100-277VAC; 50/60Hz
Output	24 VDC active high-logic control signal with short circuit protection
Relay Contact Rating	20A: 120VAC Incandescent 20A: 120 or 277VAC Magnetic Ballast 16A: 120 or 277VAC Electronic Ballast 1HP: 120VAC Motor Load 3/4HP: 277VAC Motor Load
Operating environment	Indoor use only Operating temperature: 32° to 104°F (0° to 40°C) Relative humidity (non-condensing): 0% to 95%
Construction	Casing—rugged, high-impact, injection-molded plastic KJB ABS Cyclac (UL-945VA) flame class rating, UV inhibitors Color-coded leads are 6" long
Size and weight	Size: 4.5" diameter, 3.4" height (114 mm diameter, 86.4mm height) Weight: 8.2 oz (232g)
Color	Off-white
Mounting	Mounting using a 3 inch mud ring attached to 4 inch square electrical box Recommended MAX mounting height: 12ft.
Certifications	UL and cUL listed
Warranty	Five years

## Ordering Information

MODEL	
OMNIDT500BP1277	Line Voltage Ultrasonic and PIR Ceiling Sensor 500 Sq Ft coverage
OMNIDT1000BP1277	Line Voltage Ultrasonic and PIR Ceiling Sensor 1000 Sq Ft coverage
OMNIDT2000BP1277	Line Voltage Ultrasonic and PIR Ceiling Sensor 2000 Sq Ft coverage



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