LIGHTING CONTRO

DT-300 DUAL TECHNOLOGY CEILING SENSOR

DT SERIES OCCUPANCY WITH LIGHT LEVEL SENSOR

DESCRIPTION

The low-profile DT-300 dual-technology occupancy sensor with light level sensor combines the benefits of passive infrared (PIR) and ultrasonic technologies. The sensor mounts in the ceiling with a flat, unobtrusive appearance and provides 360 degrees of coverage.

Using SmartSet™ technology, the DT-300 requires no adjustment at installation. SmartSet™ continuously monitors the controlled space to identify usage patterns. Using this information, it automatically adjusts the time delay and sensitivity settings for optimal performance and energy efficiency. The sensor assigns short delays (as low as 5 minutes) for times when the space is usually vacant, and longer delays (up to 30 minutes) for busier times.

FEATURES

- SmartSet[™] adjusts sensitivity and time delay
- · Walk-through mode turns lights off
- Ultrasonic diffusion technology
- · LED occupancy indication
- · Pluggable terminal wiring





OPERATION

In normal operation, the DT-300 turns lighting on when both the PIR and ultrasonic technologies detect occupancy. It can also work with a low voltage switch for manual-on operation. PIR technology senses the difference between infrared energy from a human body in motion and the background space. Ultrasonic technology uses the Doppler principle and high frequency (40 KHz) ultrasound to sense motion.

Once lighting is on, detection by either technology holds lighting on. When no occupancy is detected for the length of the time delay, lighting turns off.

The DT-300 can also be configured so that one or both technologies are needed to turn lighting on or hold lighting

SPECIFICATIONS

Supply Voltage

DT-300 24 VDC/VAC 43 mA **DT-305** 24 VDC/VAC 35 mA

Ultrasonic frequency 40kHz

SmartSet™ (automatic), fixed Time delays

(5, 10,15, 20, or 30 minutes), walkthrough, test-mode

Sensitivity adjustment SmartSet[™] (automatic) or

reduced sensitivity (for PIR

sensitivity); ultrasonic sensitivi-

ty is variable with trimpot

Light level sensor (DT-300 only)

10 to 300 footcandles (108 to

3230 lux)

Up to $1000 \text{ ft}^2 (92.9 \text{ m}^2)$ Coverage Switch input

Low voltage, momentary for manual ON or OFF operation

Relay Output (DT-300 only)

Isolated SPDT contacts rated for

1A @ 30 VAC/VDC

Mounting options Ceiling tile

4" square junction box with dou-

ble gang mud ring

4.50" fl x 1.02"D (11.3 x 2.5 cm) **Dimensions**

Agency approvals UL and CUL listed

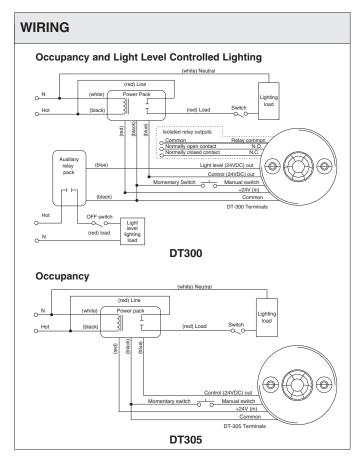
Warranty 5 years

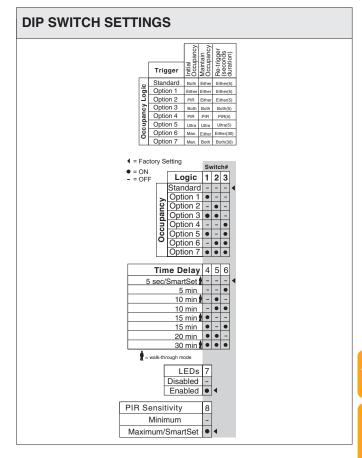
LIGHTING CONTROLS

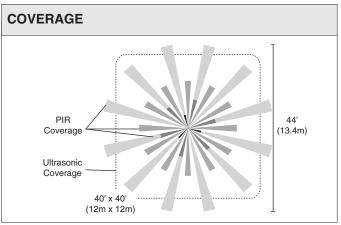
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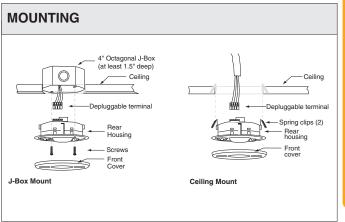








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ORDERING INFORMATION MODEL DESCRIPTION DT-300 Duel technology occupancy sensor with isolated relay and light level actuation **DT-305** Duel technology occupancy sensor with 24 VDC control output only (no light level)