

LIGHTING CONTROLS

WATTSTOPPER OCCUPANCY SENSOR

CI-24



DESCRIPTION

The **Wattstopper CI-24** is a ceiling-mount passive infrared occupancy sensor specifically designed to interface with Building Automation Systems through an internal isolated relay. A user-adjustable OFF time delay (30 seconds to 30 minutes) on deactivation may be programmed through DIP switches to prevent unnecessary cycling. The **CI-24** includes a built-in override switch. Two levels of sensitivity are also selectable through DIP switches. The four-level patented Fresnel lens allows the **CI-24** to cover up to 1200 ft² (111.48 m²).

FEATURES

- **Advanced PIR technology**
- **Adjustable time delay**
- **Adjustable sensitivity**
- **Contains isolated relay SPDT Relay**
- **Patented Fresnel lens**
- **360° coverage up to 1200 ft² (111.48m²)**
- **Red LED indicates occupancy detection**
- **Five-year warranty**
- **Manual override switch**



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OPERATION

Powered by 24 VAC/VDC, the **Model CI-24** uses advanced PIR technology to detect occupancy. Detection occurs when the unit senses the difference between infrared emissions from a human body and the background space. When occupancy is detected, the **Model CI-24** transfers an SPDT contact set. The contacts return to their normal state after a user-selectable time delay once the space is unoccupied.

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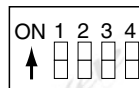
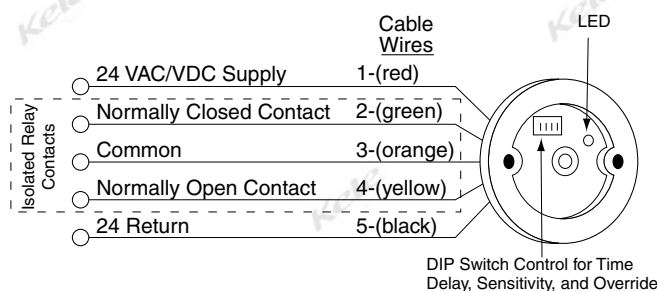
SPECIFICATIONS

Supply Voltage	24 VAC ±10% @ 1 VA, 24 VDC ±10% @ 37 mA
Relay Output	SPDT, Isolated Dry Contact 24V (AC/DC) @ 1A
Technology	Temperature compensated, Passive Infra-Red (PIR) w/ Fresnel lens
Occupied Mode (Occ)	Occupied-Auto ON w/Time Delay OFF
Approximate Coverage Pattern	360 degrees, 1200 ² ft. 8' ceiling/44' dia circle
Sensitivity	Selectable High or Low
Override	Dip switch 4 (ON = Relay Energized)
OFF Delay Time (TD)	Selectable, 30s, 10m, 20m or 30m
Indication	Red LED (ON w/ motion)
Mounting	Ceiling 2.75" to 3" hole
Color	White
Operating Temperature	32° to 98°F (0° to 36°C)
Operating Humidity	10-95% RH non-condensing
Wiring	5 Pig tails
Enclosure Rating	Indoor, No rating
Dimensions	3.3" dia x 2.2" deep (8.5 x 5.6 cm), Extends 0.4" from ceiling
Weight	1.0 lb. (0.46 Kg)
Approvals	UL File #E101196
Warranty	5 years

ORDERING INFORMATION

MODEL	DESCRIPTION
CI-24	Ceiling-mount occupancy sensor with SPDT isolated contact

WIRING



DIP SWITCH #	1	2	3	4
TIME DELAYS				
30 sec	X	X		
10 min.	X	O		
20 min.	O	X		
▶ 30 min.	O	O		
SENSITIVITY				
▶ Minimum			O	
Maximum			X	
OVERRIDE				
▶ Normal				O
Override				X

▶ = factory setting

X=on

O=off

Note: Exceeding voltage rating may damage sensor.