

LIGHTING CONTROLS

OCCUPANCY SENSOR

MODEL CI-24



DESCRIPTION

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

FEATURES

- **Advanced PIR technology**
- **Adjustable time delay**
- **Adjustable sensitivity**
- **Isolated relay for use with BAS and other control systems**
- **Patented Fresnel lens**
- **360-degree coverage up to 1200 ft² (111.48m²)**
- **Red LED to indicate occupancy detection**
- **Five-year warranty**
- **Manual override switch**

SPECIFICATIONS

Power supply	24 VDC
Power consumption	37 mA
Time-delay adjust	Digital (DIP switch setting) for 30 seconds, 10 minutes, 20 minutes, or 30 minutes
Coverage	360 degrees up to 1200 ft ² (111.48m ²)
Color	White
Isolated contact rating	1A @ 24 VDC, 24 VAC 1/2A @ 120 VAC
Agency approvals	UL and cUL listed
Operating temperature	32° to 98°F (0° to 36°C)
Mounting	2.75" to 3" hole in ceiling
Dimensions	3.3" dia x 2.2" deep (8.5 x 5.6 cm), protrudes approximately 0.4 from ceiling surface
Weight	1.0 lb (0.46 kg)

ORDERING INFORMATION

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

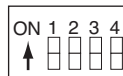
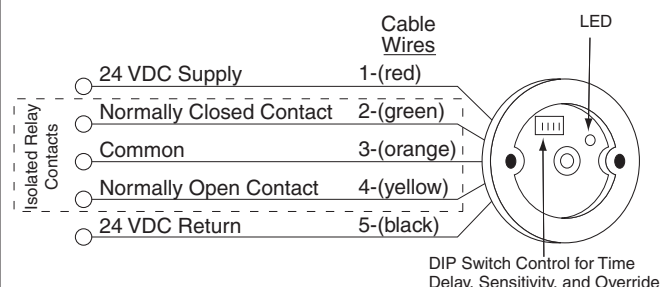
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OPERATION

Powered by 24 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.

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	

X=on O=off

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