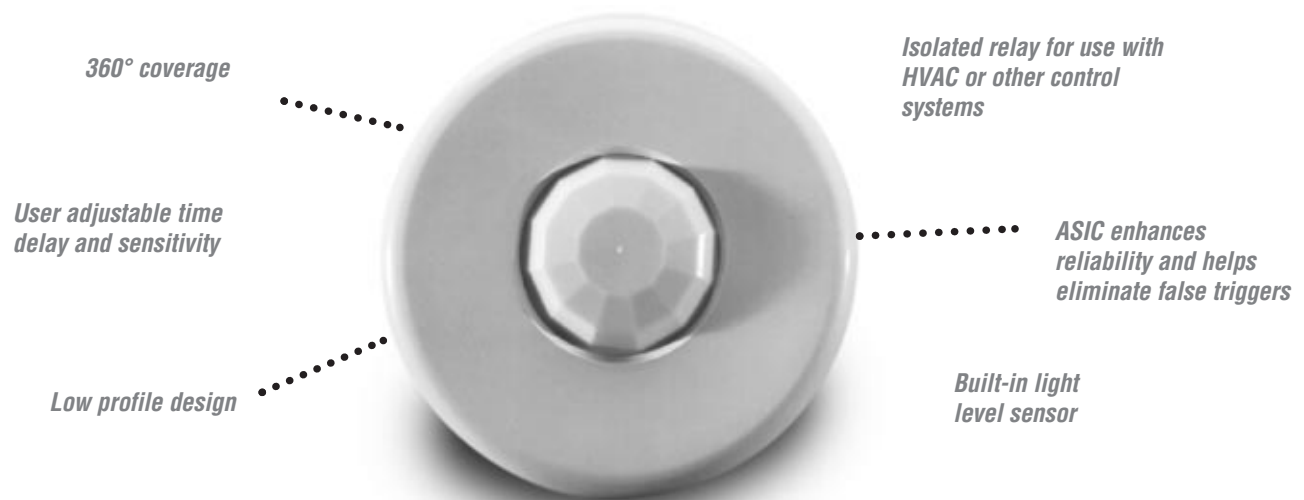




# CI-200 360° Passive Infrared Sensor



## Product Overview

### Description

The Watt Stopper's CI-200 and CI-205 are passive infrared occupancy sensors that provide 360° coverage. The low profile sensors reliably control lighting in a variety of applications.

### Operation

The CI-200 sensors are 24 VDC and control lighting through Watt Stopper power packs. They operate by turning lighting on when a person enters the controlled area. Occupancy is sensed when the unit detects a change in infrared heat within the controlled area. After the area is vacated for a user-adjustable time delay, lighting automatically turns off.

### Coverage

Coverage for the sensors can reach up to 1200 square feet using the Extended Range lens and 500 square feet using the High Density lens (circular pattern) for walking motion. For typical desktop level activity, coverage can reach up to 300 square feet.

### Applications

Applications include open office spaces, computer rooms, conference rooms, classrooms, and warehouses. Areas with high ceilings or with two-level lighting can also be controlled. Due to low initial cost and the great energy saving potential, the sensors offer fast paybacks.

## Features



www.wattstopper.com  
800.879.8585

- ASIC technology reduces components and enhances reliability
- Pulse Count Processing eliminates false offs without reducing sensitivity
- Detection Signature Analysis eliminates false triggers and provides immunity to RFI and EMI
- Low-profile design ensures a clean and uncluttered ceiling appearance
- User-adjustable time delay from 15 seconds to 30 minutes by 2 minute increments
- Sensitivity is programmed through a DIP switch and has 4 settings from minimum to maximum.
- Light level output can create bi-level lighting for added convenience and energy savings
- Isolated relay can be used to interface with HVAC, EMS, or with an additional lighting load
- LED indicates occupancy detection



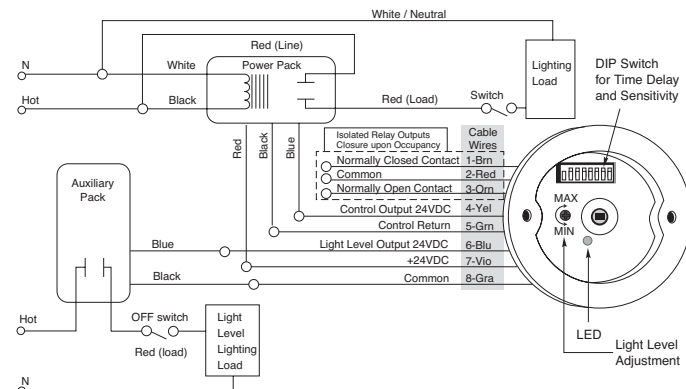
# CI-200 Technical Information

## Specifications

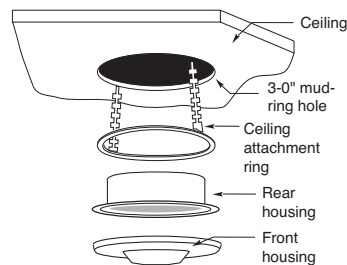
- Dual-element, temperature compensated pyroelectric sensor
- CI-200 contains isolated relay with N/O and N/C outputs; rated for 1 Amp at 24 VDC/VAC
- Digital time delay adjustable from 15 seconds to 30 minutes with  $\pm 2\%$  tolerance
- Integrated light level sensor – works from 4 to 190 footcandles
- Units per power pack: CI-200 up to 5(B), up to 7 (BZ); CI-205 up to 10 (B), up to 13 (BZ)
- Dimensions: 3.3" diameter x 2.2" deep (85mm x 56mm), extends approximately .36" from ceiling
- UL and CUL listed; five year warranty

## Wiring & Mounting

### Wiring Diagram



### Mounting

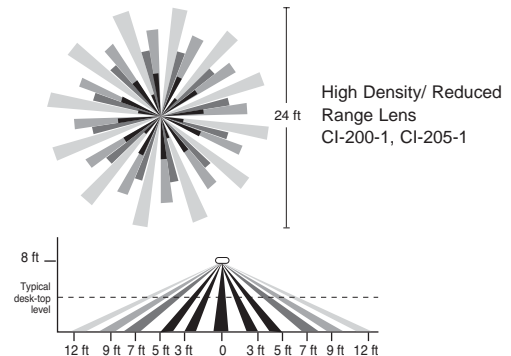
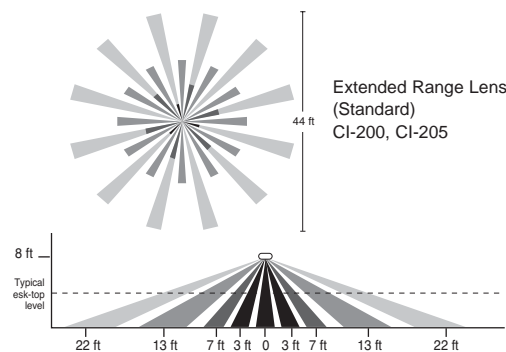


### DIP Switch Settings

DIP Switch #	1	2	3	4	5	6	DIP Switch #	7	8
Time delay							Sensitivity		
15 seconds	●	●	●	●	●	●	Minimum	—	—
2 minutes	—	—	—	—	—	—	Medium Low	—	—
4 minutes	—	—	—	—	—	—	Medium High	—	—
6 minutes	—	—	—	—	—	—	Maximum	●	●
8 minutes	—	—	—	—	—	—			
10 minutes	—	—	—	—	—	—			
12 minutes	—	—	—	—	—	—			
14 minutes	—	—	—	—	—	—			
16 minutes	—	—	—	—	—	—			
18 minutes	—	—	—	—	—	—			
20 minutes	—	—	—	—	—	—			
22 minutes	—	—	—	—	—	—			
24 minutes	—	—	—	—	—	—			
26 minutes	—	—	—	—	—	—			
28 minutes	—	—	—	—	—	—			
30 minutes	—	—	—	—	—	—			
Override									

● = ON    — = OFF  
▶ = Factory Presets

## Coverage



## Ordering Information

Catalog No.	Description	Voltage	Current	Coverage
CI-200	PIR; light level, isolated relay; Extended Range Lens	24 VDC	20 mA	up to 1200 sq ft; 360°
CI-200-1	PIR; light level, isolated relay; High Density/Reduced Range Lens	24 VDC	20 mA	up to 500 sq ft; 360°
CI-205	PIR; Extended Range Lens	24 VDC	11 mA	up to 1200 sq ft; 360°
CI-205-1	PIR; High Density/Reduced Range Lens	24 VDC	11 mA	up to 500 sq ft; 360°
MB-1	Industrial Mounting Bracket (recommended for use with -3 and -4 lenses)			
MB-2	Industrial Mounting Bracket for HID fixtures			