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ADAPTABILITY IN LIGHTING CONTROL

General Description

The GENCPS1000 ceiling-mounted Passive Infrared (PIR) Occupancy Sensor is ideal for making energy savings.

Using PIR technology, this device uses a direct line of sight to detect occupancy. Adhesive masking strips can be applied to the lens to manually limit the field of view. The PIR sensor is highly resistant to false ON events. When the room or area is no longer occupied, the sensor turns OFF lighting after a preset time delay.

The low profile sensor is ceiling-mounted for greatest sensitivity to motion in large areas with obstructions. With a 360-degree field of view and up to 1000 square feet of coverage area, the ceiling-mounted PIR Occupancy Sensor is ideal for conference rooms, classrooms, bathrooms, and office areas.

These ceiling-mounted sensors also incorporate an integral light level sensor to prevent lighting from switching ON when sufficient ambient light is present, such as is commonly found in windowed areas.
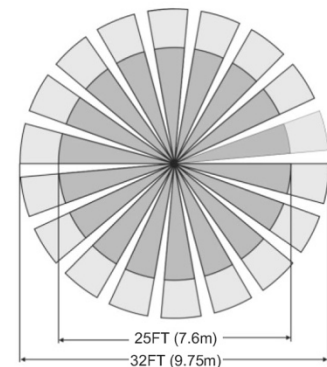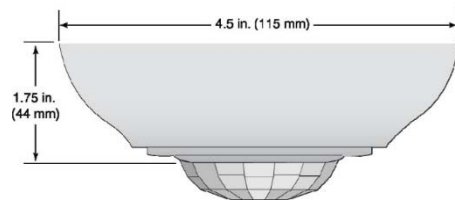
Installation and configuration is simple. The sensor readily mounts to drop ceilings and features front located adjustments for setting sensitivity and time delay. The sensor also features an isolated relay for use with building automation and HVAC systems.
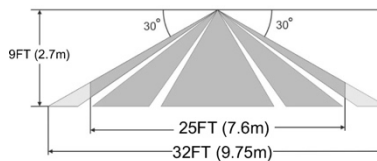
Features

- PIR motion detection
- Adjustable motion sensor sensitivity (45 to 100%)
- Ambient light level control system
- Adjustable light level control (0.5 to 250 fc (5.4 to 2691 lux))
- Adjustable delay OFF time (15 sec. to 20 min.)
- Turns the load ON manually if sensor has failed.
- 24VDC input
- EMS function: Isolated relay

Sensor Measurements

4.5 in. (115 mm)

1.75 in. (44 mm)

Side View

30°   30°

9FT (2.7m)

25FT (7.6m)
32FT (9.75m)

☐ Major Motion
▨ Minor Motion

25FT (7.6m)
32FT (9.75m)

☐ Major Motion
▨ Minor Motion

Specifications

Illumination Range	0.5 to 250 footcandles (5.4 to 2691 lux)
Detection Area	1000 square-feet (93 m^2)
Power Input	24VDC/AC
EMS Output	1 x 1A @ 24VDC Resistive
Current Consumption @ 24VDC	22mA Nominal
Operating Temperature	32 to 122°F (0 to 50° C)
Maximum Humidity	90% RH Non-condensing
Standard	UL and cUL Listed Title 24 Certified

Project Name		Date	
Project No.			

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Wiring Diagram

Ordering Information
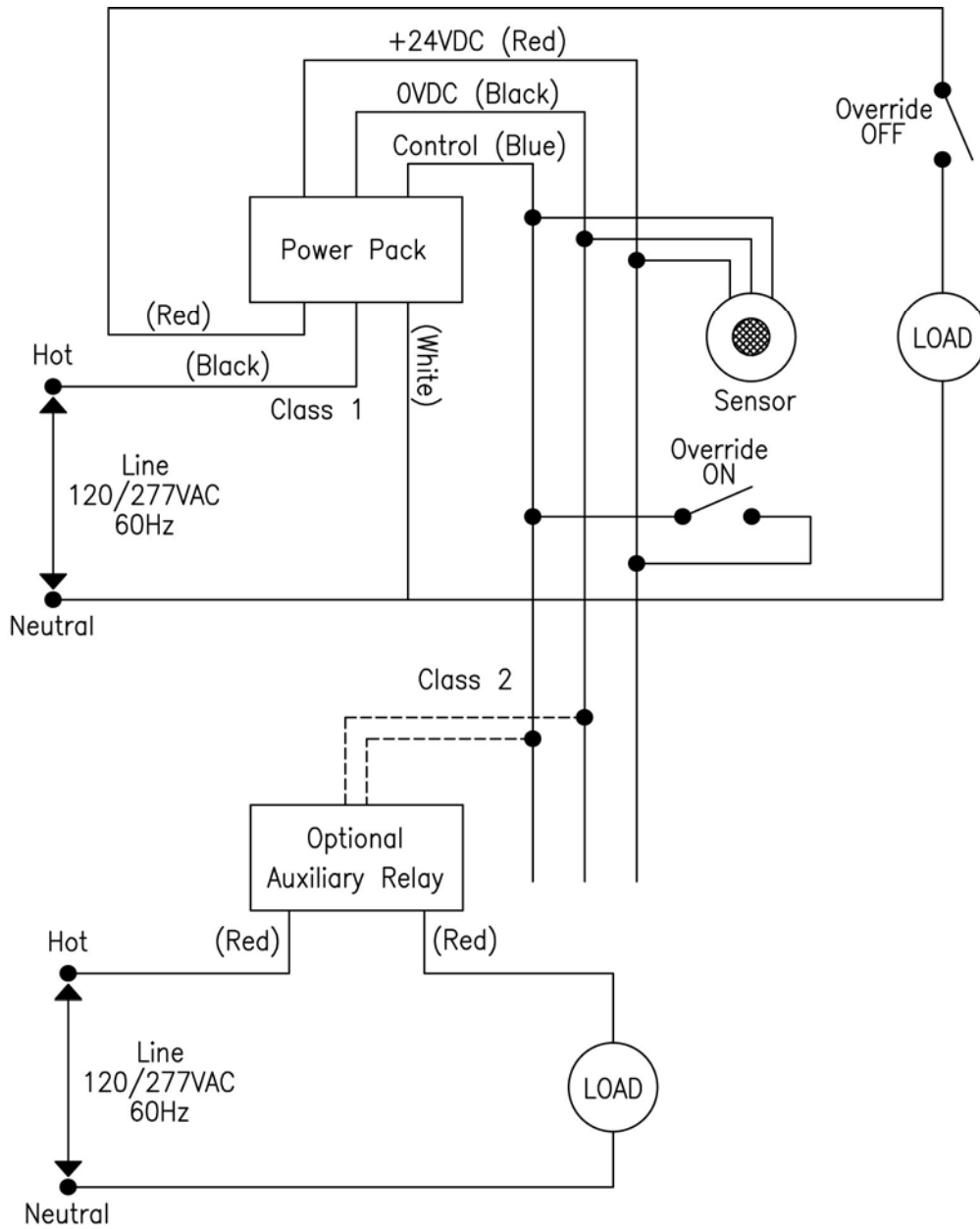
Part Number	Kameleon Model No.	Description
29184	GENCPS1000	Ceiling-Mounted PIR Occupancy Sensor
29189	GENPP1277	Power Pack 120/277
29190	GENPP1347	Power Pack 347
29191	GENAUX24	Auxiliary Relay 120/277
29192	GENAUX24347	Auxiliary Relay 347

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