SPECIFICATION

AC supply: 220V-240V/5OHz
360º circular, 8M diameter detection range at 2.4M height
Incandescent switched load: 1000 W
Fluorescent switched load: 50O W
Low consumption bulbs switched load: 400 W
Time adjustment: 10 sec. - 10 min.
Photocell adjustment: 2 lux - ∞
Sensitivity adjustment: 2-4M radius
Indoor use only.
12V Halogen electronic and wire wound transformers switched load 600W Max.

TROUBLESHOOTING

Lights Do Not Turn On
1. Check that the power is on.
2. Check that bulbs and fixtures are working properly.
3. Confirm that the sensor's wiring is done exactly as shown in the diagram.
4. Check if the Ambient light setting is for a darker background than that present.

Light Goes On and Off Quickly
1. Make sure lights are not reflecting back into the sensor. Check for white or reflective surfaces in the protection pattern and correct the situation.
2. Note that the sensor is more sensitive in a colder environment since infrared energy is easier to detect in cold temperature.

Lights Do Not Turn Off
1. Make sure unit is wired correctly.
2. Check that the time delay control is set to minimum.
3. Stay completely out of the protection pattern to avoid activating.
4. Make sure unit is not aimed at something that would cause a temperature change such as air conditioner or heating vents.
5. Make sure line voltage has not reduced below 215V. If voltage is not adequate, sensor will not operate properly.

Maintenance and Repair
1. Do not attempt to repair motion sensor light unit. This may damage the system (thus invalidate your warranty) or result in personal injury.
2. Clean your sensor with clean damp cloth, wiping exterior surface and lens only.

PRODUCT WARRANTY / 12 MONTHS

The PDL Cat. 100 CF360 Ceiling Flush Mount Occupancy Sensor has a 12 month warranty from the date of purchase providing the unit is installed according to these instructions, local wiring regulations and Codes of Practice. This warranty is void on any unit which has been tampered with, damaged by accident, improper operation or incorrect installation.
This guarantee is in addition to, and does not in any way affect the rights under the Consumer Guarantees Act 1993, if the ACT applies to the supply of this product and you are not acquiring the product for a business use. If the ACT applies and any term is inconsistent with the terms or requirements of the ACT that term shall be invalid without affecting the remaining terms of the warranty.
Note: Under the CGA 1993, Schneider Electric advises that this product does not contain user serviceable components thus spare parts and repair facilities are not available.
In the event of a warranty claim, the product must be returned to the point of purchase or direct to Australia/New Zealand distributors together with the proof of purchase.

PDL CEILING FLUSH MOUNT OCCUPANCY SENSOR

INSTALL AND CONSUMER OPERATING INSTRUCTIONS FOR CAT 100 CF360
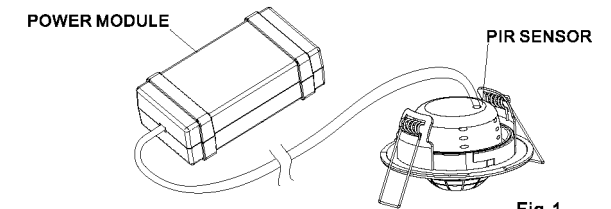

POWER MODULE   PIR SENSOR   Fig.1

FEATURES

The Cat 100 CF360 Passive Infrared (PIR) Senor is suitable for automatic switching or security applications in domestic, commercial or industrial premises. The Sensor has a 360º circular 8m diameter detection range at 2.4m height.

Switching capacity is 1000W incandescent 500W fluorescent and 400W low consumption bulbs lighting load.

The sensor controlled light is switched ON when infrared radiation from a moving target is detected and OFF when movement stops and after a pre set time delay time. Time delay is adjustable between 10 seconds -10 minutes. The sensor has a Lux (light level) adjustment. The sensor is intended for ceiling mounting.

INSTALLATION

Note: If you are not sure about any part of these instructions, consult a qualified electrician.

Avoiding HVAC turbulence. When Heating, Ventilating or Air Conditioning (HVAC) registers turn on, they create turbulence which can cause the sensor to activate. It's important that the sensor and HVAC register be separated by at least 1 M.
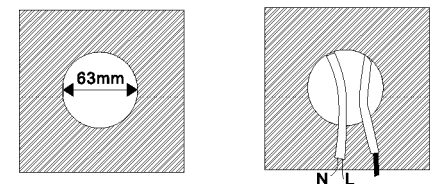

63mm   N L   Fig.2

1. Turn OFF power at the circuit breaker or fuse.
2. Determine the best location for the sensor.
3. Drill a 63mm diameter hole in the ceiling. The thickness of the ceiling must be between 5 and 25.4mm.
4. Connect as shown in wiring diagram figure 3 below.
5. Insert the power module into the ceiling first and then fix the sensor with metal spring as shown in figure 4.

CONNECTION TO POWER SUPPLY

Fig.3

MOUNTING IN CEILING

POWER MODULE

CEILING 5-25mm

Fig.4
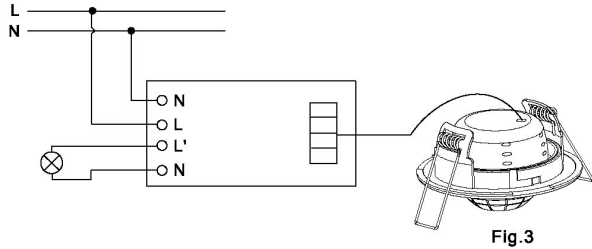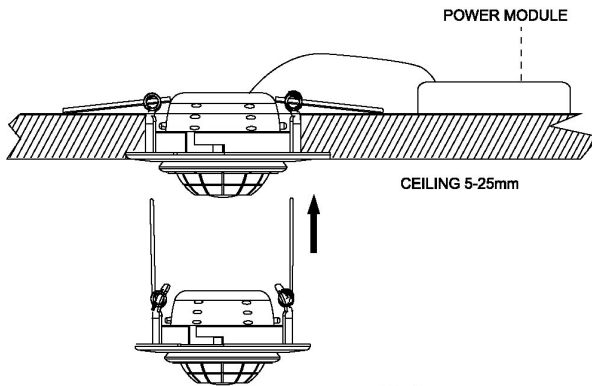
SETUP AND ADJUSTMENT

The 100 CF360 ceiling flush-mount occupancy sensor monitors rapid change in temperature within its field-of-view and is designed to turn lights ON when temperature changes (such as a person entering a room) are detected, and OFF when occupancy is no longer detected and the scheduled time-delay setting has expired.

Because the 100 CF360 responds to temperature changes, care should be taken not to mount the sensor directly above a heat source, or where hot/cold drafts will blow directly to the sensor, or where adjacent traffic (like hallway activity) will be within the sensor's detection range.

Note: After power is turn ON from the circuit breaker or fuse, allow 1 min for this unit to warm up before performing Time-Delay settings.

Fig.5
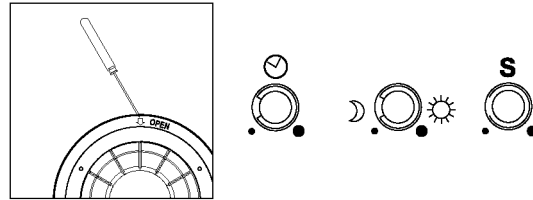
"☀" Ambient Light Control: This control allows the 100 CF360 to keep light on during sunny days or to operate only during low light levels. Ideally it should be set at dusk or in the light conditions under which the sensor and lights are expected to operate.

"☉" Time Delay Control: This control allows adjustment of the delay time from 10 sec. to 10 min. Timer starts working after the LAST movement is detected. While there is movement from the heat source in the detection area the light will remain on and the time will keep resetting.

" S " Sensitivity Control: This control allows adjustment of the detection range from 2M radius to 4M radius maximum at 2.4M height. If the unit is being activated by HVAC or other infrared sources (others than people), reducing the sensitivity may help.


Fig.6

Fig.7
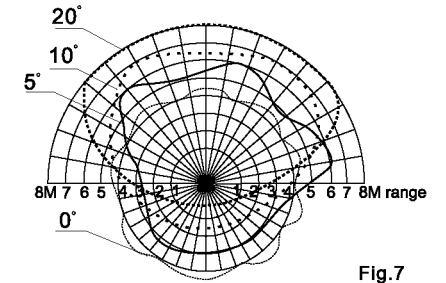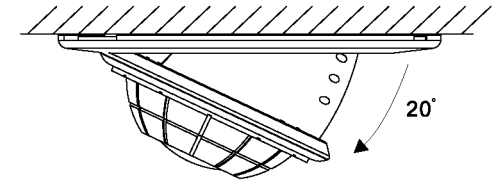
1. Tilt the sensor head, you'll find three adjustment controls. Turn the "☉" control to minimum, "☀" control to maximum and " S " (Sensitivity) control to maximum.

2. Walk in front of the sensor until the light come on. This checks the operation of the sensor and field-of-view. Once the light comes on, move to a new position and stand still until the light goes out (approx 5-10 seconds.)

3. Repeat step 2 and adjust the Sensitivity Control which modifies the detection range. Also tilt the angle of the sensor head to achieve the optimum field-of-view if necessary.

NOTE: Masking the Lens: After adjustment, if the sensor's location give it a view of other unwanted area, the sensor's detection zone is able to be restricted by fitting the plastic shroud. Cut the shroud according to which field-of-view is required as figure 8.

Fig.8
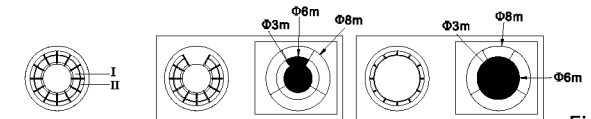
4. Turn the "☉" Time-Delay and "☀" Ambient Light controls to the desired positions for AUTO operation.

LED indication:
Internal LED indication (behind the lens) will remain on when the detector is activated.