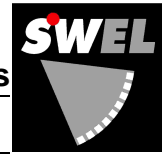


"Mini" Occupancy Sensor PIR-Classic

Details



Passive Infrared Motion Detector

GREi.c



Operating Principle

The "Mini" Occupancy Sensor Type PIR works based on the Passive Infrared Principle (PIR).

It senses occupancy by detecting the difference between the heat emitted from the human body and the background space. A special lens divides the coverage into zones. A person passing these zones is "seen" by the sensor as (heat-)flashes.

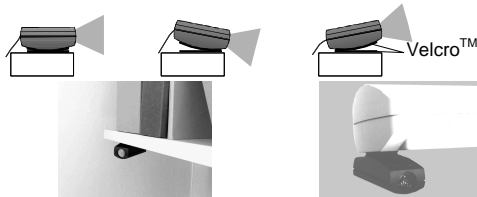
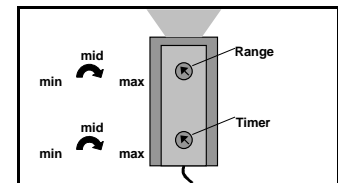
With sufficiently numerous and strong flashes the sensor will switch into the "occupied" mode. If there is no more motion detected for a certain period of time, the occupied signal is cleared again.

Detected motion is monitored by a LED visible on the side.

- **best application: hallways, corridors, entries**
- **also good for offices and warehouses (preferably placed in a corner)**

Adjusting Range and Timer

Pre-settings can be altered with the help of a small screw driver if required. The adjusters can be reached through two openings in the bottom of the sensor case: Adjust the Range (Sensitivity) at the front (sensor) side and the Timer at the rear (cord) side.



Easy to attach without tools

The lightweight sensor can be attached to any surface with Velcro™. The curved bottom of the sensor's plastic case permits the user to adjust the angle of detection for best sensitivity. Surface must be clean, dry and non-greasy.

You can remove the sensor without leaving a trace. Your furniture and equipment will not be damaged.

Problems?

The LED does not blink, even if you wave your hand across the coverage:

- Check if the sensor is plugged to the power module that goes with it correctly, and that there is no power failure.

The sensor does not "see" you or does not reliably "see" you:

- Check that the sensor's view is not obstructed (e.g. pile of books). If so, attach the sensor a bit higher.
- Increase the sensitivity (range adjuster).

The LED blinks, even when the covered area is unoccupied:

- Take into account that many pets emit heat radiation.
- Heaters or radiators in the background space can trigger the sensor as well as warm or cold airflow from open doors, windows or working air conditioners. Re-direct the sensor or reduce the sensitivity (adjuster).

Specifications

- Range approx. 5m - 10m (15' - 30') adjustable
- Angle of view 90°
- Timer 2sec ... 2min adjustable
- LED: on = motion
- Power on time 5sec
- Case black, 34mm x 28mm x 66mm (1.3" x 1.1" x 2.6")
- Cord length 1,90 m (6.5'); Weight 50g (2oz.)
- Power supply 5V DC (+/-5%), 15mA typ. (20mA max.)
- As many SWEL Occupancy Sensors Type PIR as you like can operate in the same room
- For indoor use in a dry environment
- RoHS compliant

SWEL is constantly improving its products and reserves the right to make changes in the product design without notification.

