PIR sensors are used to detect motion from pets/humanoids from about 20 feet away (possibly works on zombies, not guaranteed). This one has an adjustable delay before firing (approx 2-4 seconds), adjustable sensitivity and we include a 1 foot (30 cm) cable with a socket so you can easily reposition the sensor or mount it using the two holes on either side.

Runs on 5V-12V power (if you need to run it off of 3V you can do that by bypassing the regulator, but that means doing a bit of soldering). Digital signal output is 3.3V high/low. Sensing range is about 7 meters (120 degree cone).

For a full tutorial with wiring diagrams, CircuitPython and Arduino code examples and project ideas, PIR sensor tutorial page!

Downloaded from Arrow.com.
TECHNICAL DETAILS

Dimensions:
- Length: 24.03mm/0.94in
- Width: 32.34mm/1.27in
- Screw hole distance: 28mm
- Screw hole diameter: 2mm
- Height (with lens): 24.66mm/0.97in
- Weight: 5.87g/0.2oz

PIR sensors and the Raspberry Pi 3 sometimes don't get along - if you're having false trigger reports, make sure the PIR Sensor is far away from the Pi 3

For a full tutorial with wiring diagrams, CircuitPython and Arduino code examples and project ideas, PIR sensor tutorial page!

LEARN

PIR Motion Sensor
Pyroelectric ("Passive")
InfraRed Sensors

Sitcom SFX Door Trigger
A sitcom soundtrack for your life

Adafruit's Raspberry Pi
Lesson 12. Sensing Movement
Sense movement and doors opening with your Raspberry Pi

Adafruit's Raspberry Pi
Lesson 13. Power Control
Control 110V devices from your Raspberry Pi

Arduino Lesson 17. Email Sending Movement Detector
Use an Arduino to send an email, whenever movement is detected with a PIR sensor.

Trinket Bluetooth Alarm System
Use the Trinket to build a custom wireless alarm system

Trinket-Powered Conference Room Occupancy Display
A LED matrix project that displays when a room is occupied

Wireless Security Camera with the Arduino Yun
Build your own wireless security camera using the Arduino Yun & a USB webcam!

Halloween Scream Box
What's in the box? Open it and find out! AHHHHhhhh!!

Magical Mistletoe
Step under the mistletoe and you'll get more than a kiss--the berries light up!
A Sillier Mousetrap: Logging Mouse Data to Adafruit IO with the Raspberry Pi
How to outfit a simple live trap with sensors and data-logging, and quantify the vermin in your life.

Motion-Activated Solder Fume Extractor With Lamp
Removes those pesky fumes whenever you reach for the iron.

Adafruit IO Home: Security
Protect against intruders by building a security system for a cardboard smart home using Adafruit IO.

HalloWing All-Seeing Skull
This skull is keeping an eye on you...

AdaBox 009
Explore and use the contents of your AdaBox 009

MAY WE ALSO SUGGEST...

- ADXL326 - 5V ready triple-axis accelerometer (+-16g)
- Sensor pack 900
- IR distance sensor includes cable (10cm-80cm)
- ADXL335 - 5V ready triple-axis accelerometer (+-3g)
- IR distance sensor includes cable (20cm-150cm)
- ADXL345 - Triple-Axis Accelerometer
- Maxbotix Ultrasonic Rangefinder - LV-EZ1
- IR Distance Sensor - Includes Cable (100cm-4m)
- Sharp GP2Y0D810Z0F Digital Distance Sensor with Magnetic contact switch (door sensor)
- Adafruit VL6180X Time of Flight Distance Ranging

EXPAND TO SEE DISTRIBUTORS

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"Striving for excellence motivates... striving for perfection is demoralizing" - Harriet B. Braiker