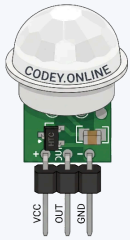


Part 10 of 15



Motion sensor (PIR)

Sees if someone is moving

In your kit: 1x

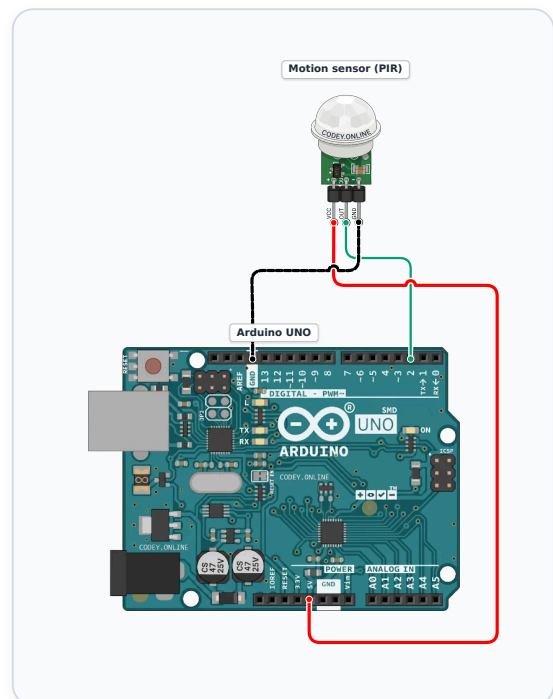
What is it?

A PIR sensor senses the warmth of people and animals. Is something warm moving in front of the sensor? Then its output becomes HIGH. This is how lights work that turn on by themselves when you walk by.

This is how you connect it

- **OUT** to a pin, for example D2
- **VCC** to 5V
- **GND** to GND

Wiring diagram



- Arduino UNO · 5V → Motion sensor (PIR) · VCC
- Arduino UNO · GND → Motion sensor (PIR) · GND
- Arduino UNO · D2 → Motion sensor (PIR) · OUT

What can you do with it?

- A burglar alarm
- A light that turns on when you come in
- Count how often someone walks by

Tip

After starting up, the sensor needs a few seconds to get used to the room. Stand still for a moment.

Projects with this part

★★★ Motion alarm