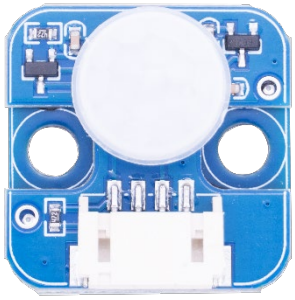
MATRIX PIR Motion Sensor
MS-012

1.Feature

· Human Sensing.
· Low Power Consumption.
· Sensor Feedback.



2. Application

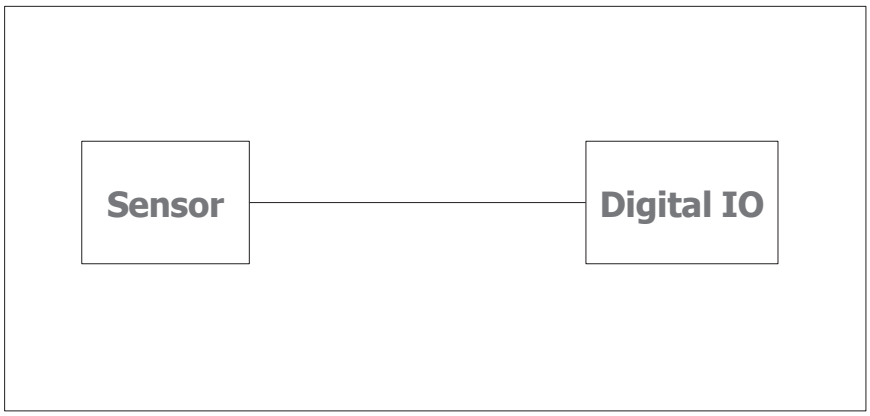
· Home automation.
· Easy to Use

3. Introduction

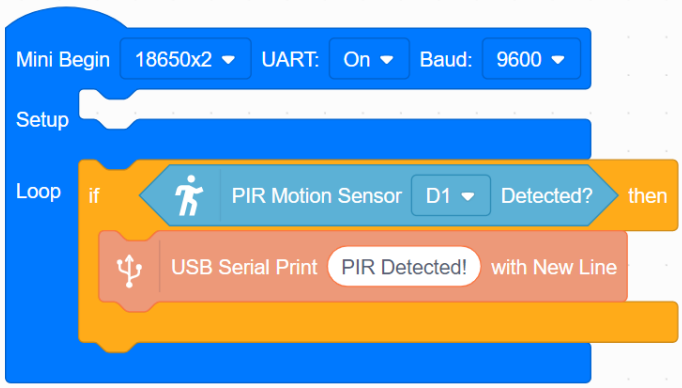
The PIR Motion Sensor detects motion by sensing infrared radiation from humans and animals.

It identifies heat signature changes within 7 meters and a 100-degree angle. It is ideal for home automation.

4. Block Diagram



4.Example Code of Block and C++




```ino
#include "MatrixMiniR4.h"

void setup()
{
  MiniR4.begin();
  MiniR4.PWR.setBattCell(2);
  Serial.begin(9600);
}

void loop()
{
  if(MiniR4.D1.getL())
  {
    Serial.println("PIR Detected!");
  }

}
```

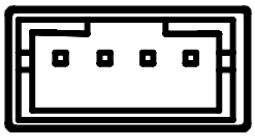
· After download program into controller, open Serial Monitor to observe.

5. Hardware Spec

· Voltage: 3.3v – 5v

· Current: 15μA

· Return Value: LOW, HIGH (False, True)



1 4

JST PH2.0

Pinout-Digital Out			
NO.	Name	I/O	Description
1	DOUT	I/O	Digital output
2	NC	-	NC
3	5V	O	Supply voltage
4	GND	-	Supply ground