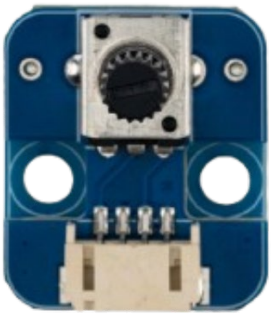
MATRIX Potentiometer Sensor

MS-013

1.Feature

· Position Sensing.
· Adjustable Inputs.
· Sensor Feedback.



2. Application

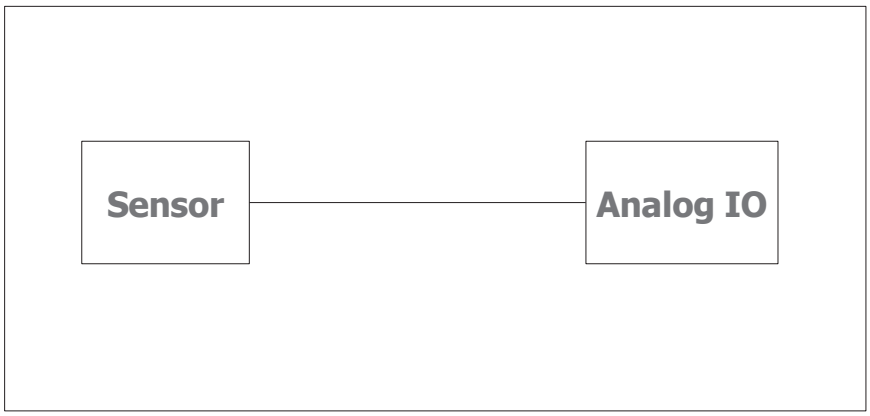
· User Linear Input control
· Easy to Use

3. Introduction

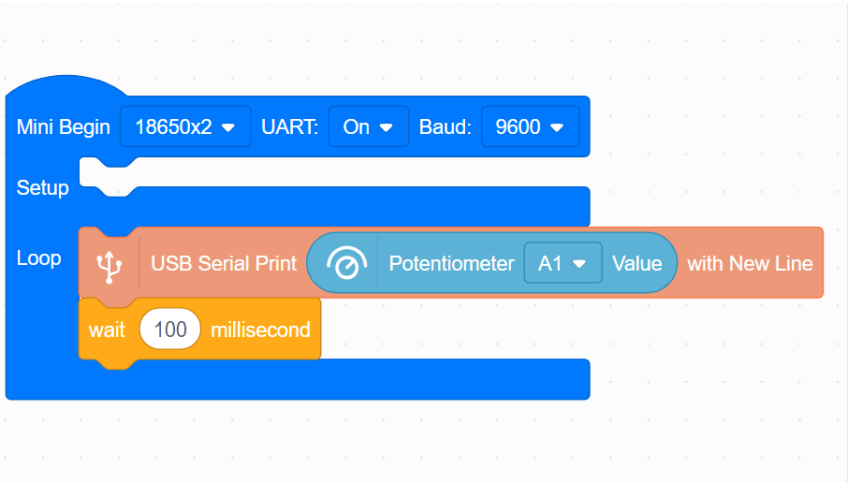
The Potentiometer sensor produces analog output between 0 and 5V on Pin A. The Pin B is not used.

The angular range is 300 degrees with a linear change in value.

4. Block Diagram



4.Example Code of Block and C++



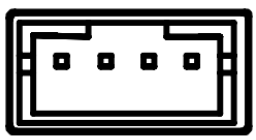

```
#include "MatrixMiniR4.h"

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

void loop()
{
  Serial.println(MiniR4.A1.getAIL());
  delay(100);

}
```

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

5. Hardware Spec

· Voltage: 3.3v – 5v

· Return Value: 0 - 1024



1 4

JST PH2.0

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