Hall Magnetic Sensor
with Digital & Analog out

The Hall sensors Magnetic has a single signal output pin, can be used for motor speed, position detection, wind speed and so on. Working voltage 5V DC. Compatible in all gizDuino boards and other arduino mcu.

Specifications:

Input Voltage: 5V DC
Sensor: 3114 Halls sensor
On board IC: LM393
PCB Dimensions: 32 mm x 11mm

Wiring Connections:

GizduinoV to Hall Magnetic Sensor

+5V	**5V**
D4	**OUT**
GND	**GND**

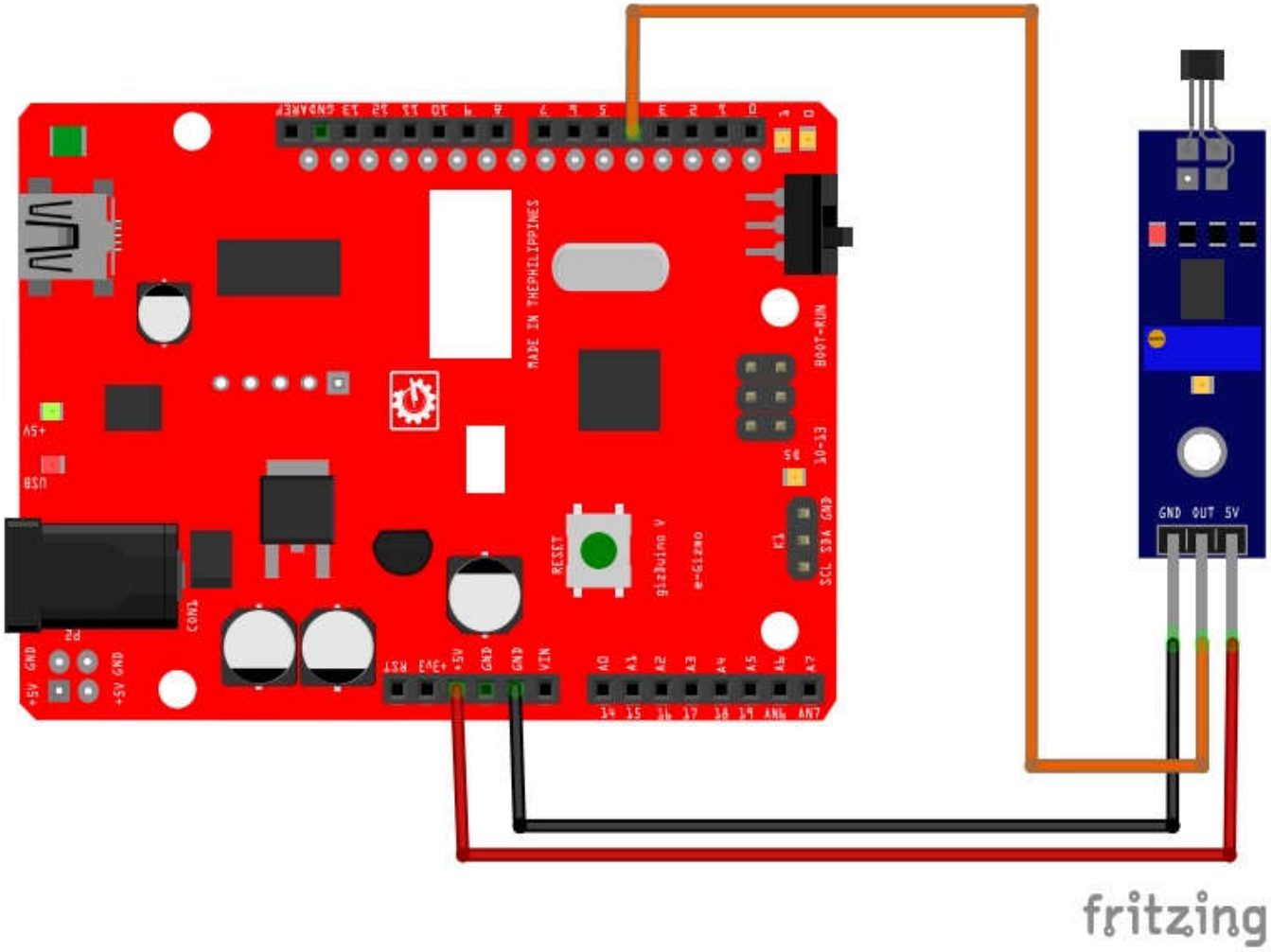

Figure 1. Sample Wiring Diagram with GizDuino V ATmega328P.

```
//*****************************************//
//         Hall Magnetic Sensor            //
//                                         //
//    This is a sample sketch is for       //
// reading the digital output from the     //
// module and display it on the Serial     //
// Monitor.                                //
//                                         //
//             Codes by:                   //
//      e-Gizmo Mechatronix Central        //
//        http://www.e-gizmo.net           //
//          Novemver 5, 2017               //
//*****************************************//

// digital pin 4 has the Sensor attached to it. Give it a name:
int hallMagneticSensorPin = 4;

// the setup routine runs once when you press reset:
void setup() {
  // initialize serial communication at 9600 bits per second:
  Serial.begin(9600);
  // make the thermal Sensor's pin an input:
  pinMode(hallMagneticSensorPin, INPUT);
}

// the loop routine runs over and over again forever:
void loop() {

  // read the input pin:
  int pinState = digitalRead(hallMagneticSensorPin);

  // print out the state of the button:
  Serial.println(pinState);

  delay(1);        // delay in between reads for stability
}
```

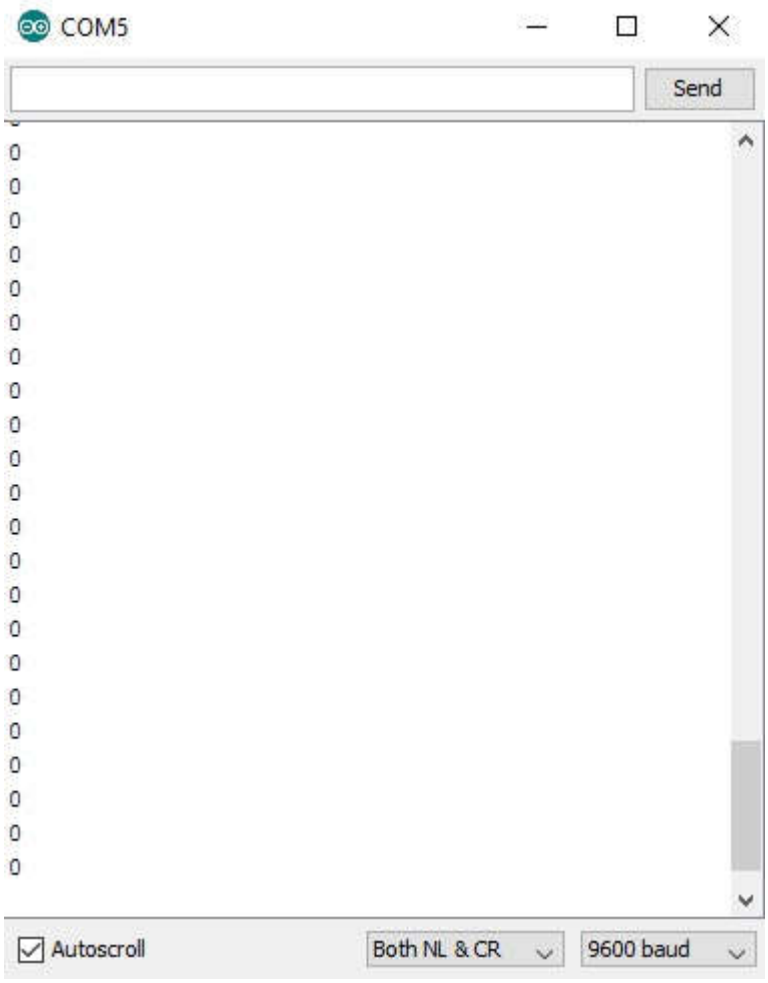

Figure 2. On the Serial monitor you can see the output of the Hall Magnetic sensor.