



Linear Hall Effect Sensor

ARD2-2224

- Detects magnetic fields
- Features everything needed to operate, including an LED

Description

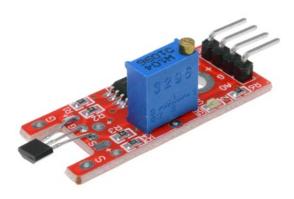
This sensor is used to detect magnetic fields. The current, and thus the voltage, running through the sensor is changed in relation to the presence of a magnetic field. This sensor is designed so it can tell you the amount the voltage has changed as an analog output, and if the voltage has changed as a digital output. Since the sensor can provide digital and analog outputs, there is a surprising amount you can do with it. You can easily make a working sensor, or make a much more complicated one.

This sensor is built in such a way that the sensor itself has everything needed to operate, including an LED. As such, you can get a basic magnetic switch with nothing more than a 5V battery by connecting the magnet ports to the + and G pins. When a magnet is brought close to the sensor, the voltage will change and send a signal to the sensors integrated LED, telling it to light up.

Specifications	
Colour	Red
Material	PCB

Pinout

Module	Arduino	Function	
AO	AO	Analog Output	
G	GND	Ground Connection	
+	5V	Power Supply	
DO	D3	Digital Output	









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