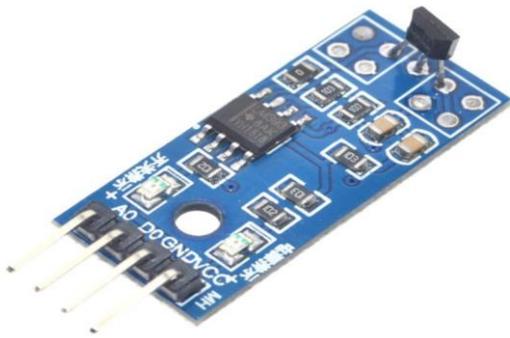


New Hall Magnetic Sensors for Arduino

Product Description

- 1, small size, 32mm X 14mm
- 2, with 3mm mounting screw holes
- 3, you can use 3-5.5v DC power supply
- 4, there are Hall real-time output signal
- 5, there is a more stable output signal through the comparator after finishing
- 6, the comparator output capacity of 16mA
- 7, with power indicator
- 8, the comparator output has a light
- 9, control distance: 1CM or less



Description:

- 1 working voltage: 3.3–5V
- 2 using 3144E switch type Holzer sensor.
- 3 when the sensor sensor to the magnetic field, the digital output low, the signal light is bright; if no induction to the magnetic field, then the digital output high level, the signal light is not bright.
- 4 with power indicator and signal indicator.
- 5 output mode: digital switching output (0 and 1) AO port is not valid
- 6 LM393 comparator output, model clean, good waveform, strong driving ability, more than 15mA.
- 7 Fixed bolt hole is provided, which is convenient for mounting and fixing.
- 8 can be used for motor speed, position detection, etc..

Sensor function introduction:

3144 Hall switch integrated circuit based on Hall effect principle, the use of manufacturing semiconductor integrated technology of magnetic sensing circuit, it is by voltage adjusting device, Hall voltage generator, differential amplifier, Schmitt trigger, temperature compensation circuit, and an open collector output stage is composed of a magnetic sensing detection circuit. The input for the magnetic induction intensity, the output is a digital voltage signal.