

Grove - Hall Sensor

SKU 101020046



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Description

The Hall Sensor measures the Hall Effect, which is a production of a voltage difference across an electrical conductor, transverse to an electric current in the conductor as well as a magnetic field perpendicular to the current. The output of the continuous-time switch Hall sensor on this Twig switches low and turns on when a magnetic field (south polarity) perpendicular to the Hall sensor exceeds the BOP threshold, and it switches high and turn on when the magnetic field disappears.

Features

- Grove compatible interface
- 400ns transition period for rise and fall.
- Continuous-time hall effect sensor

Application Ideas

- RPM meter.
- Simple dc motor.

Mechanic Dimensions

20mm by 24mm

For all Grove users (especially beginners), we provide you guidance PDF documents. Please download and read through [Preface - Getting Started](#) and [Introduction to Grove](#) before your using of the product.

Documents

Please visit our [wiki page](#) for more info about this product. It will be appreciated if you can help us improve the documents, add more demo code or tutorials. For technical support, please post your questions to our [forum](#).

Best-sellers



Technical Details

Dimensions	130mm x 90mm x 9.5mm
Weight	G.W 6g
Battery	Exclude

Documents

Questions and Answers

Have a question about this? Ask people who own it.

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Can a Hall Sensor detect a car nearby? This to avoid using motion sensor which would trigger when a person walks by. Kind regards Kwinten

Kwinten Guillaume on Apr 12, 2017

Reply |
upvote (0)

Hello, I am afraid that this sensor can't detect a car nearby. Thanks.

ae on Apr 14, 2017 10:38 AM

Reply |
upvote (0)

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Can I use this Hall Sensor to detect the presence of 12 volts _ 2 amps on a digital I/O port? How would this be wired on the Hall Sensor's four pin connector? Thanks in advance for your help :) Regards, -Robert

Robert Crouch on Oct 19, 2016

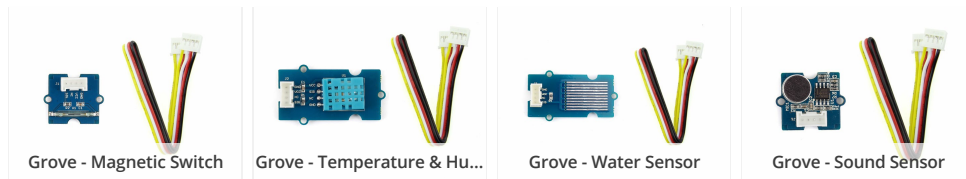
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yes, you can connect your sensor to base shield by 4 pin cable. More detail, watching wiki please.

Jacket Chen on Oct 20, 2016 10:42 AM

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