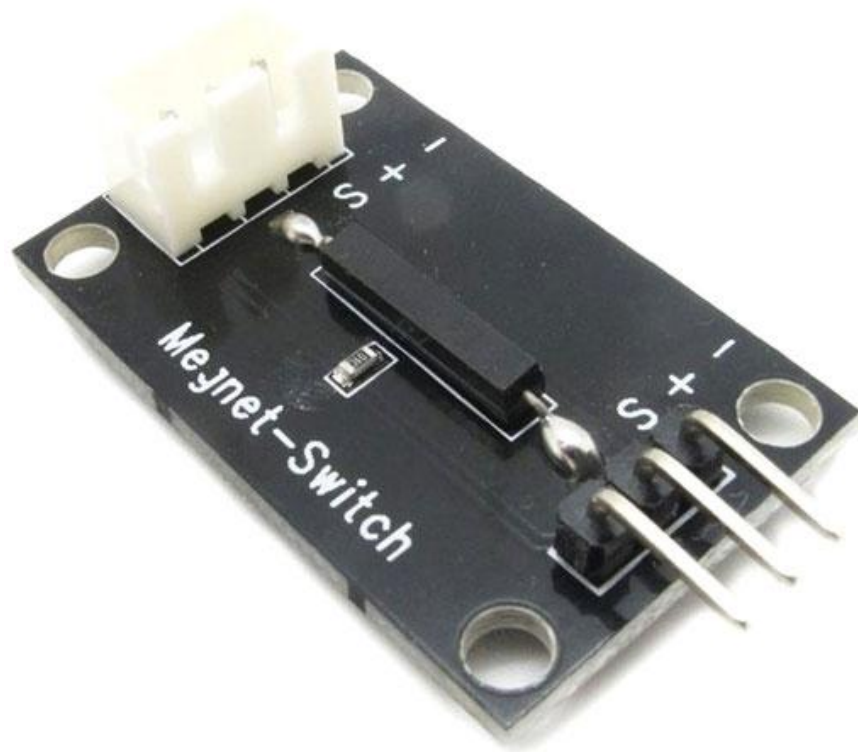


**RB-Ite-25**

**Electronic Brick Magnetic Sensor/Switch**



### **Overview**

This is a Electronic Brick interface compatible Magnetic switch module. It is based on encapsulated dry reed switch CT10. CT10 is single-pole, single throw (SPST) type, having normally open ruthenium contacts. The sensor is a double-ended type and may be actuated with an electromagnet, a permanent magnet or a combination of both. The magnetic switch is a wonder tool for designers who would like to turn a circuit on and off based on proximity.

Connect the + pin to 5v and - pin to GND, S pin will output the digital value which will tell you if there is some magnetic nearby. It can be used with Iteaduino directly with a 3PIN cable.

### **Features**

- Electronic Brick interface
- Minimum external parts
- 10W rating
- Rugged encapsulation

### **Programming**

Connect the module with Iteduino using D9. The program below shows how to use the Magnetic switch to control the led. When you put a magnet that has enough magnetic power close to the module, the switch is closed .Then the S pin out put a high voltage. You can use this to control the led.

### **Electronic Brick**

Yes! manufacturer can build electronics projects just as easy as piling bricks. Arduino and community have made the programming much easier than ever before. How about some elixir on hardware part? Maybe it is not yet convenient to make complex interfaces, but we can at least start from the most commonly used modules.

By using electronic bricks, you may connect Arduino compatible boards easily with various digital, analog and I2C/Uart interfaces. These the breadboard-less firm connection are prepared to extensive modules like potenziometers, sensors, relays, servos...even buttons, just plug and play.

Each terminal module has buckled port with VCC, GND and Output, which has corresponding port on the sensing board, with a plain 2.54mm dual-female cable you may start playing already. Buckled brick cables are like cement for bricks, make the connections easier, secure and more professional looking.