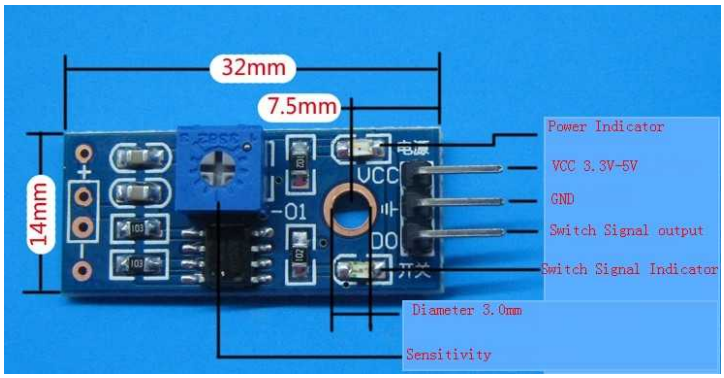
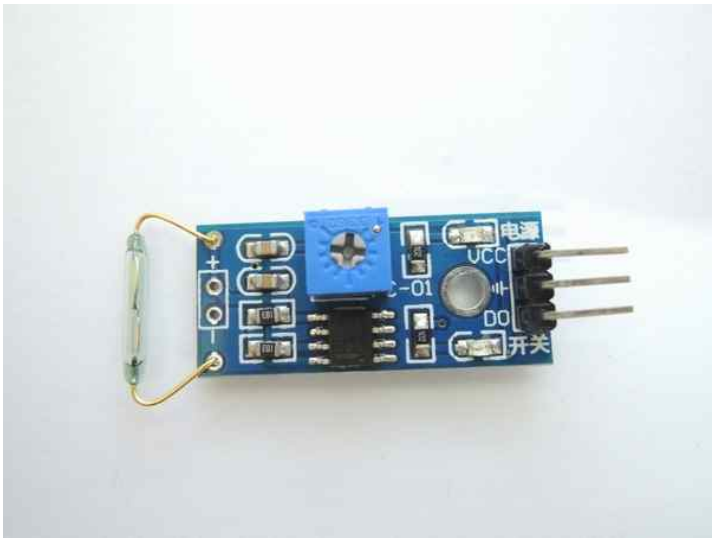
Reed sensor module; magnetron module 3.3-5V ;reed switch; MagSwitch For Arduino





Uses:
PBX, photocopiers, washing machines, refrigerators, cameras, Disinfection cabinet, door, window magnetic, electromagnetic relay, electronic weighing, level meter, gas meter, water meter and so on have been a very good application.
Module Features:
1, imported normally open reed switch
2, the comparator output, the signal is clean, the waveform, driving ability, more than 15mA.
3, operating voltage 3.3V-5V
4, the output in the form: Digital switching outputs (0 and 1)
5, a fixed bolt hole for easy installation

6 small board PCB size: 3.2cm x 1.4cm
7, wide voltage LM393 comparator
Reed switch features:
Reed switch is an abbreviation of the dry reed contacts a passive electronic switching elements, and has the advantages of simple structure, small size and ease of control, its shell is a sealed glass tube, the tubes are installed two iron elastic reed plate, but also filling called rhodium metal inert gas. In peacetime, the glass tube in the two reeds made of special materials are separated. When a magnetic substance close to the glass tube, in the role of the magnetic field lines, the pipe within the two reeds are magnetized to attract each other in contact, the reed will suck together, so that the junction point of the connected circuit communication. After the disappearance of the outer magnetic reed because of their flexibility and separate, the line is disconnected. Therefore, as a use of the magnetic field signals to control the line switching device, reed tube can be used as a sensor for counting the number, spacing, etc. (in the security system is mainly used for production of Menci, magnetic window), and also are widely used in a variety of communication devices. In practical use, usually with a permanent magnet control two metal sheet is turned or not, it is also referred to as "magnetron".
Module using the instructions:

Dry reed and the magnet with the use, to a certain magnetic induction will be presented to the conduction state, the module output low, no magnetic force, and the OFF state, the output high, reed the magnet sensing distance of 1.5cm beyond insensitive or will trigger phenomenon;

2 module DO output of the microcontroller the I / O ports directly connected to the reed switch triggering state can be detected through the microcontroller;

3. Connected to the module DO output relay IN the end, composed of high-power reed switch, high voltage direct control.