

Operational Description

This product designed for T015 and T016 or T018 series as magnetic sensor, it send wireless signal to trigger the system alarm.

Schematic description

- ✧ Battery: use a CR2032 battery as all circuit power supply.
- ✧ Magnetic sensor detect circuit: Q4, R9, R10, R11, R14, R17, R18, R19, C11, C12 complete detect the magnetic sensor open or close, and output high or low voltage to MCU, SW1 switch the external and internal magnetic sensor.
- ✧ Battery low detect circuit: R5~8, Q1, Q3, D2 to complete the battery low detect, if the battery is low the circuit will output high level to MCU, the D2 is temperature compensation diode.
- ✧ Transmit power control circuit: R1, R2, Q5 to complete the transmit IC MICRF113 power control, when the MCU output low level the transmit IC will got power supply.
- ✧ Transmit circuit: IC MICRF113 and Y1 and all around component to complete the transmit 433MHz signals generate, the MCU will output data signal to modulation to this RF signal.
- ✧ Impedance match and antenna: C4, L2, C5, C7, C18, C19 complete impedance match to 50ohm and pass antenna to transmit RF signal.
- ✧ Indicate LED: LED1 indicate the unit work status and battery low status.
- ✧ MCU: it will control all circuit to working.