

Working Principle of Magnet Sensor R3

1. OFF mode: Magnet sensor R3 is power off when switch it to OFF.
2. RF/RF+ALARM mode: Once the sensor is switched to RF/RF+ALARM, the power is on, the forth pins of integration TX102 connects with low level end. Once transmitter and magnetic bar are separated more than 1CM, the disconnection of internal magnetron generates a triggering signal. Integration TX102 outputs a code address signal from third pin (programmed in IC) after triggered, sending to Q1 through 433MHZ wave-trap, the enlarged signal outputs through antenna. Simultaneously in RF+ALARM mode, the internal audio circuit is working due to the connection of forth pins of integration TX102 and high level end, send to Q2 by fifth pin of integration TX102 and enlarge, inductance L3 booster tension and drive buzzer for alarm sound. (Code address signal includes a local fixed address code and control code that represents the function)