

TECHNICAL DESCRIPTION

REMOTE TRANSMITTER (PIR) UNIT

PIR Motion detector

PIR Motion detector detects the motion of animals and human beings.

Inverter

Q1 is the inverter to invert the signal level from the PIR detector.

MCU

MCU receives the signal from the PIR detector and then send the alarm command to the receiver unit.

ID Switch

Preset the ID code of the sending data.

RF oscillator

Q2 functions as a Coplitts oscillator. X2 (315MHz SAW Resonator) is used to stabilize the oscillate frequency.

Modulation

The data output pin of MCU controls the on/off of the oscillator and then generate the AM modulated signal.

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