

Operational description of RX Main unit

1. The Jumbo thermo clock main unit is MCU based LCD clock.
2. U1 MCU is clocked by a 32.768KHz crystal.
3. Battery low detection circuitry detects battery low level of battery.
4. Thermo sensor is connected to MCU to measure the indoor temperature.
5. Buzzer circuitry is the output stage for alarm and keystone.
6. RCC RX circuitry is a receiver to capture and amplify the RCC signal. A formed time data is fed to MCU every 1 hour.
7. 433MHz RX circuitry is RF receiver to receive the outdoor temperature signal form the transmitter.

Operational description of TX :

1. MCU generates a sequenced code to feed the RF transmitter.
2. Battery low detection circuitry detects battery low level of battery.
3. A SAW resonator works in 433MHZ TX transmitter to transmit the outdoor temperature signal to main unit.
4. Thermo sensor is connected to MCU to detect the outdoor temperature.

关气站普通发射器 T2246. Data脚输出波形. (部分图)

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