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## CIRCUIT DESCRIPTION

MODEL: TX3

### Transmitting Unit

The transmitter controls the whole transmitter to work through MCU(U1), and show the display of LCD. Though transmitting module, MCU(U1) collects and transmits the temperature (collected by temperature).

The 433.92MHz crystal oscillator drives the base of Q1 the buffer amplifier. The modulation provided by MCU(U1). The output of Q2 has the matching network consisting of L1,L2 and C12 tha limit the harmonic content and e ffect the proper coupling of the antenna to the output stage. The antenna consists of 19.5T coli L4.

### Operation Description:

The transmitter is a remote sensor operating at 433.92MHz band. The transmitter is powered by a 3V battery( “AAA“ size battery X 2) and the transmitting frequency is crystal controlled. The temperature signal is automatic transmit by MCU(U1). It can selecte the unit of temperature °C / °F by pressing the key of C/F.