

HIDEKI ELECTRONICS LTD.

Technical Description of TS33-C

TS33-C is operated by single micro-controller. The MCU provides the features of Thermo Sensor (by sensing the thermistor RT1) and Hygro Sensor, and sending the signals to the receiver. TS33-C has a LCD display for easy reading the temperature and humidity.

For the transmission part, it is simply a UHF (Ultra High Frequency) transmitter and its center frequency is 433MHz by the SAW resonator.

The data is passed from the MCU - U2 to the transmission part. The data is modulated by the SAW resonator-X1 in 433MHz. Then it amplified by Q1 and transmitted through an antenna.

On the other hand, U1 is also provided a simply alarm clock function. User can adjust the clock by setting keys.