

# HIDEKI ELECTRONICS LTD.

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## Technical Description of TS13-C

TS13-C is operated by single micro-controller. The MCU provides the features of Thermo Sensor (by sensing the thermistor RT1), and sending the signal of temperature to the receiver. TS13-C has a LCD display for easy reading the temperature sensing in the Thermo Sensor.

For the transmission part, it is simply a UHF (Ultra High Frequency) transmitter and its center frequency is 433.92 MHz by the SAW resonator.

The temperature data is passed from the MCU - U1 to the transmission part. The temperature data is modulated by the SAW resonator-X1 in 433.92MHz. 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.