

Transmitter (Sensor) Technical Description

FCC ID: YPG-MB109

NTC and associated circuit form the temperature sensing circuit.

S1 is a reset button for system reset.

R1, R5 and Q1 act as low battery detection circuit. When the battery is low, the MCU will send a battery low signal to the receiver and display on the receiver LCD display.

C7, C9, L1, L2, L3 & L4 act as antenna matching network.

RF Resonator SAW1 (433.92MHz), Q2 and associated circuit act as ASK modulator.

U1 is coding MCU. Crystal XTI (32768Hz) generates system clock for the MCU (U1).

The duration of each transmission is 980ms period and the silent period between each transmission is 59 seconds.

The transmitter is powered by two 'AAA' batteries.

Antenna Type: Integral, Internal

Modulation: ASK (433.92MHz , single channel)