

Technical Description of the Circuit:

The circuit is a RF thermometer & hygrometer transmitter part, the MCU TM8712 will measure the temperature & relative humidity and code the data. Afterward, the data is transferred to the RF circuit by the IC PT4450 which includes a SAW oscillator, power amplifier and one-shot circuit every 3 minutes, when the Data pin output HIGH level to the oscillator, the oscillator is turned on and output 434MHz RF signal, when the Data pin output LOW level to the oscillator, the oscillator is turned off and this ON & OFF process modulate the code data into 434MHz with ON OFF KEYING..