

Operation Description

The Home Weather Station is powered by AC120V/DC6V adaptor or 4 X 1.5V “AA” size battery. The RF receiver is operated at 433.920MHz for receive out door transmitter signal and indicate at the LCD display. It has another three difference internal sensors in the unit for measure indoor Temperature, Humidity and Pressure.

Refer to the transmitter circuit design, the circuit description is listed as below:

- Q1, U3 and associate circuit act as signal receiver.
- U6 and associate circuit act as CPU.
- Y1 and associate circuit act as oscillator for CPU.
- U1 and associate circuit act as in door temperature sensor.
- U2 and associate circuit act in door humidity sensor.
- D10, U1A & U1B and associate circuit act as pressure sensor.
- LCD1 and associate circuit act as LCD display.