

FUNCTIONAL DESCRIPTION

Temperature and out Sensor

Convert the air temperature from physical quantity to resistance.

Humidity Sensor

Convert the air humidity from physical quantity to resistance.

Crystal Oscillator

A very stable crystal generates accurate pulses and feed into MCU as master clock.

Battery

In-series by dry battery 2 units of 1.5V supply energy to whole circuit system.

Low Battery Detect

When the power voltage low to specify value, detect circuit is active and the LCD display the mark of the low battery.

RF Transmit

Modulate temperature and humidity data to 433.92MHz signal & transmit from air

LCD Display

The liquid crystal display distribute into temperature and humidity .

MCU (Microprogrammed Control Unit)

4-bit MCU consist of all software, logic control and memory for system calculation and hardware control purpose.

Key board

Two switches for user to interface with MCU.

Switch

One Switch for user to interface with MCU