

Technical Description of wireless weather station (Rx)

Wireless weather station is MCUs base device. The MCUs are operating with a crystal 32.768kHz clock. MCU1 (U2) controls humidity sensor., air pressure sensor, temperature sensor and 433MHz Super regenerative receiver (Q1). All captured data of the sensors and rf receiver (Q1) is processed by MCU1 (U2). After calculation and conversion of data, MCU1 (U2) sends the display information to MCU2 (U1) for displaying on LCD. MCU2 (U1) performs all human interface by key pads input, LCD and buzzer output.