

## **Receiver**

The antenna picks up the selected signal by supper-regenerative detector with oscillation frequency of 299.8MHz. Data signal is amplified by OP-AMP LM358 before sending to the micro-controller PIC16C54C, which is operated at clock cycle of 4MHz.

The transmitted data is decoded and micro-controller takes the corresponding action to send output to control the on/off of light and fan.