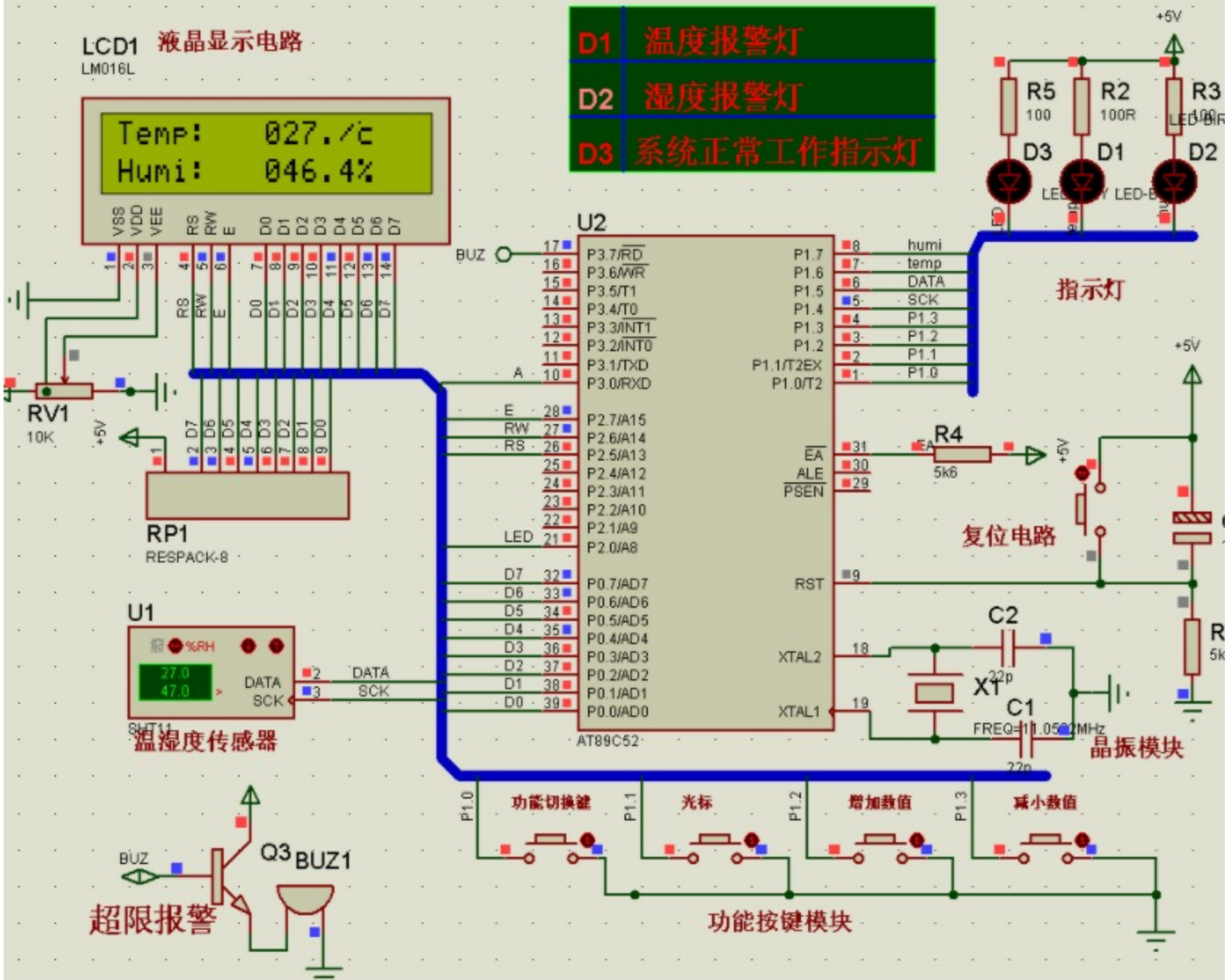


温湿度监测报警系统，可以通过按键设定温度和湿度的上下限，超过范围则LED报警



```
1 #include <string.h>
2 #include <stdlib.h>
3 #include <absacc.h>
4 #include <intrins.h>
5 #include <reg51.h>
6 #include <math.h>
7 #include "液晶.h"
8 #define uchar unsigned char
9 #define uint unsigned int
10 /* */
11 #define Measure_TEMP 0x03 /* 温度 */
12 #define Measure_HUMI 0x05 /* 湿度 */
13
14 /*传感器修正参数 */
15 const float d1 = 39.2;
16 const float d2 = 0.01;
17
18 const float C1 = -5.0468;
19 const float C2 = 0.0367;
20 const float C3 = -0.00000159;
21
22 /* 端口重定义 */
23 sbit set_dis = P1 ^ 0;
24 sbit m_cursor = P1 ^ 1;
25 sbit set_inc = P1 ^ 2;
26 sbit set_dec = P1 ^ 3;
27 sbit TH_CLK = P1 ^ 4;
28 sbit TH_DAT = P1 ^ 5;
29 sbit beep_temp = P1 ^ 6;
30 sbit beep_humi = P1 ^ 7;
31 sbit beep = P3 ^ 7;
32 sbit led = P2 ^ 0;
33
34 /* 变量声明 */
35 unsigned char shtdata[3];
36 unsigned char disp[4];
37 unsigned char set_label = 0;
38 bit Error;
39 unsigned char neg_label = 0;
```