

```

1  #include <reg52.h>
2  #include <intrins.h>
3  #define NOP      _nop_()
4  #define TEMP_ALERT_L    0x00
5  #define TEMP_ALERT_H    0x25
6  #define SET_TIME    6500
7  #define END_ALERT    100
8  typedef unsigned char  uchar;
9  typedef unsigned int   uint;
10
11  sbit    RS      = P2 ^ 0;      /* P2^0; */
12  sbit    RW      = P2 ^ 1;      /* P2^1; */
13  sbit    EN      = P2 ^ 2;      /* P2^2; */
14  sbit    RST     = P2 ^ 3;      /* DS1302使能信号, 高电平有效 */
15  sbit    CLK     = P2 ^ 4;      /* 时钟信号 */
16  sbit    IO      = P2 ^ 5;
17  sbit    DQ      = P2 ^ 6;      /* ds18b20数据线 */
18  sbit    BUZ     = P2 ^ 7;
19  sbit    Touch   = P1 ^ 4;
20  sbit    BG      = P1 ^ 5;
21  sbit    Key_Select = P1 ^ 0;
22  sbit    Key_Up   = P1 ^ 1;
23  sbit    Key_Down = P1 ^ 2;
24  sbit    Key_Alert = P1 ^ 3;
25  sbit    Key_12_24 = P1 ^ 6;
26  sbit    Key_clear = P1 ^ 7;
27
28  bit timerflag = 0;
29  uint  j, bg_count = 0, sf1 = SET_TIME, sf2 = 0;
30  uchar i, tmp, TEMP, dat, re_dat, wr_dat, alert = 0, temp_flag = 0, select = 0;
31  uchar temperature[2];
32  uchar alesta[2] = { 'F', 'F' };
33  uchar alert_sleep[2] = { 0, 0 };
34  uchar alert_hour[2];
35  uchar slpcon[2] = { 0, 0 };
36  uchar disp1[16] = "    Welcome!    ";
37  uchar disp2[16] = "Have A Nice Day!";
38  uchar alerttime1[2] = { 0, 0 };
39  uchar alerttime2[2] = { 12, 0 };      /* 闹钟初始时间 */
40  uchar rtc[7] = { 0, 0, 4, 9, 0, 0, 0 }; /* 即时时间 real time clock */
41  uchar writeaddr[7] = { 0x8c, 0x8a, 0x88, 0x86, 0x84, 0x82, 0x80 }; /* 写命令数组 年周月日时分秒 */
42  uchar readaddr[7] = { 0x8d, 0x8b, 0x89, 0x87, 0x85, 0x83, 0x81 };
43
44  void delay_ms( uint );
45
46
47  void delay_50us( uint );
48
49
50  void delay_us( uchar );

```

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