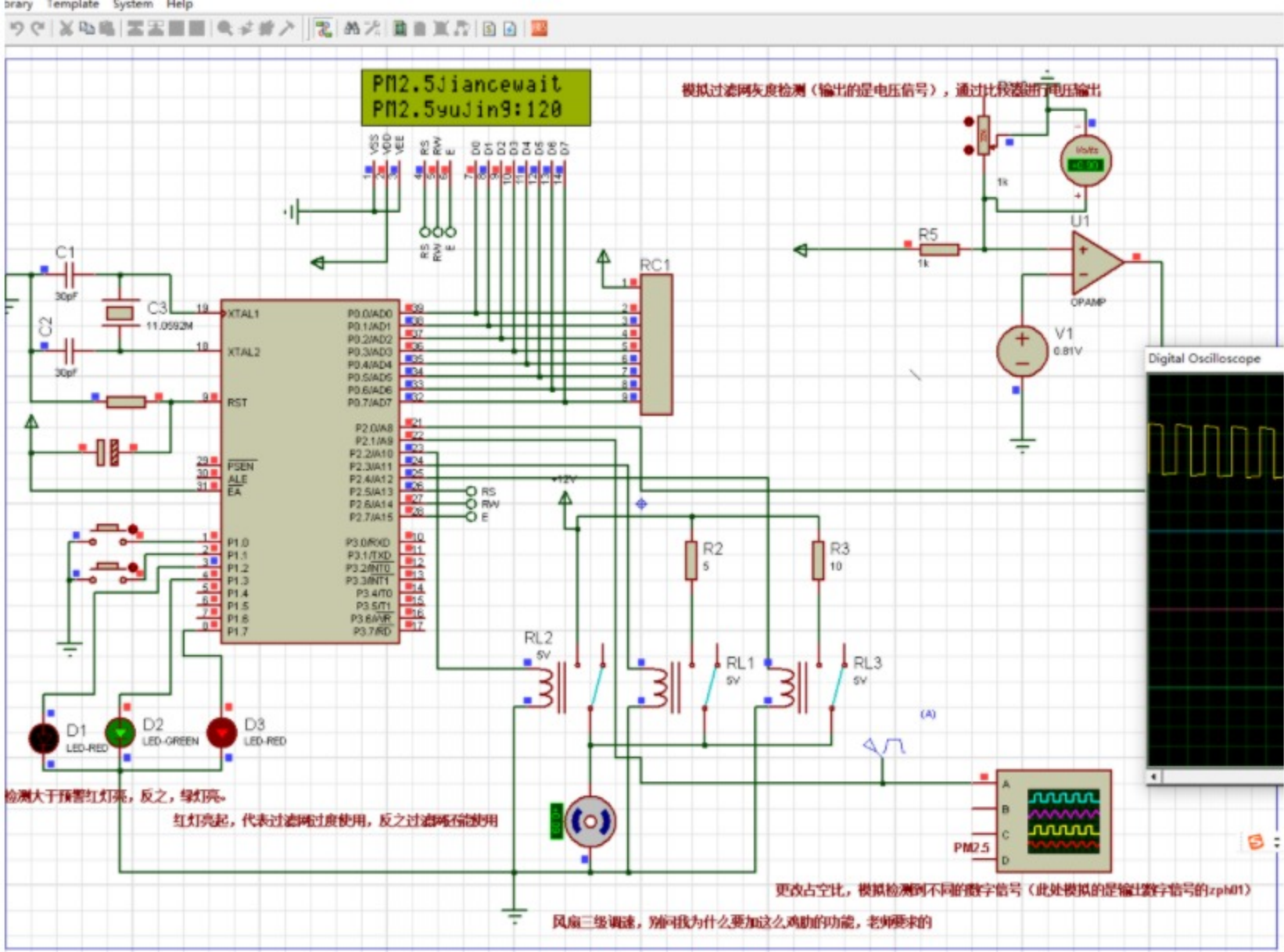




```
1 #include<reg51.h>
2 #include<intrins.h>
3 #define uchar unsigned char
4 #define uint unsigned int
5 #define LCD P0 //
6 sbit PM2_5 = P2^1; //PM2.5模块PWM输入口
7 sbit busy=P0^7; // "忙"标志位
8 sbit add=P1^0;
9 sbit jian=P1^1;
10 sbit ledred=P1^2;
11 sbit ledgreen=P1^3;
12 sbit sanji=P2^2;
13 sbit erji=P2^3;
14 sbit yiji=P2^4;
15 sbit guolvwang=P2^0;
16 sbit warning=P1^7;
17 uint ji=120;
18 uint LowPulseTime_30s = 0; //30秒内低电平的时间,单位为ms
19 uint LowPulseTime_3s = 0; //3秒内低电平的时间,单位为ms
20 uint TotalTime_3s = 0; //总时间,3秒计数器
21 uint TotalTime_30s = 0; //总时间,30秒计数器*
22 uint LowerTotal = 0; //30秒内的低脉冲率,就是30秒内的低脉冲时间除以30秒的总时间,范围为5%~25%
23 uint Concen = 0; //浓度值,整数
24 uint pulseTime[10] = {0}; //每隔3秒的低电平时间数组,10项刚好就是30秒
25 uchar Index = 0; //上述数组的索引
26 bit bFreshDis = 0; //显示值刷新标志位,每隔3秒刷新一次显示
27 bit bStartDis = 0; //开始显示浓度值标志位,因为上电后要等30秒的预热时间才能计算浓度值
28 #define INT_CLOCK 1 //INT_CLOCK为定时值,单位为ms,此处定义为1ms
29 #define CRY_FREQUENCY 11059200 //CRY_FREQUENCY为晶振频率,单位为Hz
30 uchar TL0_temp; //暂存TL0的初值 中断值
31 uchar TH0_temp; //暂存TH0的初值
32 unsigned char fuhao;
33 //代码表
```