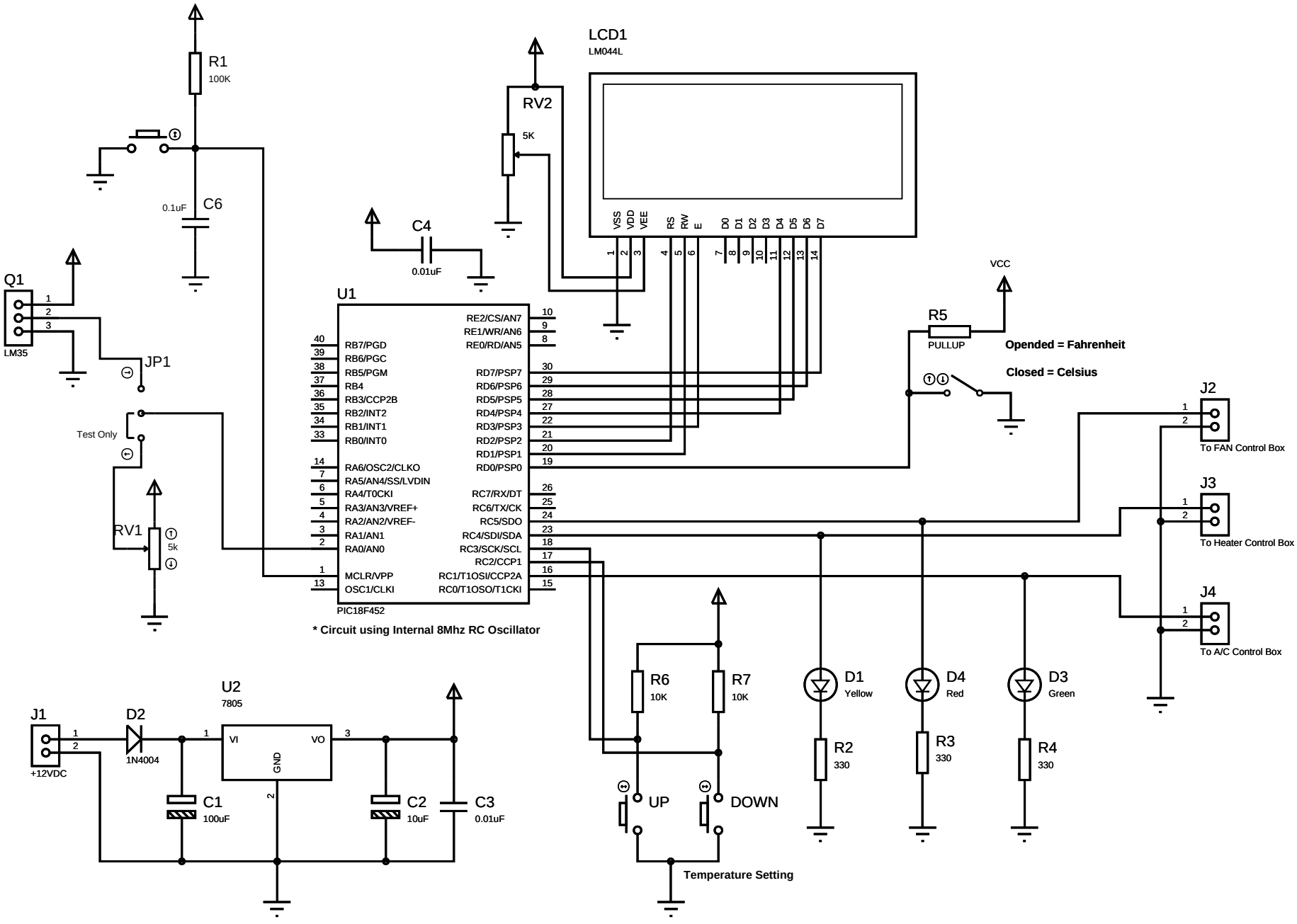
R1
100K
0.1uF
C6
RV2
5K
LCD1
LM044L
VSS VDD VEE RS RW E D0 D1 D2 D3 D4 D5 D6 D7
C4
0.01uF
Q1
LM35
JP1
U1
RE2/CS/AN7
RE1/WR/AN6
RE0/RD/AN5
RB7/PGD
RB6/PGC
RB5/PGM
RB4
RB3/CCP2B
RB2/INT2
RB1/INT1
RB0/INT0
RD7/PSP7
RD6/PSP6
RD5/PSP5
RD4/PSP4
RD3/PSP3
RD2/PSP2
RD1/PSP1
RD0/PSP0
RA6/OSC2/CLKO
RA5/AN4/SS/LVDIN
RA4/T0CKI
RA3/AN3/VREF+
RA2/AN2/VREF-
RA1/AN1
RA0/AN0
RC7/RX/DT
RC6/TX/CK
RC5/SDO
RC4/SDI/SDA
RC3/SCK/SCL
RC2/CCP1
MCLR/VPP
OSC1/CLKI
RC1/T1OSI/CCP2A
RC0/T1OSO/T1CKI
PIC18F452
* Circuit using Internal 8Mhz RC Oscillator
Test Only
RV1
5k
VCC
R5
PULLUP
Opended = Fahrenheit
Closed = Celsius
J2
To FAN Control Box
J3
To Heater Control Box
J4
To A/C Control Box
R6
10K
R7
10K
D1
Yellow
D4
Red
D3
Green
R2
330
R3
330
R4
330
UP
DOWN
Temperature Setting
U2
7805
J1
+12VDC
D2
1N4004
VI
VO
GND
C1
100uF
C2
10uF
C3
0.01uF