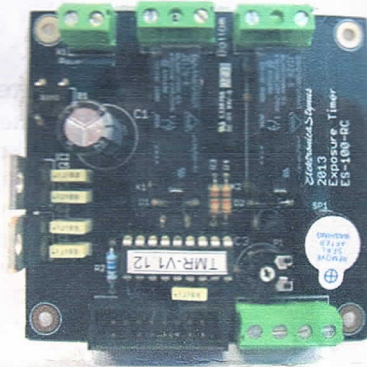
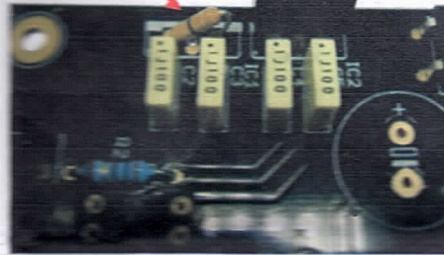


7



10k Ohm Resistor if
input voltage
< 15V DC / 12V AC



1x voltage regulator 7805 - IC2 *
1x voltage regulator 7812 or 0R resistor - IC1 *
Depending on power supply operating voltage, 7812 for input voltage > 15VDC / 12V AC
0 R resistor for input voltage < 15V DC / 12V AC
1x capacitor 1000µF - C1 *
1x PIC16F628A - IC3 *
Insert programmed pic microcontroller in to the socket.

8



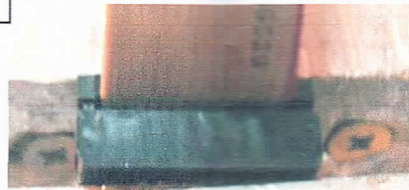
Put the connector on the cable. On the connector is a small arrow. This indicates that the red wire of the flat cable needs to be on this side.



Put the lower bracket half in the connector and put the flat cable in between (with the red side on the side of the arrow) *

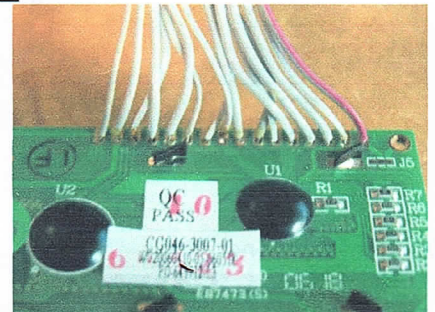
* Watch the polarity!

9



Now the connector must be pressed shut. The easiest way to do this is with a bench vice. After that you can bend the cable around the connector and press the top part in.

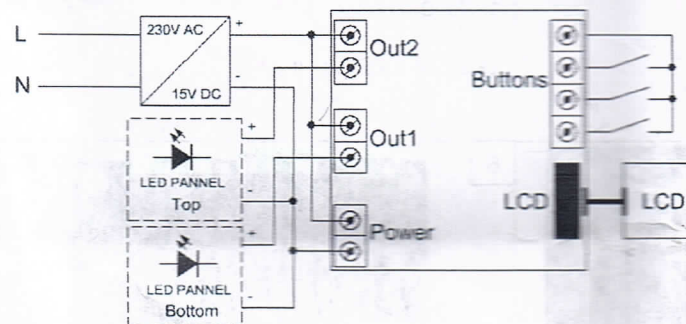
10



Solder the cable to the LCD *
Red = pin 1

Wiring diagram:

LED:



Fluorecent:

