

VM3COP25.01 APGAR TIMER BUILD INSTRUCTIONS 0310100

PARTS LIST:

Part Number	Description
0330548	APGAR Timer Case. VIAMED DIGITAL
0330549	APGAR Timer End Cap Set VIAMED DIGITAL
0330558	Battery Holder BE60 - Black VIAMED DIGITAL
0330570	APGAR timer - keypad membrane assembly. VIAMED DIGITAL
0330555	APGAR Timer PCB v1.0 assembly. VIAMED DIGITAL
0330575	APGAR Timer LCD. VIAMED DIGITAL
0330565	PCB Spacer - Pack of 25. VIAMED DIGITAL
0330567	M3 Hex Full Nut zinc plated. VIAMED DIGITAL
0330505	Label top panel (Start Freeze Reset) VIAMED DIGITAL
0330506	Label bottom panel (address P/N S/N). VIAMED DIGITAL



Case Preparation:

1/ Insert battery holder in the back case.



2/ Stick battery orientation labels into battery holder.

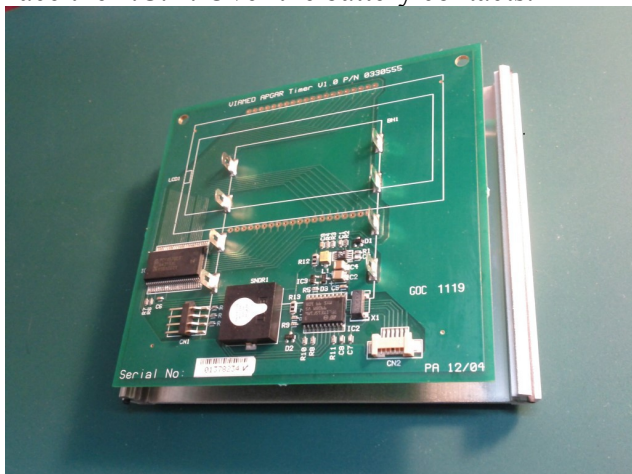


3/ Insert battery contacts into the battery holder.

4/ Stick the keypad membrane to the front of the case.

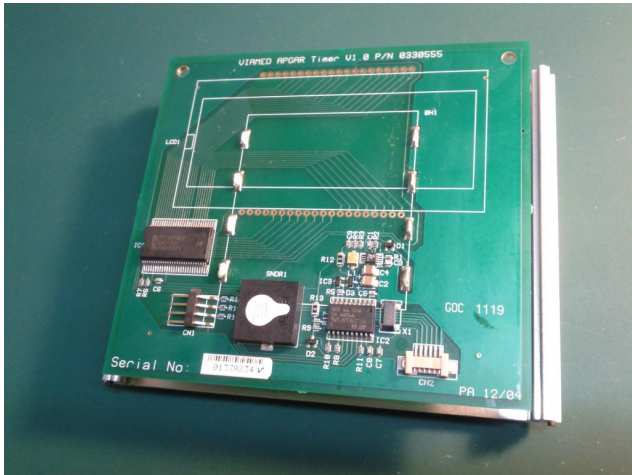


5/ Place the P.C.B. Over the battery contacts.

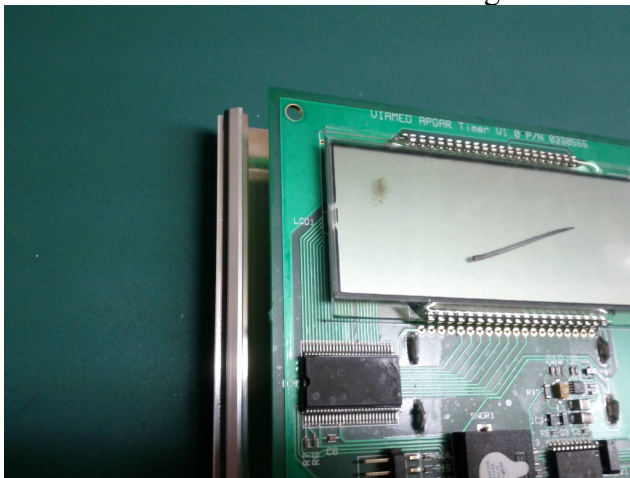


6/ Solder contacts to the P.C.B. Ensuring the P.C.B. Is flush to the battery holder.

7/ Trim the excess battery contact as close as possible to the P.C.B.



8/ Place the L.C.D. On the P.C.B. Using the orientation markers on the left of the L.C.D. And P.C.B.



9/ use two pad supports to position the L.C.D.



10/ Solder the L.C.D. To the P.C.B.

11/ Insert batteries into the battery holder and connect the keypad connector to the P.C.B.

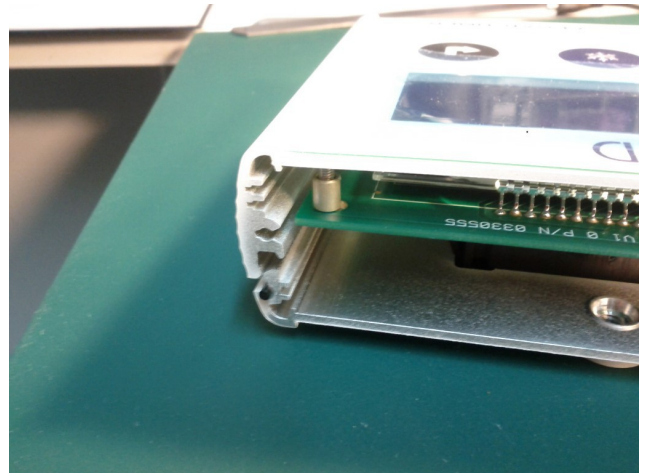
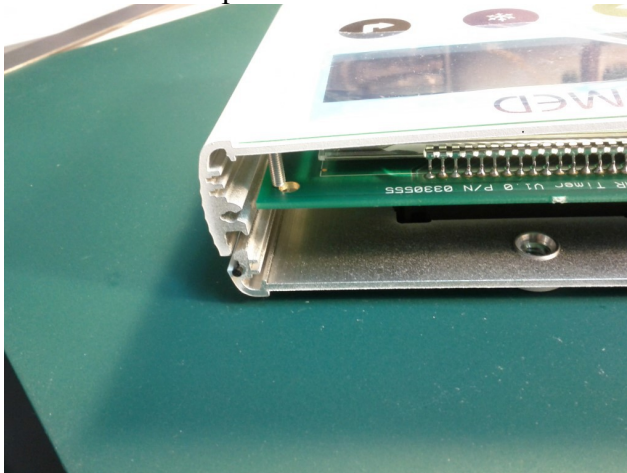


12/ Test the Apgar Timer.

13 / Remove the L.C.D. Protective cover. Remove the sounder cover.

14/ Note the P.C.B. Serial number.

15/ Place the two spacers over the threaded mounts of the front case.



16/ Clip the front and rear case together.



17/ Screw the nuts to the front case threads.

18/ Attach the case ends.

19/ Attach the bottom label (Serial) and the top label (start).



20 / make a note of which serial goes with the P.C.B. Number previously noted.

Q.A.

1/ Insert batteries. The software version number is displayed briefly.

2/ The Timer should be left to run to check all L.C.D. Segments work correctly.

3/ Test each button works correctly.

4/ function test. The unit should sound at one minute , 5 minutes and 10 minutes.

The display should pause when the freeze button is pressed and restart when pressed again.

Check the timer runs at the correct time.

The reset button should reset the timer to zero.

5/ Once the unit has been Q.A. Tested another serial number can be placed on the inside of the battery door.