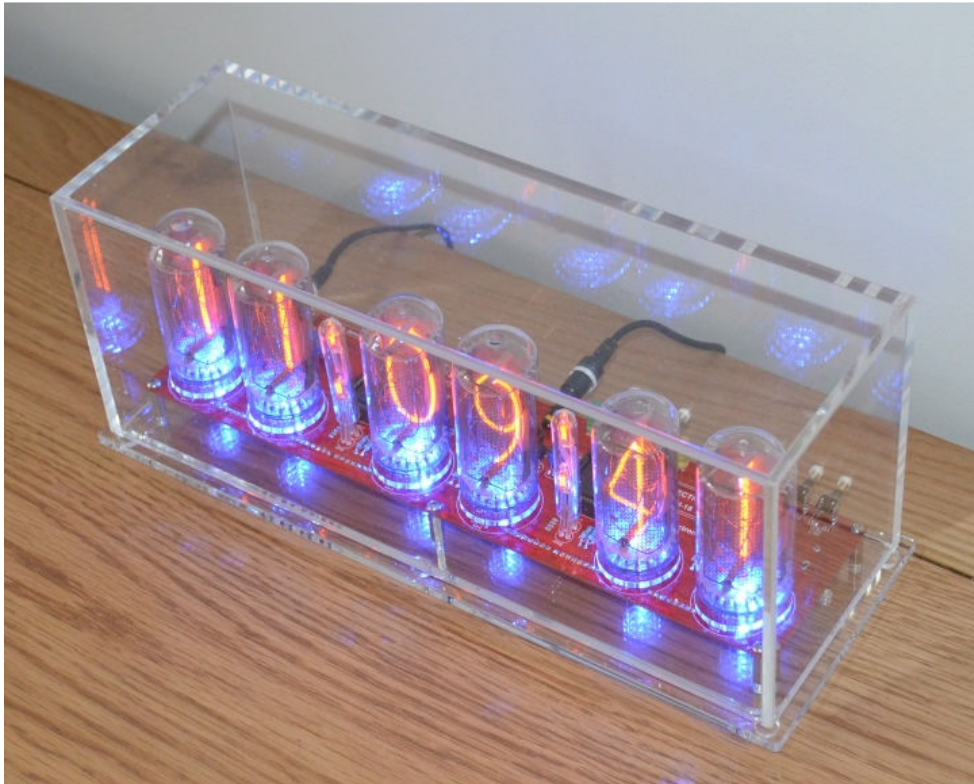


Assembly Notes

Prisma Case For Spectrum 18 Nixie Clock



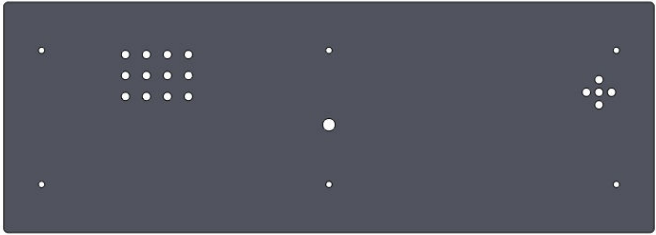
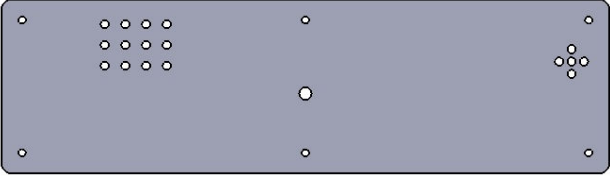

REVISION HISTORY

Issue Number	Date	Reason for Issue
1	10 March 2015	New document

1. APPLICABILITY

This case is suitable for the following Nixie Clock:
'Spectrum18'.

2. PACK CONTENTS

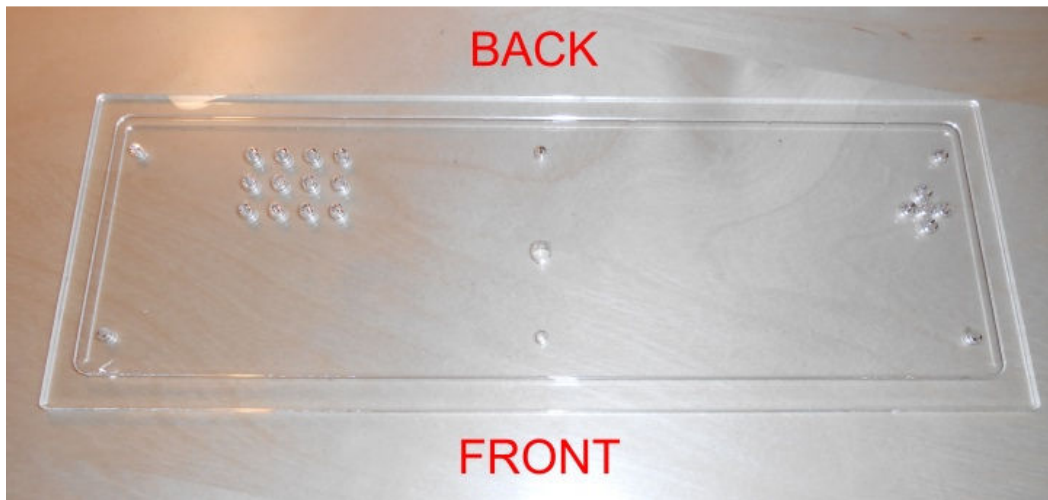
Component	Qty	Further info
Base (5mm thick)	1	
Base insert (3mm thick)	1	
Enclosure	1	5mm Plexi mitred enclosure box
M3 X 15mm screw	6	
Brass switch extensions	4	
6cm rubber tubing	1	
Rubber foot	6	
400 grade abrasive paper		

3.1 Remove all film from the Acrylic components

Ensure all protective film is removed from both parts.

3.2 Place the base components together

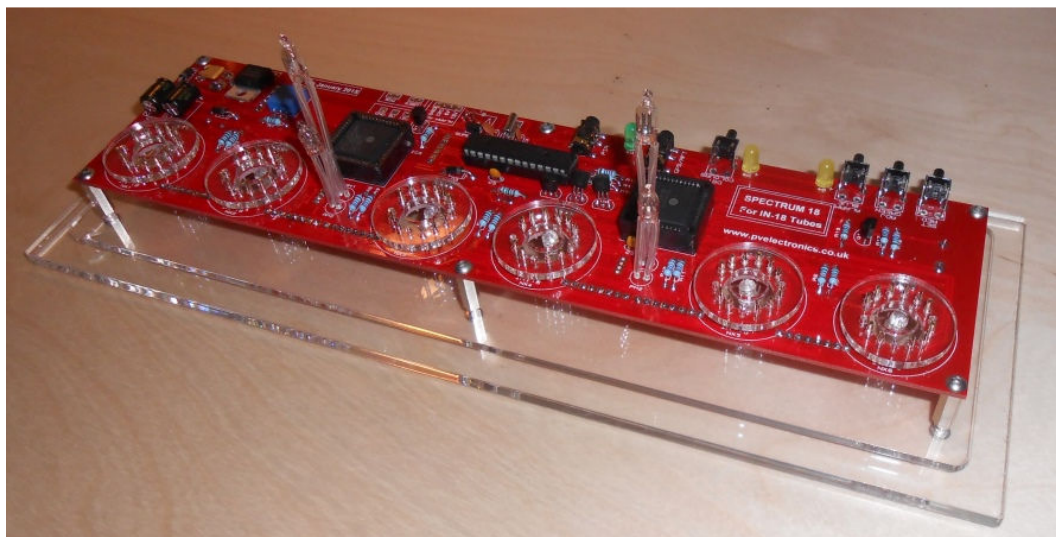
Place the 3mm insert on top of the 5mm base, aligning all the holes. Note the front and the back. The array of holes at the back will be underneath the HV Module, to provide ventilation.



3.3 Screw the base to the PCB

Remove the two glass neon covers, as they could fall off and break during this step.

Keeping the 2 panels together, screw the base to the PCB using the six 15mm M3 screws.



3.4 Prepare the brass switch extensions

The end that will touch the switch just needs to be de-burred using the abrasive paper, so there are no sharp edges which could split the rubber tubing used to attach the extensions to the plastic switch.

The other end should be cleaned and polished, using the abrasive paper. A very effective method is to clamp the part in a small electric hand drill, and spin the part whilst applying the abrasive paper. You are effectively using the drill as a lathe!

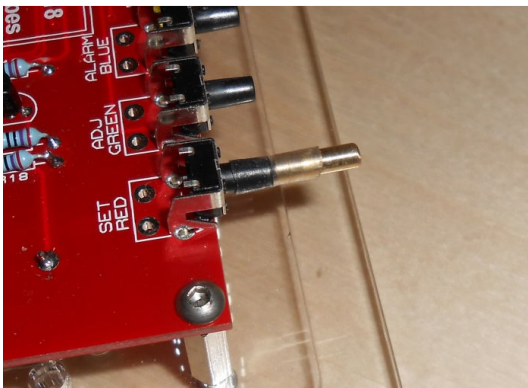


3.5 Attach the switch extensions

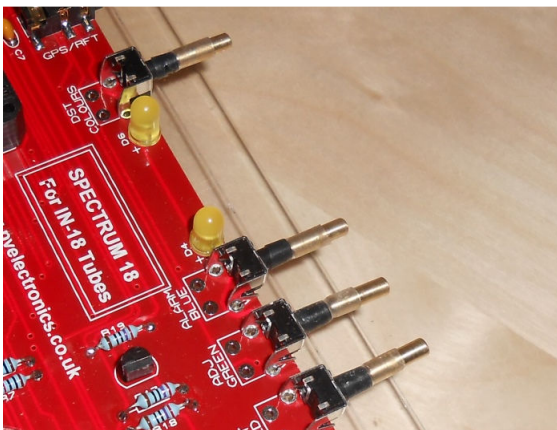
Cut a piece of rubber tubing 8mm long. Push it onto the plastic switch shaft. It may take a few attempts, and experimentation to find the best method for you. Using your fingernails can help, or another method is to just push it on squarely with force and straighten afterwards:



Then push the brass extension on in a similar manner. Ensure it is touching the switch shaft.

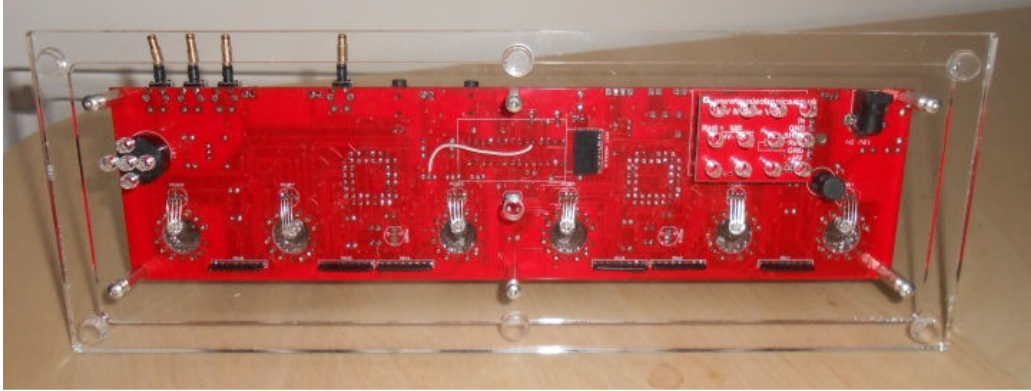


Repeat for the other three switches:



3.6 Apply the rubber feet

Apply the rubber feet symmetrically as shown below:



3.7 Place the enclosure

Replace the two glass neon covers, and then place the enclosure over the base, ensuring the switch extensions go through the holes provided in the enclosure.

