de Wijs apparatenbouw
Vleugelboot 68,
3991CL, Houten
the Netherlands

Tel. +31 (0)30-6364928
Fax. +31 (0)30-6361723
e-mail: info@dewijs-3d.com
Website: www.dewijs-3d.com

DE WIJS
THE ART OF VIEWING

Rabobank: NL78RABO0129079073
VAT nummer: NL 189916084B01
K.v.K. Reg. Nº 23071201 Utrecht

Design and production of stereoscopic instruments.

USER MANUAL FOR THE

PANEL VIEWER



MODELS:

11-04-PSTSLA
11-04-PSTSLM
11-04-PLEDA
11-04-PLEDM

Last update June 2017

Purpose:
The viewer can be mounted against a panel or inside a base to show one single 3-D (stereoscopic) slide.

Changes:

August 2005	First panel type of panel viewer released 05-04-Pxxxxx
July 2008	Front plate enlarged, additional cover for electronics on rear. CCFL inverter protected against wrong polarity
June 2009	Metal frame and cover for electronics changed in shape. Powered by an AC 12 Volts adapter. Additional 12 Volts dc rectifier inside. Change of brand CCFL inverter.
October 2011	Change of light source to LED backlight. Build-in depth extended. New electronic circuit, adjustable brightness.
December 2013	Screws to lock the lens barrels added.
August 2014	Change of LED backlight type to 4200K colour type.
August 2015	Anti-reflection chamber added between lenses and slide, housing black anodized, mounting screws added on bottom of viewer
June 2017	Change electronics to 12Vdc input including polarity protection.

Current Features:

- Applicable for slide frame format 50x50 mm. **2 mm.** thickness. and 41x101 mm. **3 mm.** thickness
- Maximum picture format 24x36 mm. Standing and lying slides.
- Coated achromatic lens ϕ 30 mm. f= 60 mm. (enlargement 4.2) high resolution 11-04-PSTLA or 11-04-PLEDA Fixed focus with plan convex lenses Ø 30 mm. f= 60 mm.
- A frosted acryl plate glass (05-04-PSTLx), for light dispersion is mounted beyond the focal point. In this case you should mount your own light source behind viewer.
- The LED backlight illumination (05-04-PLEDx), provides a smooth light source to give the slide its natural bright colours. Lifecycle is 30.000 hours. Colour temperature is 4200 Kelvin. Replacement part: 14-13-LED60x130_4200K
- Looping through of the power from the first viewer to others, using a single power adapter.
- For AC powered viewers: the circuit uses 65 mA. at 12 Volts DC. So you need a 12 Volts DC adapter. (0,6 Watts)

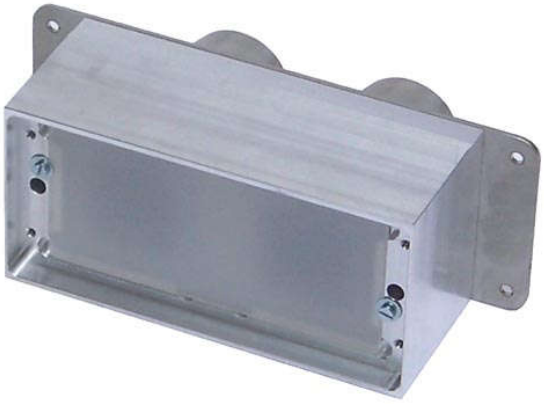
Warning:

The viewer is shipped with unlocked lens barrels. You can screw the barrels out of the housing if needed. Lock them with the 2 screws on the side of the housing.



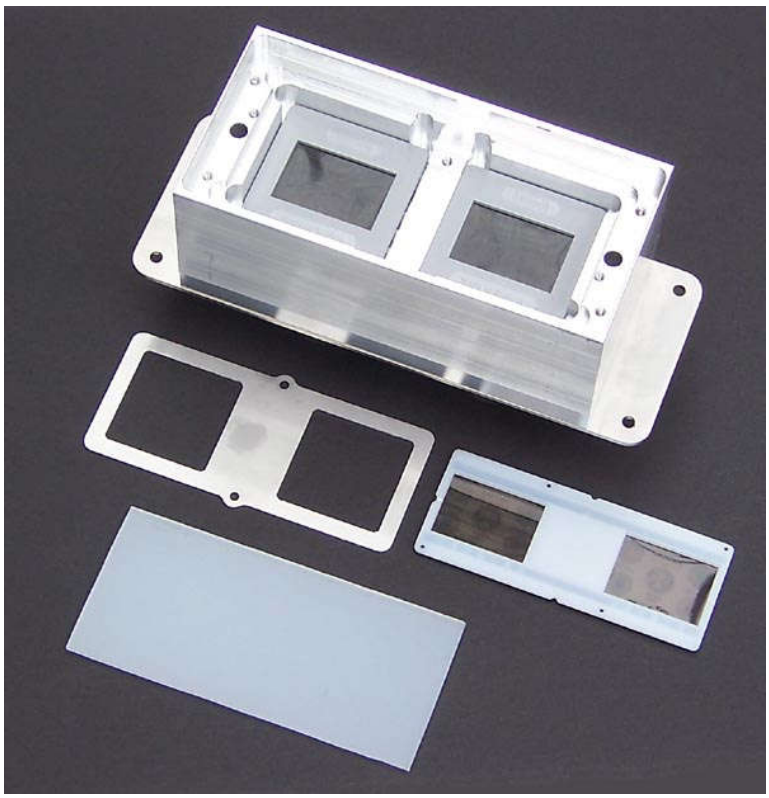
Replacing slides: without lamp

11-04-PSTLx:





On the rear of the non- illuminated model there is only a frosted glass on the rear.
With two small M3 screws you can remove this acryl plate and the slide is visible.

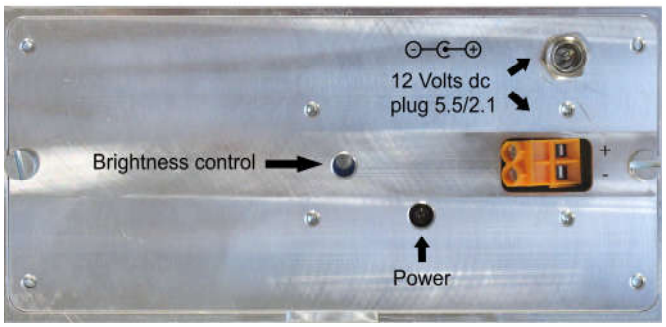


Remove the two screws holding the small metal frame that keeps the slide in its slot.
Now you are able to exchange the slides.
Check that there is no dust on the slides and on the rear of the lenses. With a soft brush or compressed air you can remove small dust parts.
Remount the small metal frame over the slide first with the two screws.
Replace the frosted glass and lock it with the other two screws.

Replacing slides: with LED back light

11-04-PLEDx, 12 Volts DC powered viewer





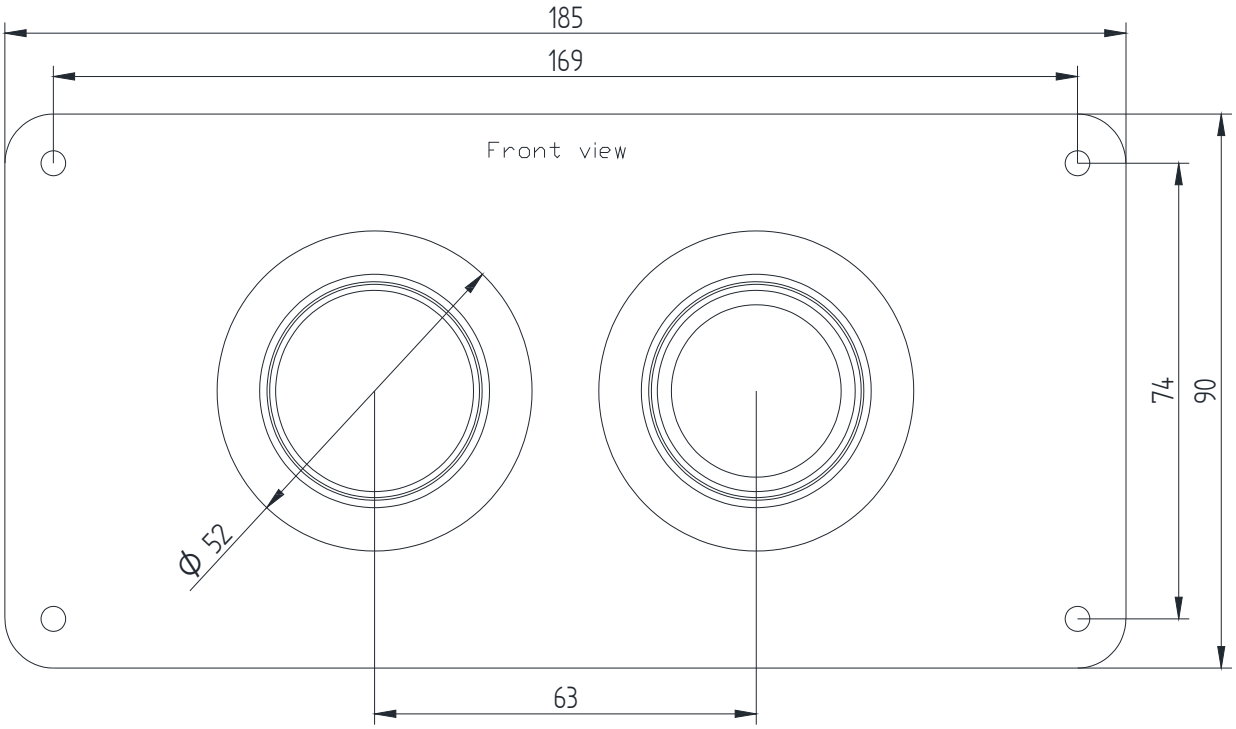
First remove the two screws on the edge of the rear panel. A small gap at the upper edge allows you to easily open the panel. This panel holds the electronic circuit and the LED back light. (right image)



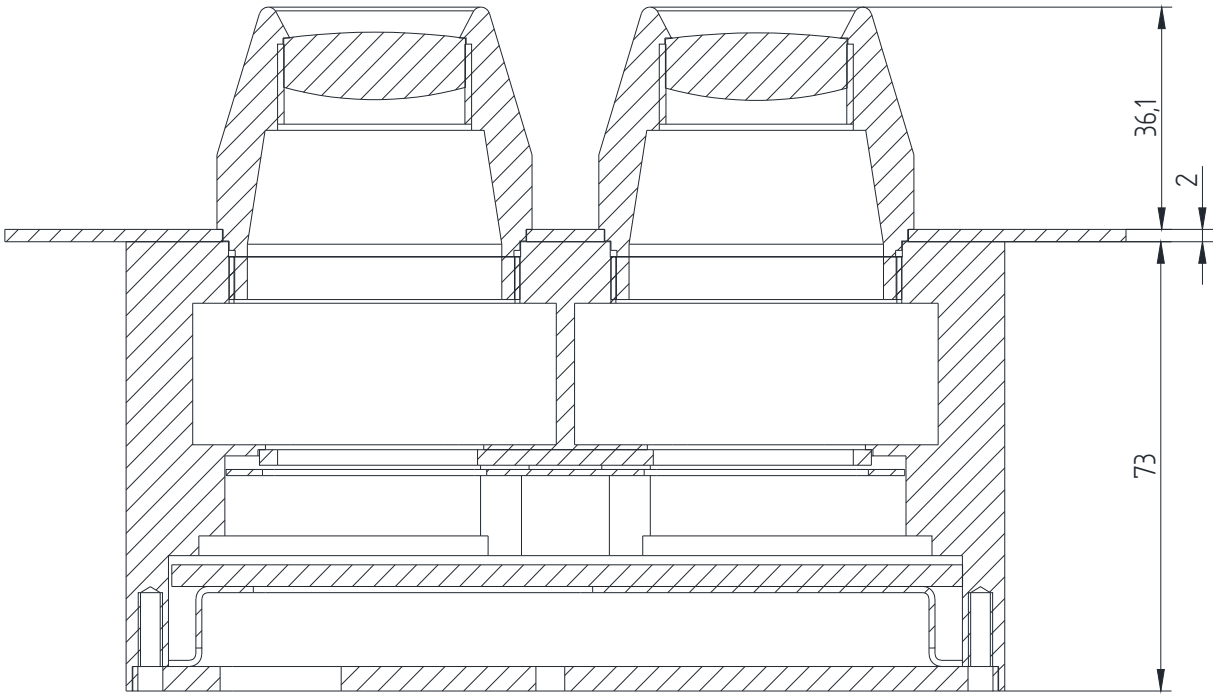
Remove the two small screws holding the small metal frame that keeps the slide in its slot.
Now you are able to exchange the slides.
Check that there is no dust on the slides and on the rear of the lenses. With a soft brush or compressed air you can remove small dust parts.
Remount the small metal frame over the slide first with the two screws.
Then replace the rear panel.



Panel viewer 2011 build-in dimension
Revision 2015

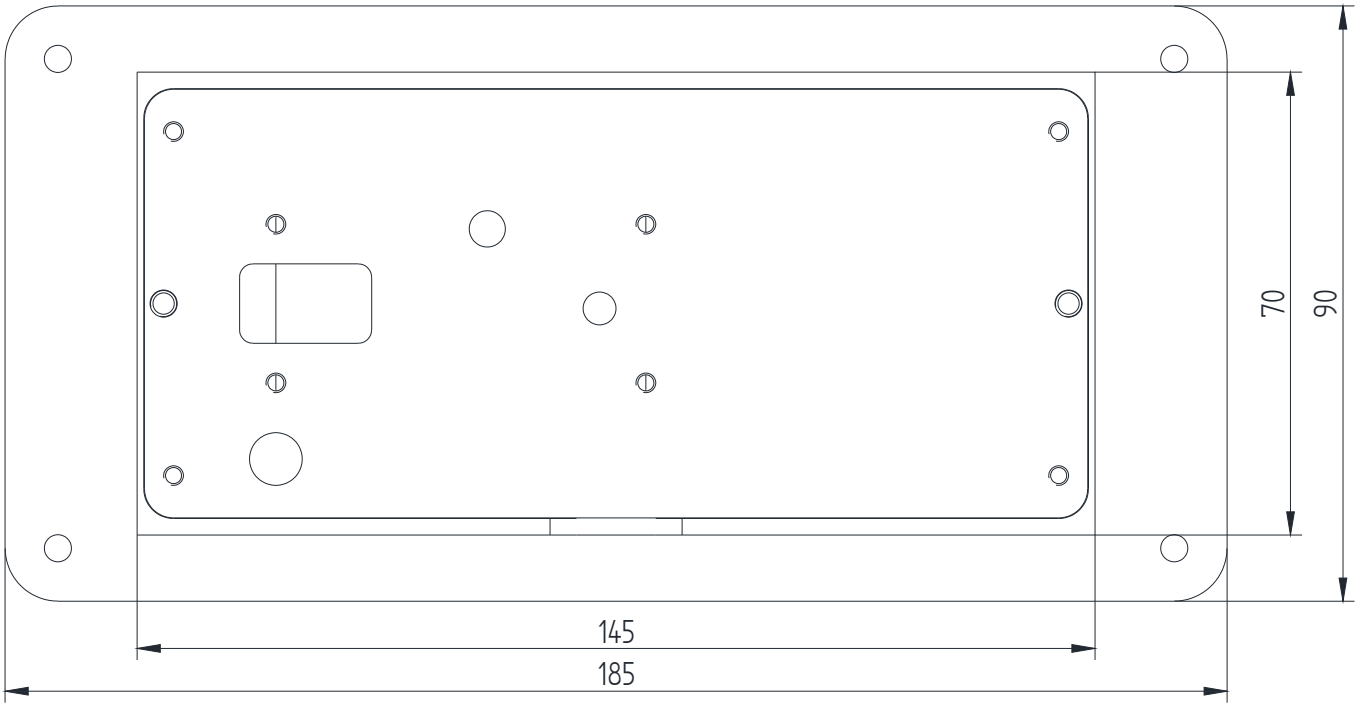


Top cut view

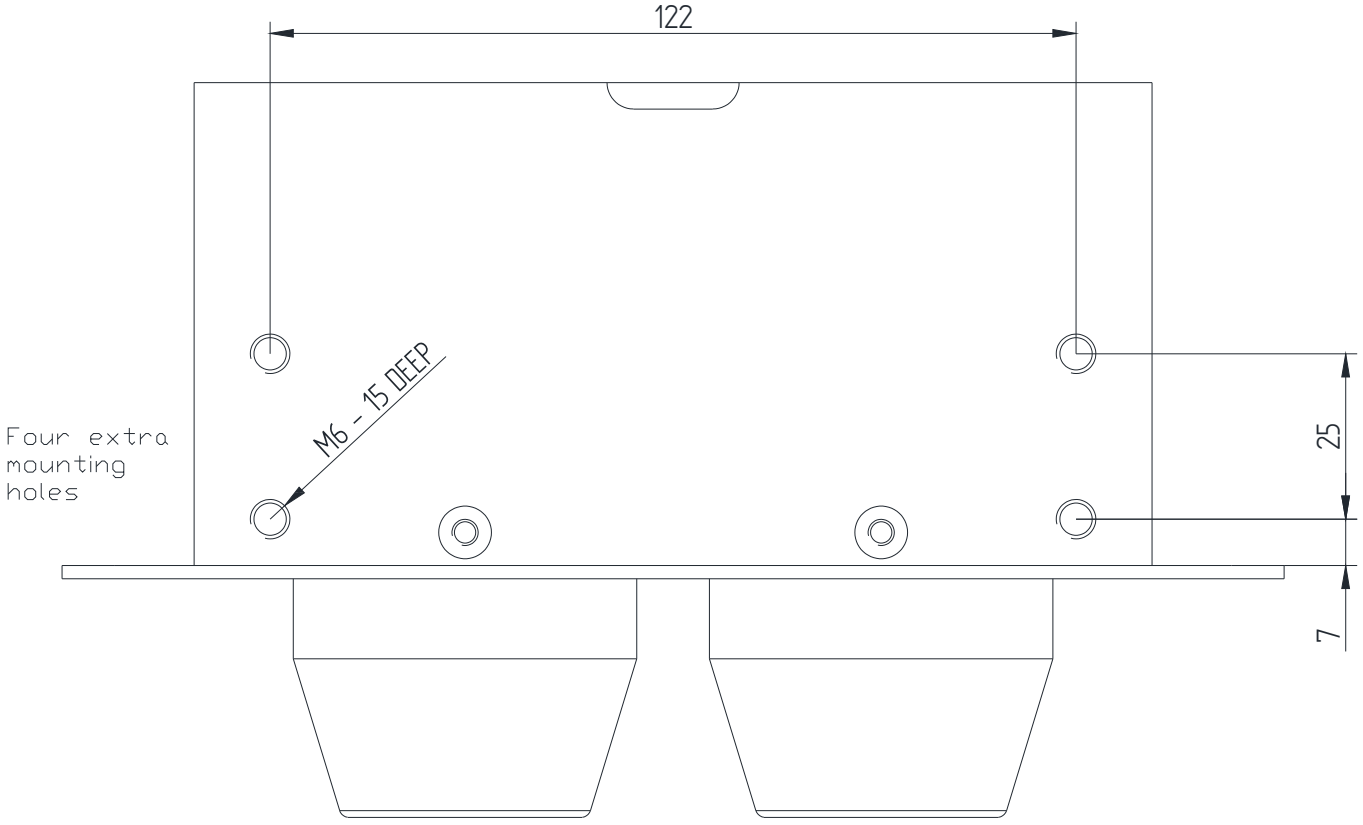


Take at least 80 mm. depth for cabling

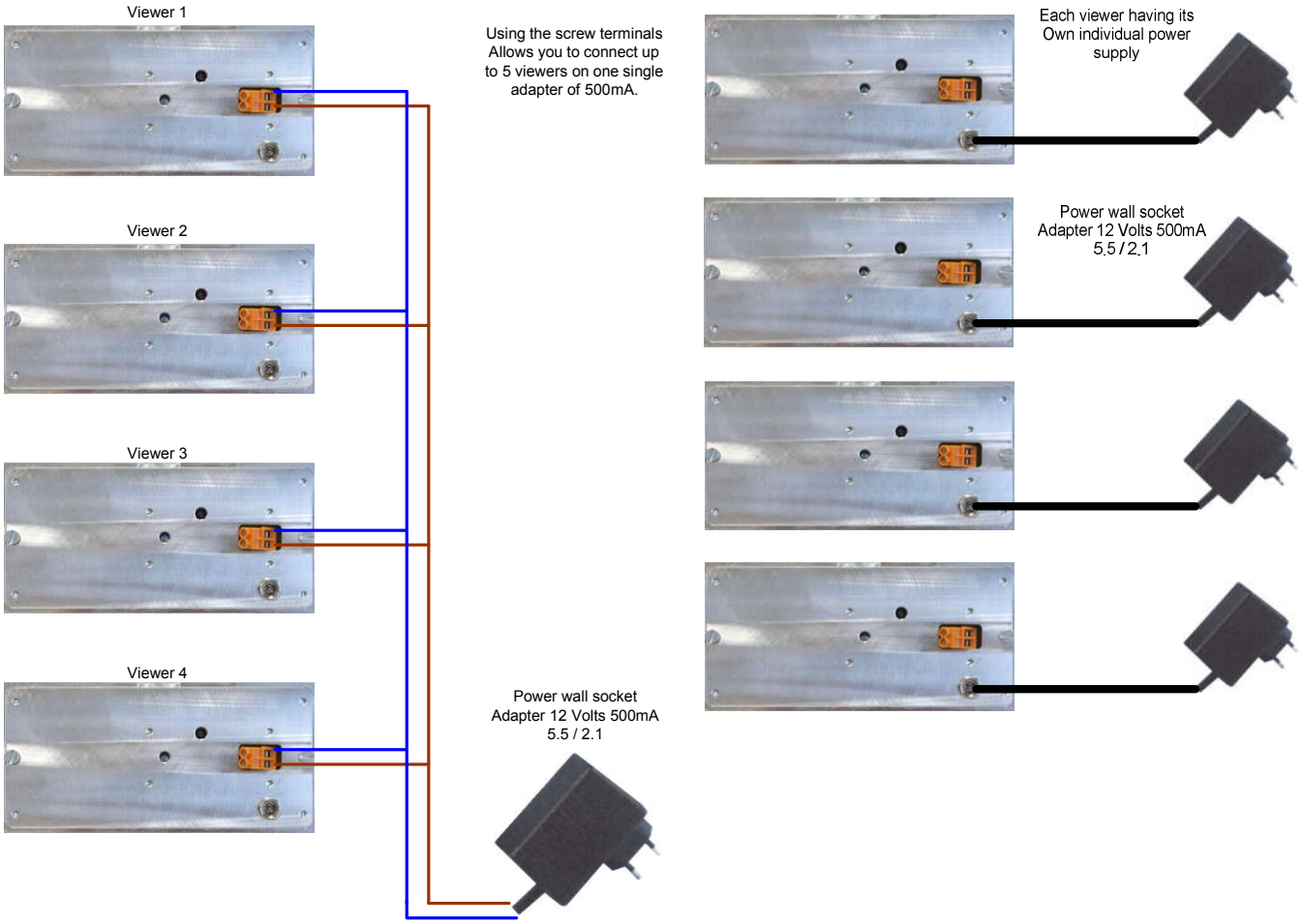
Rear view



Botom view



Power supply configurations

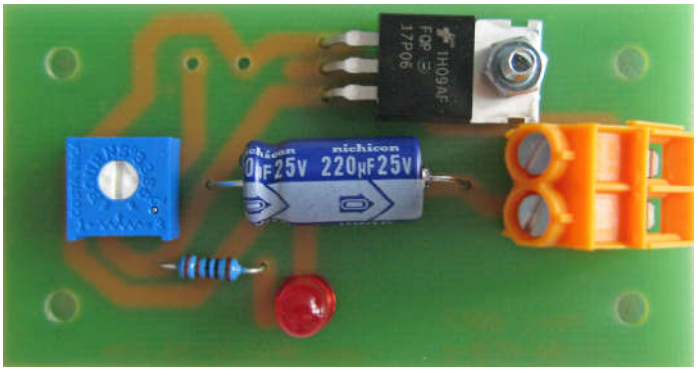


Trouble shooting with panel viewer and illumination.

The below instructions have to be executed by an electronics technician.

- The illumination does not work (12 Volts DC model).

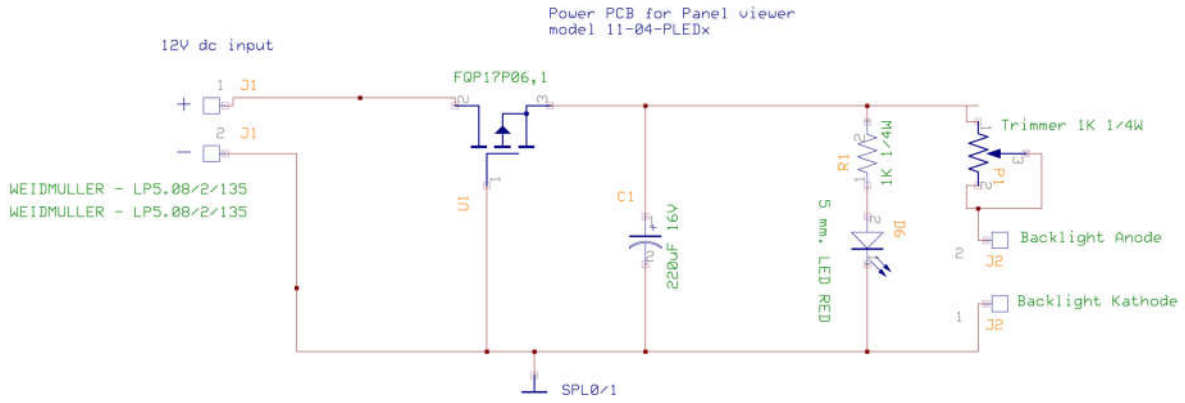
    1. Check that the red indicator on the rear of the viewer is lit, if it does, the circuit / lamp is defect or the adapter gives less than 12 Volts ac.
    2. If the red indicator on the back is not lit, Check that the 12 Volts adapter plug is connected to the viewer socket and the main power of 220-240 Volts.
    3. Check that the adapter gives 12 Volts DC.
    4. Check that the plug to the viewer has the 2.1 mm. inner diameter type attached to the cable. (outer diameter 5.5 mm.). Other plug dimensions will result in a bad connection



(layout pcb 2017)

1. Check that the LED backlight is not broken / damaged!

Convince yourself that you have checked the above items before calling to de Wijs and a lot of transport costs are involved for a replacement viewer.



For replacing just the electronics, only the rear panel (the whole panel with LED backlight and electronics) needs to be send. The Front of the viewer (lenses and aluminium housing) can be left in the wall.