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USER MANUAL FOR THE

PANEL VIEWER



MODELS:

05-04-PSTSLA
05-04-PSTSLM
05-04-PCCFLA
05-04-PCCFLM

Last update 25 May 2007

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

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 (05-04-PSTLA) and 05-04-PCCFLA). Fixed focus. Or meniscus lenses Ø
- Viewing angle 30° with reference to the base.
- 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.
- A CCFL white tube light illumination (05-04-PCCFLx), provides a smooth light source to give the slide its natural bright colours. CCFL stands for Cold Cathode Fluorescent Lamp. Lifecycle is 10.000 hours. Colour temperature is 5500 Kelvin.
- The circuit uses 300 mA. at 12 Volts dc **stabilized**.
  Pay attention to the polarity of the plug!



12Vdc 500mA
2.1 mm plug

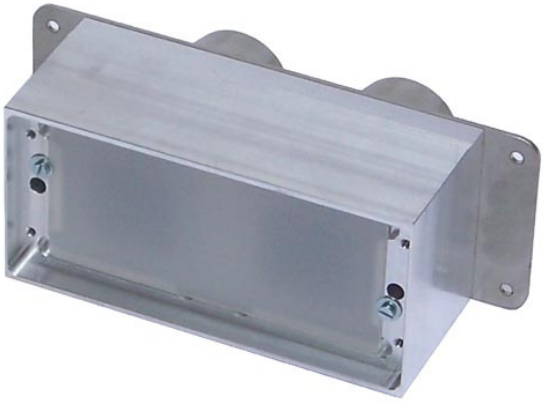
Spare parts for the viewer such as the lenses, the CCFL unit and the frosted acryl plate can be ordered at the de Wijs company.

Warning:

The viewer is shipped with unlocked lens barrels. You can take the barrels out of the housing if needed. Lock them with glue in the housing when it is used.

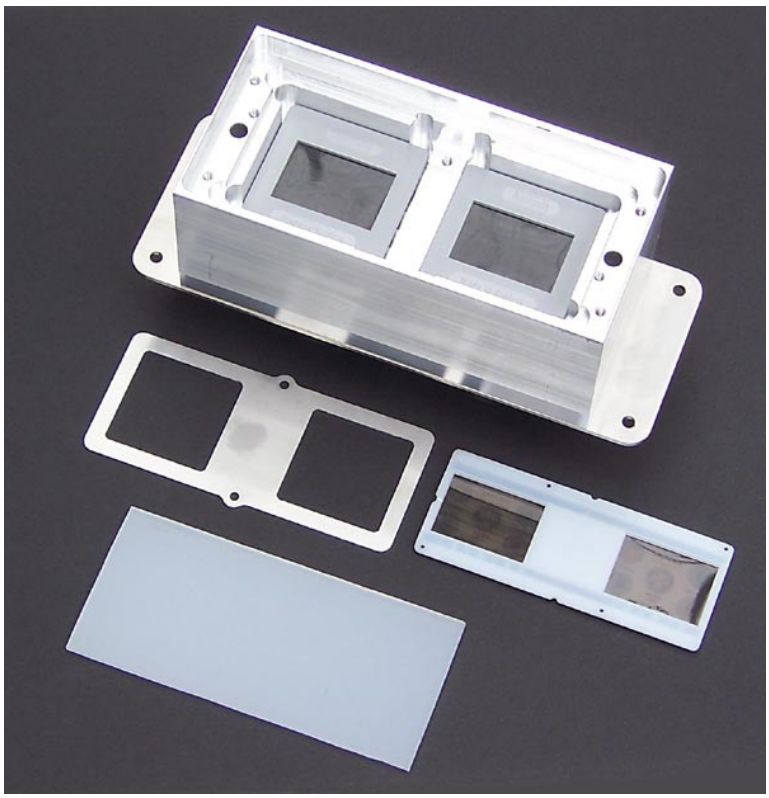
Replacing slides: without lamp

05-04-PSTLx:





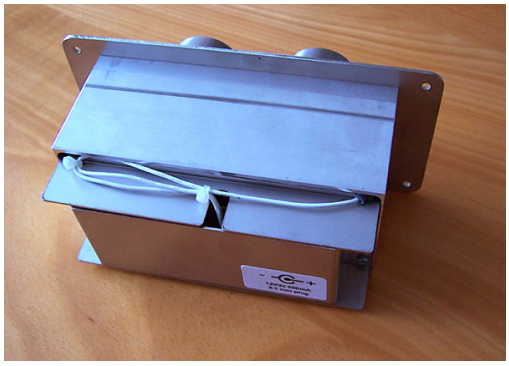
On the rear of the non- illuminated model there is only a frosted glass on the rear.
With two small M3 bolts you can remove this acryl plate and the slide is visible.

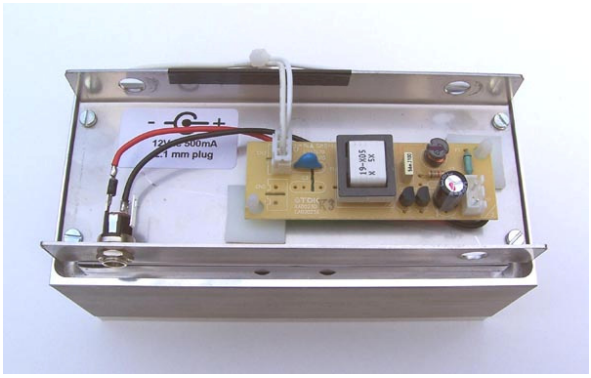


Remove the two bolts holding the small metal frame that keeps the slide in its slot.
Now you are able to exchange the slides.
Check that there is no dust on the slides and on the rear of the lenses. With a soft brush or compressed air you can remove small dust parts.
Remount the small metal frame over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

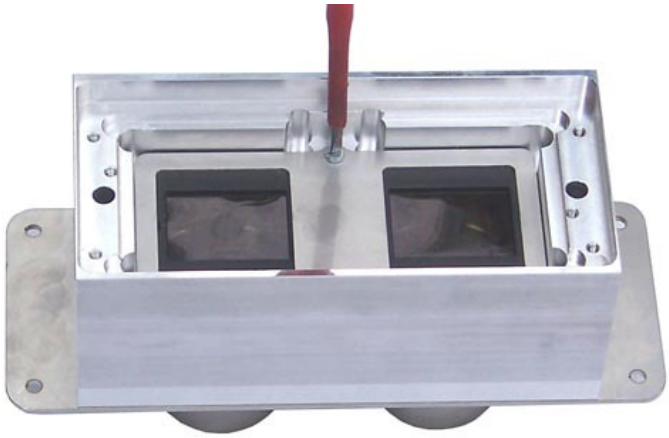
Replacing slides: with CCFL lamp

05-04-PCCFLx:

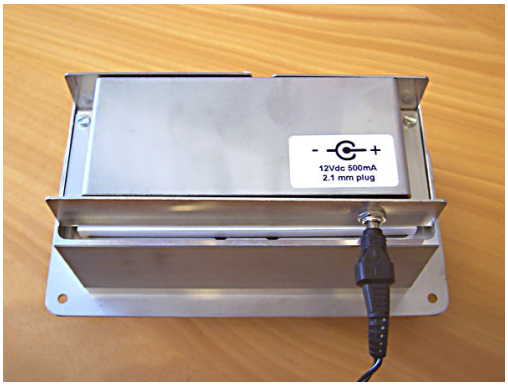




On the rear you see the small invertor for the CCFL lamp mounted on a metal plate. Remove this metal plate that locks up the CCFL panel by removing the four bolts at the edges.



Remove the two bolts 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 bolts.
Then replace the CCFL panel and lock it up with the metal plate holding the CCFL inverter with four bolts. Check that the polarity (+ -) of the adapter matches with that of the viewer. Wrong connections will not turn on the light but does not damage the viewer.

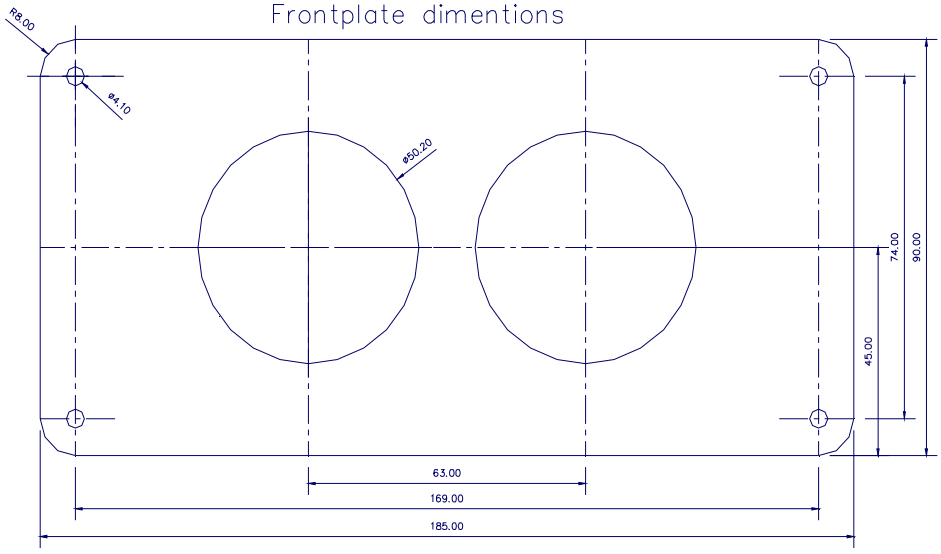




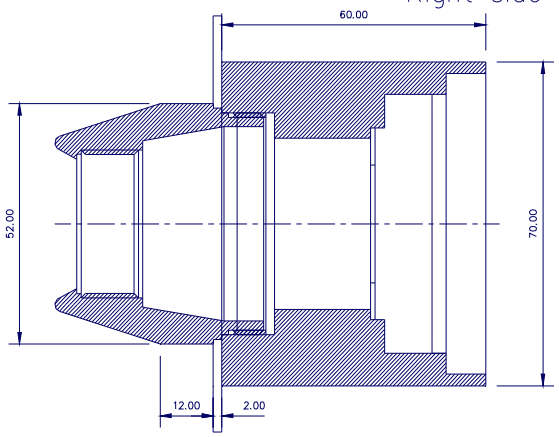


12Vdc 500mA
2.1 mm plug

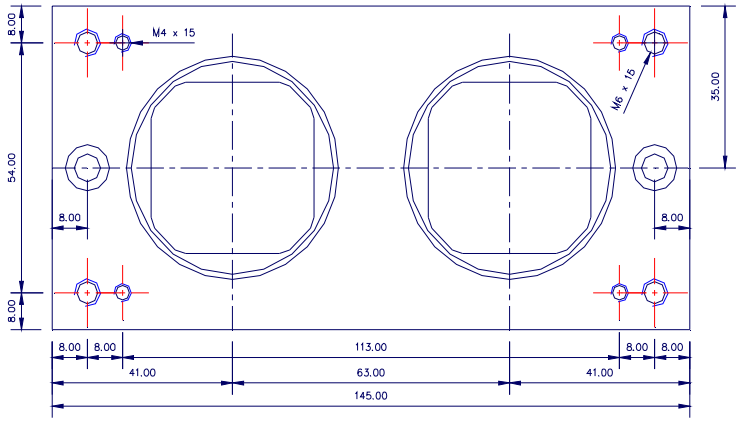
Frontplate dimentions



Right side view



Front view without lenses and frontplate



Trouble shooting with panel viewer and illumination.

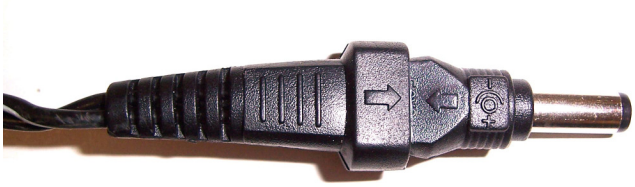
The below instructions have to be executed by an electronics technician.

- The illumination does not work

    1. Check that the 12 Volts adapter plug is connected to the viewer socket and the main power of 220-240 Volts.
    2. Check that the adapter gives 12 Volts dc, not ac and the adapter is stabilized.
    3. Check that the plug to the viewer has the 2.1 mm. type attached to the cable.
    4. The supplied adapter can be switched to other voltages on the bottom, select 12 Volts.
    5. Check that the polarity of the plug has the centre on + and the outside on -, if not you can change this with most adapters on the plug by taking the end of the adapter plug from off the sub- plug and turn it 180 degrees. The below images are showing a correct mounted sub-plug.



12Vdc 500mA
2.1 mm plug



- Nothing seems to be broken, it does still not work.
  Viewer models from mid 2007 are protected against wrong polarity connections. But when applying wrong adapters or for other reasons, you could damage the inverter (high voltage unit for the CCFL tube) and the light will not turn on even with the correct adapter. Check the following:

    1. When it seems like all things to be checked are OK, then the inverter can broken and needs to be exchanged. You can order the inverter at ‘de Wijs’.
    2. Check that the CCFL tube is not broken! The tube is 3 mm. in diameter and can easily break when not handling with care or by accident.
    3. When the CCFL tube is not broken and the adapter is connected, there is a quick work around with a chance that it works. The inverter has been fit out with a small fuse. This is the small green 2-leaded part named ‘F1’ on the PCB. Shortcut this part and the light might turn on…..

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.