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Accessing the Fuses of the AD122-96MkIII, AD122-96MX, DA924, DA-N5, and Synchrony-16

The DA-N5 is currently manufactured with a new PEM and power supply, requiring different fuses. Please see <http://lavryengineering.com/pdfs/lavry-da-n5-fuse-specifications.pdf>

The Power Entry Module (PEM) is a multi-function unit where the AC power cord plugs into the converter. It has an AC power switch and a fuse holder in addition to the IEC C14 AC input receptacle.

The fuse holder is red in color and also serves as a voltage selector.

The only models that require the voltage selector to be set properly are the DA924 and DA2002.

All other models have wide input-range power supplies that can operate on any input voltage in the specified range, which is 90-264VAC 47-63Hz.

On all of these models except the DA924 & DA2002, the voltage selector is wired in a manner that defeats the voltage selection function. It is safe to operate the unit with the voltage selector in either position (“115V” or “230V”) as long as the input AC voltage is between 90 and 264 VAC.

You may still need to access the fuses. Here is a short procedure to do so.

We suggest using a flat blade screwdriver to begin the process of opening the “door” on the PEM that covers the red fuse holder. There is a latch that keeps the door closed in the center of the tab, so we recommend placing the tip of the screwdriver just above or below the center of the tab.

This photo shows the Quintessence DA-N5, but the process is similar for all other models. The voltage setting appears as white lettering on the red background:



Once the latch releases, you can open the door completely by hand. This photo shows the door half-way open. The door latch is visible where it overlaps the red fuse holder:



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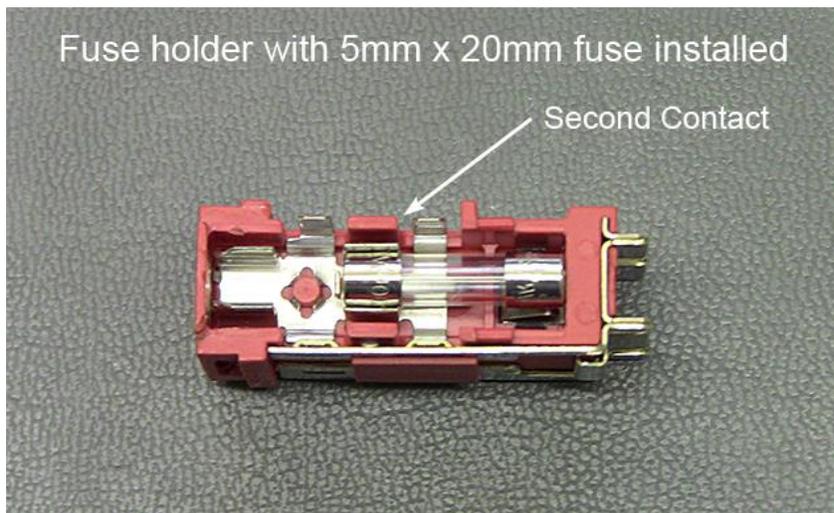
Use a flat blade screwdriver to pry the red fuse holder out of the PEM far enough to release it. Remove it completely by hand. Please do not pry on the corners of the fuse block as they can be damaged in the process.

There is a slot in the side of the fuse holder for the tip of the screwdriver:



Always replace the fuses with the same value and type that was installed (Fast blow or Time Delay), or check the product information on our website for up-to-date information on fuse values. lavryengineering.com

The recommended 5mm x 20mm fuses must be installed as shown in this photo. There is a second spring-loaded contact near the middle of the opening in the red fuse holder/voltage selector:



We recommend inserting the end of the 5 x 20mm fuse into the second contact, then pressing the other end into the fuse holder.

When re-inserting the fuse holder, it is important to press it straight into the PEM to avoid dislodging the fuses from the spring-loaded contacts. If the unit does not power "on" after inserting the fuse holder, check to be certain one of the fuses did not become dislodged when the fuse holder was installed.

Please be certain the fuse holder is fully inserted into the PEM before closing the door. If the door does not close completely, open it and try pressing firmly on the fuse holder to fully insert it into the PEM.