
MODEL 5030

SWITCHING POWER SUPPLY CARD

POWER SWITCH AND INDICATORS

The Models 5030 has a power switch and LED indicators located on the front edge of the card for visibility and accessibility when the card is installed. The ON/OFF switch is located at the lower edge of the card. When the switch actuator is down, the power supply is OFF, and ON when the switch actuator is up.

The LEDs are arranged in a column. The bottom LED indicates that the +15 VDC supply is operating. The next LED indicates that the +15 VDC phantom power supply is operating. The top LED indicates that the -15 VDC power supply is operating.

CARD INSTALLATION

- >> **Power MUST be switched OFF, the power cord MUST be disconnected before removing or inserting the power supply into slot 13 of the 5032-6 or 5032-12 Mainframe. Failure to observe these precautions may result in electric shock and/or 1 damage to the equipment and will void the warranty.**

To insert a power supply card in the mainframe, position it in slot 13, the extreme right-hand slot, so that the component side of the card is to the right (as viewed from the front) and the card ejector is on the upper front corner. Slide the card in until it contacts the card edge connector. Press gently but firmly to seat the card.

- >> **WARNING! Do NOT operate the Model 5030 power supply without at least a load of 10 mA or 1 function card. Operation with no load will cause filter capacitor voltage ratings to be exceeded and will result in explosion of capacitors.**

FUSES

Three fuses are used to protect the power supplies, one for the incoming AC power, one for the +15 VDC supply, and one for the -15 VDC supply. If any of the LED indicators is not lit, the +15 V and -15 V fuses should be checked. To check the fuses, turn off the power, remove the line cord to the mainframe in which the power supply is located, and remove the power supply. **DO NOT TOUCH THE CARD EDGE FINGER CONTACTS WHEN THE POWER SUPPLY IS FIRST REMOVED.** There may be a danger of electric shock. Wait approximately 5 minutes to allow the capacitors to discharge before handling the power supply.

The fuses are located on the rear portion of the printed circuit board. See figure 1. Remove suspected fuses and check with a suitable fuse checker. Replace, if necessary, with fuses of the same type and rating.

The line fuse is not intended for field replacement. If the line fuse fails, the unit must be returned to the factory for service.



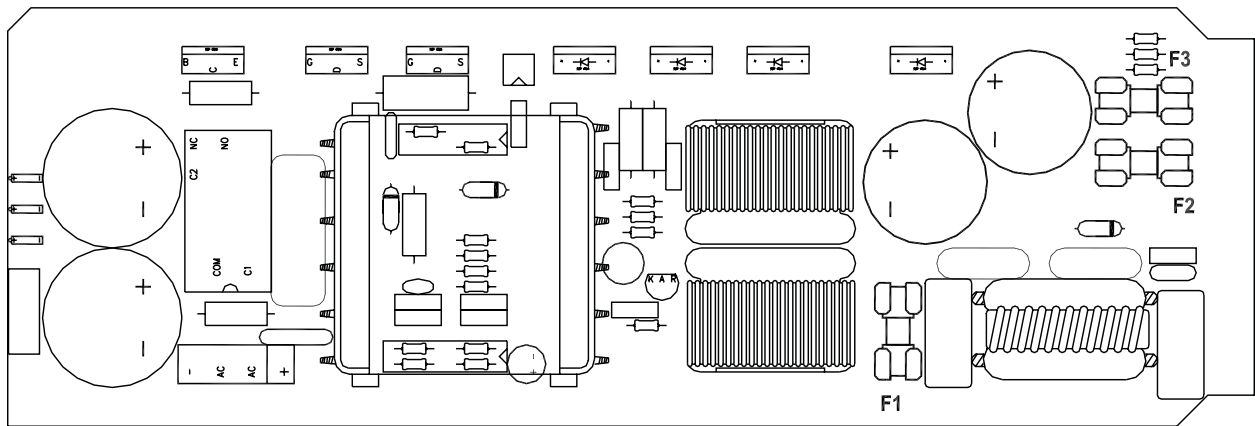


Figure 1 - 5030 Fuse Locations.
Card shown with heat sink removed

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