Power Supply Replacement

The new 280W Single (4800AR-233-02) and 560W Dual (4800AR-235-02) control panel power supplies replace the existing 250W Single (4800AR-233) and 500W Dual (4800AR-235) power supplies used in the Acuity® control panel.

> **Notice:** The new power supplies are not compatible with the old power supplies. Do not mix old and new power supplies. If you have multiple older power supplies installed in the control panel, you must replace both of them with the new power supplies.

> **Notice:** The cable bundle used with the old revision of power supplies is not compatible with the new power supplies.

Table 1: Power Supply and Cable Compatibility

Power Supply	Cable
Old Power Supplies	
4800AR-233 (250W)	4800CR-323-02
4800AR-235 (500W)	4800CR-329-02
New Power Supplies	
4800AR-233-02 (280W)	4800CR-333-01
4800AR-235-02 (580W)	4800CR-339-01

To Replace the Panel Power Supply

> ⚡ **Warning Hazardous Voltages:** Hazardous voltages are present in this device as long as any of the power supplies are connected to the AC power.

> ⚠ **ESD Susceptibility:** Static discharge can cause serious damage to sensitive semiconductor devices. Avoid handling the switcher circuit boards in high static environments such as carpeted areas and when synthetic fiber clothing is worn. Touch the frame to dissipate static charge before removing boards from the frame and exercise proper grounding precautions when working on circuit boards.

1. Power off the control panel and disconnect the AC power.
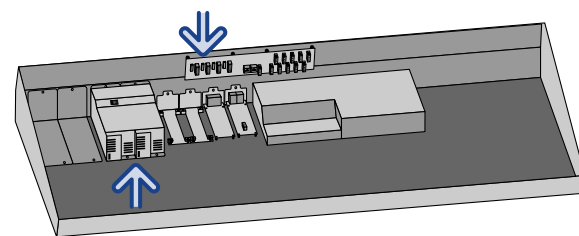2. Open the control panel locate the power supplies. There will be a label on the top of the power supply to identify the hardware revision. You may have one or two power supplies, depending on options purchased.

> **Notice:** Older revisions of the power supplies are identified as 4800AR-233 or 4800AR-235 and are not compatible with the new 4800AR-233-02 or 4800AR-235-02 power supplies. All older revision power supplies must be removed from the control panel.
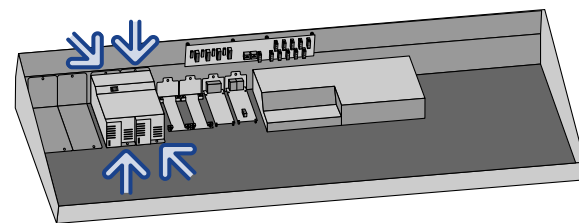
3. Remove the old cable bundle that connects the power supply to the Power Distribution Board mounted on the back of the control panel tub.

> **Tip:** When removing the old cables, take not of which power supply is connected to which connector on the Power Distribution Board so you can connect the new power supply to the same connector.
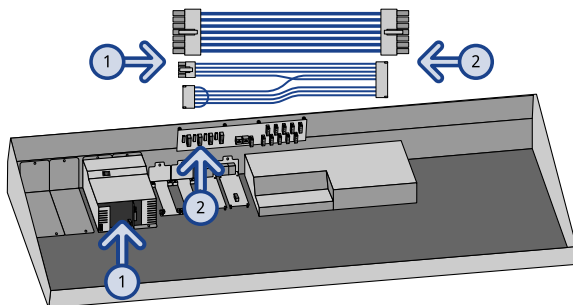

> **Notice:** The cable bundle (4800CR-323 or 4800CR-329) used with the old revision power supply is not compatible with the new power supplies. You must remove the old cable bundle completely from the control panel.

4. Remove the retaining nuts holding the power supply, or blank plate, in place and remove the power supply. You will need to keep the nuts to install the new power supply.
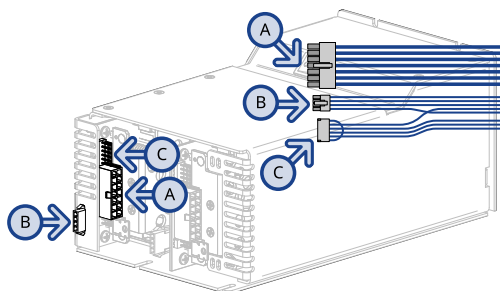

5. Install the new power supply in the empty slot and use the retaining nuts to secure it in place.

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6. Install the two-connector end of the new cable harness (4800CR-333 or 4800CR-339) into the ports on the Power Distribution Board on the back of the panel tub that the old power supply was connected to.

7. Connect the three connectors on the other end of the cable harness to the indicated ports on the power supply.

> **Note:** If you have a Dual (4800AR-235-02) power supply, repeat these steps for the second cable harness to the other connects on the power supply.

8. Reconnect the AC power to the power supplies and power on the control panel.

> **Tip:** You can navigate to the **Status** menu to verify that the new power supplies are operating correctly.