

**ATTENTION****Preventing Electrostatic Discharge**

This equipment is sensitive to electrostatic discharge, which can cause internal damage and affect normal operation. Follow these guidelines when you handle this equipment:

- Touch a grounded object to discharge potential static.
- Wear an approved grounding wriststrap.
- Do not touch connectors or pins on component boards.
- Do not touch circuit components inside the equipment.
- If available, use a static-safe workstation.
- When not in use, keep modules in appropriate static-safe packaging.

## What This Package Contains

When you receive your 1771-P4R or -P6R power supply, you should see the following in the box:

- one 1771-P4R or 1771-P6R power-supply module
- one 3-position terminal block (attached to module)
- one 5-position terminal block (attached to module)
- one redundant cable

## Installing the Power-supply Module

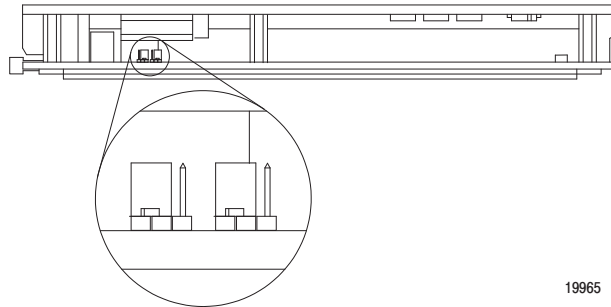
To install your power supply module you perform these tasks:

To perform this task	See page
set the jumpers	5
set the I.D. selection and configuration switches	6
place the power supplies	7
connect the redundancy cables	8
wire the alarm relay	8
connect input power	10

## Set the Jumpers

Each power supply module has two jumpers located at the back of the power supply near the edge connectors. The jumper selection provides the proper voltage regulation for the different power supply configurations. The power supply can be configured to support local or remote sensing by setting the jumpers.

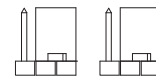
1. Locate the power supply jumpers on the back edge of the module near the gold-plated edge connectors:



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2. Position the power supply module so that the jumpers and pins are facing **upward**.
3. Use needle nose pliers to position the jumpers as shown in this table.

For this configuration	Set jumpers to
All power supplies in a power-supply chassis (1771-PSC) connected to an I/O chassis.	right position 
All other configurations. (These power supplies are shipped with jumpers set to the left.)	left position 



### **IMPORTANT**

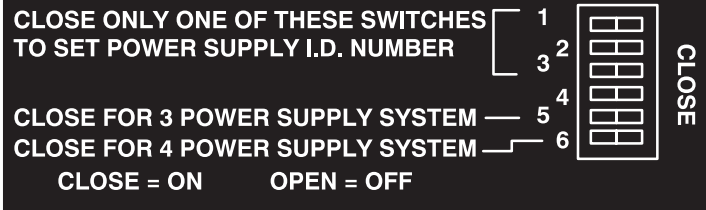
To avoid system malfunctions, set the jumpers of power supplies in 1771 I/O chassis to the left position.

## Set the I.D. Selection and Configuration Switches

Each power supply in a redundant system must be assigned a different identification number. To do this, you must set the I.D. selection switches located on the left side of the module (shown below). A cutout in the metal cover of the module provides access to these switches.

### I.D. Selection Switch

Switches	Are set
1, 2, 3, 4	for the power supply identification number
5, 6	based on the configuration zone



To set the switches:

1. Close the I.D. selection switch (1, 2, 3, or 4) that represents the number you selected for that power supply.
2. Determine the configuration zone being used so you can set switches 5 and 6.

### TIP

*To determine the configuration zone, you must know the maximum chassis current draw and the ambient air temperature of the chassis.*

Maximum Current Draw (A)	Ambient Temperature	Configuration Zone
0-8	55°C	A
	60°C	
8-14	55°C	B
	60°C	
14-16	55°C	B
	60°C	C
16-20	55°C	C
	60°C	
20-24	55°C	C
	60°C	not permitted

3. Use the following table to position switches 5 and 6 based on the configuration zone you determined.

If Configuration Zone Is	Set Switches
A	5 and 6 OPEN
B	5 CLOSED and 6 OPEN
C	5 OPEN and 6 CLOSED