Locating the Module in the I/O Chassis

Place your module in any I/O module slot of the I/O chassis except for the extreme left slot. This slot is reserved for PC processors or adapter modules.

Group your modules to minimize adverse affects from radiated electrical noise and heat. We recommend the following.

- Group analog input and low voltage dc modules away from ac modules or high voltage dc modules to minimize electrical noise interference.
- Do not place this module in the same I/O group with a discrete high-density I/O module when using 2-slot addressing. This module uses a byte in both the input and output image tables for block transfer.

Setting the Configuration Plugs on the Module

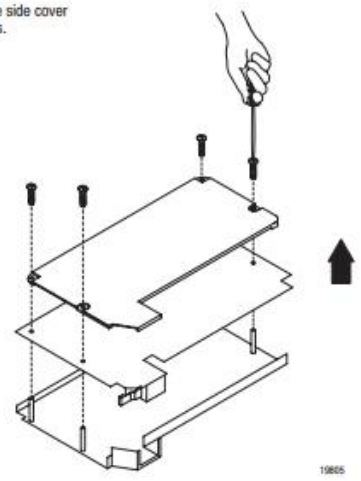
The analog input module (1771-IFE/C) has configuration plugs for determining the input type (voltage or current) desired for each input. **The module comes from the factory with the configuration plugs positioned for voltage mode.**

Note that you can select either voltage or current for each input, but they must all be either single-ended or all differential.

Important: Do not mix single-ended and differential inputs on the module.

To set the configuration plugs for your desired inputs:

1 Remove the four screws securing the side cover to the module and remove the covers.



Before You Install Your Input Module

Before installing your input module in the I/O chassis:

You need to:	As described under:
Calculate the power requirements of all modules in each chassis.	Power Requirements, page 2–2.
Determine where to place the module in the I/O chassis.	Module Location in the I/O Chassis, page 2–3.
Set the Series A/B simulation jumper.	Setting the A/B Simulation Jumper, page 2–5
Key the backplane connector in the I/O chassis.	Module Keying, page 2–6.
Make connections to the wiring arm.	Wiring Your Input Module, page 2–8 and Grounding, page 2–13.

Important: **The 1771-IFE module is shipped from the factory set for voltage mode and Series C applications.** Refer to "Setting the Configuration Plugs on the Module"on page 2–3 for other combinations of current and voltage inputs and "Setting the Series A/B Simulation Jumper" on page 2–5.

Electrostatic Damage

Electrostatic discharge can damage semiconductor devices inside this module if you touch backplane connector pins. Guard against electrostatic damage by observing the following precautions:

ATTENTION: Electrostatic discharge can degrade performance or cause permanent damage. Handle the module as stated below.

- Wear an approved wrist strap grounding device, or touch a grounded object to rid yourself of electrostatic charge before handling the module.
- Handle the module from the front, away from the backplane connector. Do not touch backplane connector pins.
- Keep the module in its static-shield bag when not in use.

Power Requirements

Your module receives its power through the 1771 I/O power supply. The module requires 500mA from the backplane.

Add this current to the requirements of all other modules in the I/O chassis to prevent overloading the chassis backplane and/or backplane power supply.