



# TECHNOTES

Product Group: Hitachi Inverters

Subject: PLC connection to SJ300 Intelligent Input Terminals

Last revised: 07/05/01

SJ300 intelligent input terminals.pdf

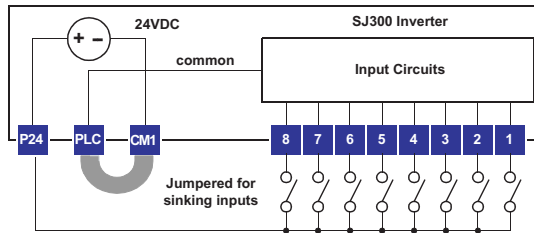
## Using Intelligent Input Terminals

Intelligent terminals 1, 2, 3, 4, 5, 6, 7, and 8 are identical, programmable inputs for general use. The intelligent inputs can be used to interface the inverter to switches or the outputs of another system, such as a PLC. The input circuits can use the inverter's internal power supply or an external power supply or PLC system to power the inputs.

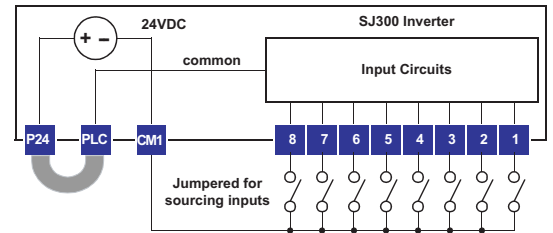
### Connecting to the Internal Power Supply

The SJ300 has an internal (isolated) +24V field supply (**P24**). The input circuits are connected internally to **PLC** as a common point. To use the internal supply to power the inputs, use the jumpers as shown below.

Sinking inputs, internal power supply



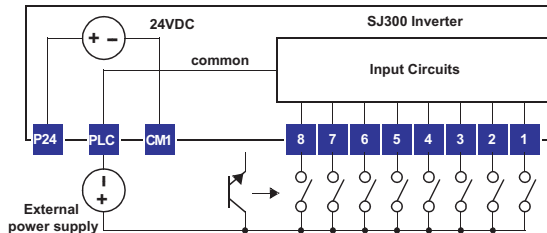
Sourcing inputs, internal power supply



### Connecting to an External Power Supply

Remove the jumper to use an external supply or to interface to a PLC system (or other control system) with solid state outputs. If you use an external supply or PLC system, its power return must connect to the **PLC** terminal on the inverter to complete the input circuit.

Sinking inputs, external power supply



Sourcing inputs, external power supply

