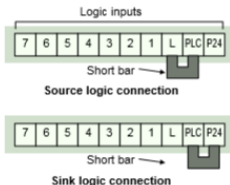


## Using Intelligent Input Terminals

Terminals [1], [2], [3], [4], [5], [6] and [7] are identical, programmable inputs for general use. The input circuits can use the inverter's internal (isolated) +24V field supply or an external power supply. This section describes input circuits operation and how to connect them properly to switches or transistor outputs on field devices.

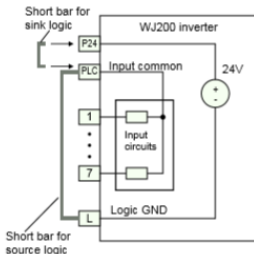
The WJ200 inverter features selectable *sinking* or *sourcing* inputs. These terms refer to the connection to the external switching device—it either *sinks* current (from the input to GND) or *sources* current (from a power source) into the input. Note that the sink/source naming convention may be different in your particular country or industry. In any case, just follow the wiring diagrams in this section for your application.

The inverter has a short bar (jumper) for configuring the choice of sinking or sourcing inputs. To access it, you must remove the front cover of the inverter housing. In the figure to the top right, the short bar is shown as attached to the logic terminal block (connector). For EU and US version (suffix -xFE, and -xFU), it is originally located as source type logic. If you need to change to the sink type connection, remove the short bar and connect it as shown in the figure at the bottom right.



**CAUTION:** Be sure to turn OFF power to the inverter before changing the short circuit bar position. Otherwise, damage to the inverter circuitry may occur.

[PLC] Terminal Wiring - The [PLC] terminal (Programmable Logic Control terminal) is named to include various devices that can connect to the inverter's logic inputs. In the figure to the right, note the [PLC] terminal and the short bar (jumper). Locating the short bar between [PLC] and [L] sets the input logic source type, which is the default setting for EU and US versions. In this case, you connect input terminal to [P24] to make it active. If instead you locate the short bar between [PLC] and [P24], the input logic will be sink type. In this case, you connect the input terminal to [L] to make it active.



The wiring diagram on the following pages show the four combinations of using sourcing or sinking inputs, and using the internal or an external DC supply.