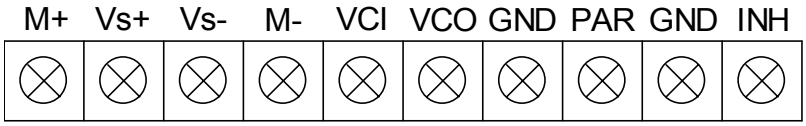
T2KOS POWER SUPPLY
TERMINCAL BLOCK LOGIC FUNCTIONS

1. Configuration



2. Explanation

The T2KOS power supply as shipped from the factory is configured for proper operation. Apply proper input power and the output voltage can be drawn from the + and – heavy duty bus bars.

The logic signals appear on a terminal block on the top left corner of the front panel. The function of each terminal is marked above it. The following is a description of each function:

Function Name	Function	Connections
INH	Inhibit	"INH" terminal as shipped from the factory will allow normal operation when shorted to the adjacent terminal labeled "GND". If the short is removed, the power supply will be inhibited and no output will appear. Power supply can be remotely controlled via a relay or mechanical switch.
GND	Logic Ground	Logic ground.
PAR	Paralleling	"PAR" terminal as shipped from the factory will allow normal operation as a stand alone power supply. For parallel operation, the PAR terminal of all paralleled power supplies should be connected together by shielded wire or twisted wire. Next connect the GND terminal of each power supply together. If shielded wire is used, connect the shield to the GND terminals of the paralleled units. If a pair of twisted wire is used, one should be used to connect the PAR terminals and the other the GND terminals. Up to 4 units can be connected in parallel. *Note: Before paralleling the power supplies, set the output voltage of each unit as closely as possible under the same load conditions separately. This will allow for proper sharing when the units are in parallel.*
GND	Logic Ground	Logic ground.

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VCO	External Reference	"VCO" terminal as shipped from the factory will allow normal operation when shorted to the terminal labeled VCI. For external programming of the output voltage, the connection between VCO and VCI is removed and an external 0-5V reference voltage is connected externally between the VCO terminal and any GND terminal. At 5V the power supply will deliver full output voltage. At below 5V, the output voltage will be proportionally set. The + of the external reference should go to VCO.
VCI	Internal Reference	"VCI" terminal as shipped from the factory will allow normal operation when shorted to VCO. If an external reference is applied to VCO, the VCI to VCO jumper is to be removed.
M- M+	Meter (-) Side Meter (+) Side	"M+, M-" terminals as shipped from the factory will allow normal operation. To measure output voltage, connect negative side of the voltmeter to the M- terminal and the positive side of the voltmeter to M+ terminal.
Vs- Vs+	Negative Sense Positive Sense	"Vs+, Vs-" terminals as shipped from the factory will allow normal operation. For remote sense, Vs- should be connected to the negative side of the load and Vs+ to the positive side of the load. Remote sense compensates for load wire voltage drop and provides regulation at the load. Shielded wire or twisted pair is recommended