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POWER • MEASUREMENT • CONTROL



**INSTRUCTION MANUAL**

MODEL DLVP 50-120-1500

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274 S. Salem St., Randolph, New Jersey 07869

## INSTRUCTION MANUAL--MODEL DLVP 50-120-1500

The circuit breaker used to connect the source to the power devices in the load is electronically controlled and senses overcurrent, over-dissipation (volts x amps), and overvoltage.

In the event of an overvoltage or over-temperature condition, protection circuits open the electronic circuit breaker. In the event of an overcurrent or over-power condition, circuitry is activated to limit the load current, and a front panel "power limit" LED is lit. If the current and power are increased further, protective circuitry will open the electronic circuit breaker. The power transistors are turned off prior to the circuit breaker opening.

## 2. SPECIFICATIONS

The following ratings apply:

|                    |   |
|--------------------|---|
| Load voltage:      | 0-50V   |
| Load current:      | 0-120A  |
| Power dissipation: | 0-1500W   |
| Overload rating:   | 20%   |
| Self-protection:   | Overvoltage--less than 60V<br>Overcurrent--less than 140A<br>Over-power---less than 1750W |

Mode Selector Switch Positions, from left to right:

Position 1: Constant resistance 0-5 A/V as determined by the front panel DC load adjust

Position 2: Constant resistance 0-30 A/V as determined by the front panel DC load adjust

Position 3: Constant current 0-30A as determined by the front panel DC load adjust

Position 4: Constant current 0-120A as determined by the front panel load adjust