

MASTER / SLAVE SERIES ADAPTER



Features

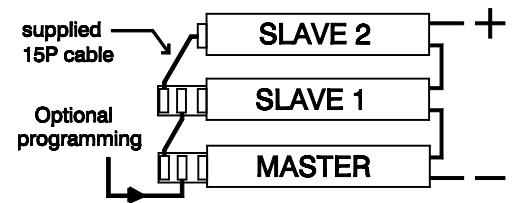
- Easy way of connecting power supplies in master / slave series mode
- Provides equal voltage sharing when using power supplies in series
- Series operation possible up to 600 V total voltage
- The master power supply can be the upper or the lower power supply in the series system

General

A 15 pole 1:1 cable (0.6m) is supplied with the ADAPTER.

The number of M / S SERIES ADAPTERS needed is one less than the number of power supplies in the series system (see example).

Maximum total voltage of all units in series may not exceed 600 V. For remote programming and monitoring please refer to the power supplies' manual.



Example with 3 power supplies

Specifications

Slave programming voltage	
Offset	$\pm 60 \mu\text{V}$ typical, $\pm 180 \mu\text{V}$ max.
Full scale error	0.1 % calibrated.
Non-linearity	0.01 % typical, 0.05 % max.
Temperature coefficient	- 65 ppm typical.
Common mode rejection	80 dB @ 50 Hz.
Voltage range	0 - 5 V.

The full scale voltage of the M / S SERIES ADAPTER is factory-calibrated within 0.1 %.

Offset, full scale error, non-linearity and temperature coefficient have to be added to the specifications of the power supply.