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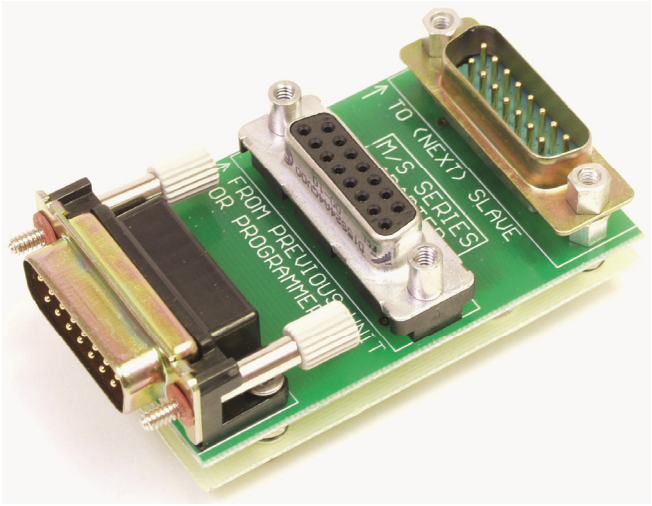


MASTER SLAVE - SERIES ADAPTER

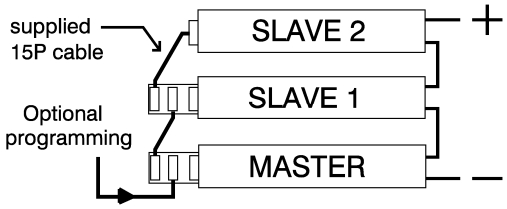
CE

Features

- Connecting ES-150 and ES-300 in Master/Slave series mode
- Connecting SM800, SM1500N and SM6000-series in Master/Slave mixed series+parallel blocks
- The master power supply can be upper or the lower power supply in the series
- Easy way of connection power supplies in the master /slave series mode
- Equal voltage sharing in the series operation
- Series operation possible up to 600 V

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).
- For remote programming and monitoring please refer to the power supplies' manual.



Example with 3 power supplies

Specifications

• Programming and monitor offset	: +/- 60 mV typical
• Full scale error	: 0.1 % calibrated
• Non-linearity	: 0.01% typical, 0.05 % max. TC = 65 ppm/°C
• Common mode rejection	: 80 dB @ 50 Hz
• Temperature coefficient	: -65 ppm typical
• Voltage range	: 0 - 5 V
• Offset	: ±60 mV typical, ± 180 mV max

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.

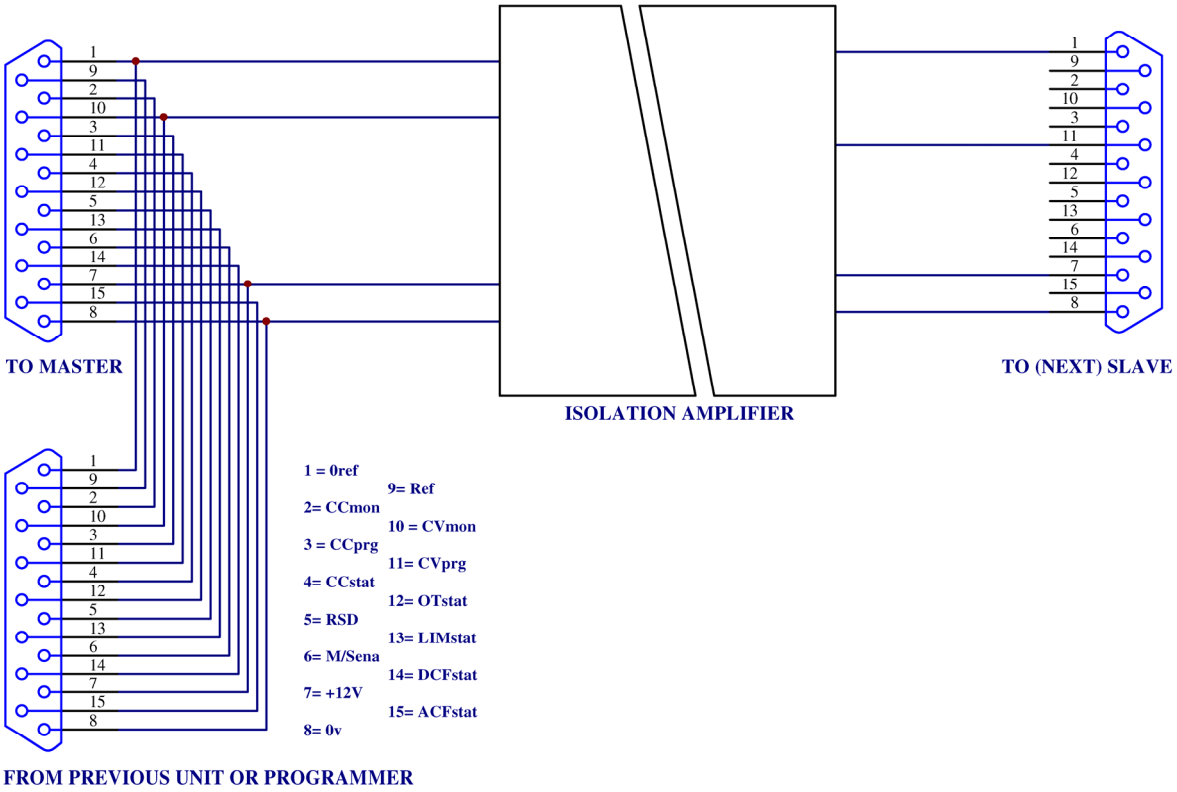
Installation

- Switch off the power supplies and connect the outputs in series.
- Determine which unit (upper or lower) you want to use as master and plug the M / S SERIES ADAPTER in the 15 pole programming connector on the master power supply.
- Connect the standard 15 pole (1:1) cable between the connector 'TO (NEXT) SLAVE' on the adapter and the 15 pole programming connector on the slave power supply.
- Put the CV programming switch on the slave power supply in position REMOTE.
- Turn the CV control of the master power supply fully counter clockwise and switch all units on.
  When you turn the CV control clockwise all power supplies should have the same output voltage.

  Note: The total output voltage is the sum of the voltages indicated on the power supply's voltmeters.

- The series system can either be controlled manually with the front panel CV control or programmed by an external voltage.

- To program the series system put the CV programming switch on the master in position REMOTE.
  Connect your programming source to the connector labeled 'FROM PREVIOUS UNIT OR PROGRAMMER' on the ADAPTER that is plugged into the master power supply.



Simplified circuit diagram.

WEEE (Waste Electrical & Electronic Equipment)

Correct Disposal of this Product.

Applicable in the European Union.

This marking shown on the product, its packing or its literature indicates that it should not be disposed with other wastes at the end of its working life, but should be collected separately to recycle it responsibly to promote the sustainable reuse of material resources.