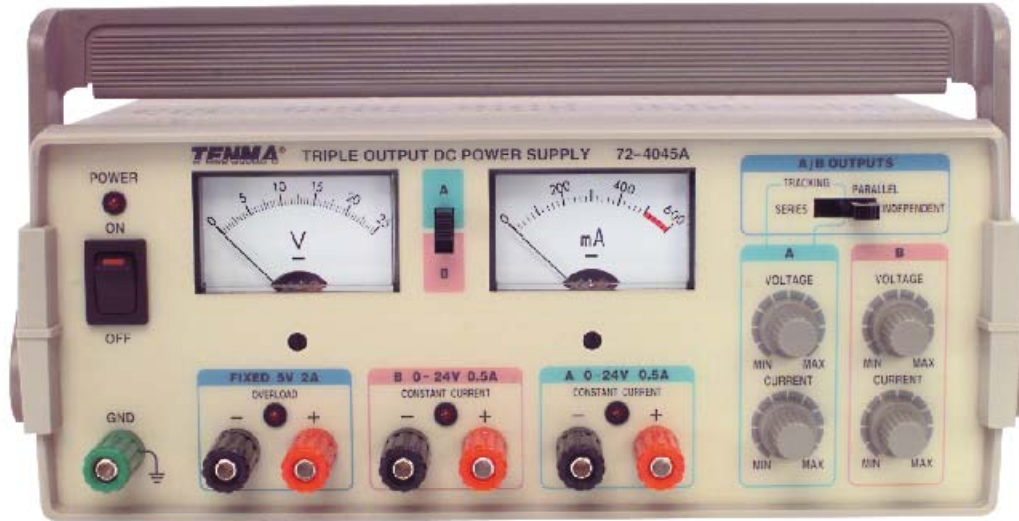




REVISIONS

DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398

| DCP # | REV | DESCRIPTION | DRAWN | DATE | CHECKD | DATE | APPRVD | DATE |
|-------|-----|-------------|-------|---------|--------|---------|--------|---------|
| 430 | A | RELEASED | JWM | 1/16/03 | HO | 1/16/03 | DJC | 1/16/03 |



"A" and "B" Supplies (Variable)

Output Voltage Range: 0 to 24 VDC (0±100mV)

Output Current Range: 0 to 0.5A

Constant Voltage Operation

Voltage Regulation:

Load: ≤0.01% + 3mV

Line (108~132V): ≤0.01% + 3mV

Ripple & Noise: ≤2 mV rms (5Hz to 1 MHz)

Recovery Time: ≤100 μs typical

Temp. Coefficient: (0°C~40°C) ≤500 ppm/°C

Tracking Error:

No Load: ≤0.2% + 20mV

Full Load: ≤0.2% + 100mV

Constant Current Operation:

Adjustable Current Limits: ≤30 mA to ≥500 mA

Current Regulation:

Load: ≤0.2% + 6 mA

Line (108~132 V): ≤0.2% + 3 mA

Ripple Current & Noise: ≤3 mA rms

Metering ("A" & "B" only)

Voltmeter:

Range: 0 to 25V

Accuracy: ≤2.5% of Full Scale

Ammeter:

Range: 0 to 600 mA

Accuracy: ≤2.5% of Full Scale

Fixed 5 V Supply

Output Voltage: 5 V ±100 mV

Maximum Current: ≥2 A

Load Regulation: ≤10 mV

Line Regulation (108~132V): ≤5 mV

Ripple & Noise: ≤2 mV rms (5Hz to 1 MHz)

General

Power Requirements: 100/120/220/240 VAC ±10 %, 50/60Hz

Power Consumption: 175 VA

Protection: Reverse Polarity, Overvoltage, and Current Limiting

Temperature Range & Humidity

Operation: 0°C to 40°C, <80 % R.H.

Storage: -20°C to 60°C, <70 % R.H.

Dimensions: 100mm(H) x 240mm(W) x 190mm(D)

[3.9"(H) x 9.4"(W) x 7.5"(H)]

Weight: 4.8 kg [10.6 lbs]

Accessories Supplied:

Hook-Up Cables, 3 pair, black and red

Power Cord

Operator's Manual

SPC-F004.DWG

| | | | | | | |
|----------------------------------------------------------------------------------------|---------------|---------|-------------------------------|----------------------|-----------------|-----|
| TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY. | DRAWN BY: | DATE: | DRAWING TITLE: | | | |
| | Jeff McVicker | 1/16/03 | Triple Output DC Power Supply | | | |
| | CHECKED BY: | DATE: | SIZE | DWG. NO. | ELECTRONIC FILE | REV |
| | Hisham Odish | 1/16/03 | A | 72-4045A | 92N5938.dwg | A |
| | APPROVED BY: | DATE: | SCALE: | U.O.M.: | SHEET: | |
| | Daniel Carey | 1/16/03 | NTS | Millimeters [Inches] | 1 OF 1 | |

ALL RIGHTS RESERVED. NO PORTION OF THIS PUBLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY. DISCLAIMER: ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.