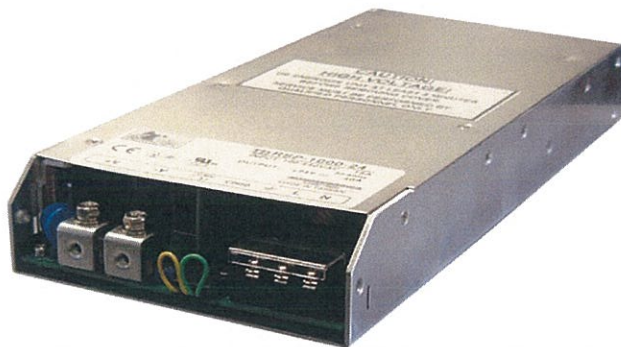


TECHNOLOGY DYNAMICS INC

CONNECTION DIAGRAM & USER MANUAL

TD RSP-1000 Series



“The Leader in Power Supply Design”

Technology Dynamics Inc.

100 School Street, Bergenfield, NJ 07621

Telephone: 201-385-0500 Fax: 201-385-0702

www.theallpower.com

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DISCLAIMER

Technology Dynamics Inc. is not responsible for any damage for injuries resulting from the use of this manual and the equipment described in it. Although this manual is accurate to the best of our knowledge, Technology Dynamics Inc. takes no responsibility for direct or inferred damages resulting from any or all errors contained in it.

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WARNINGS/PRECAUTIONS

SAFETY INSTRUCTIONS AND WARNINGS FOR ELECTRICAL POWER EQUIPMENT.

ELECTRIC SHOCK CAN KILL do not touch live electrical parts.

ELECTRIC ARC FLASH can injure eyes, burn skin, cause equipment damage, and ignite combustible material. **DO NOT** use power cables to break load and be sure tools don't cause short circuits.

IMPROPER USE, PHASE CONNECTION, OR PARALLELING can damage this and attachment equipment.

IMPORTANT: Protect yourself and others. Read and understand all the instructions in this Manual before using this equipment. Keep this manual available for future use by all operators.

Only qualified personnel shall engage in the installation and operation of this unit.

Only calibrated test equipment shall be used in the set up and test of this unit.

Always use the appropriate tools for the installation and connection of this unit.

Before energizing this unit, be sure that it is connected properly.

Only installation procedures described in this connection and user manual shall be used.

SHOCK PREVENTION

Bare conductors, terminal in the output circuit, or ungrounded electrically live equipment can fatally shock a person. Have a competent electrician verify that the equipment is adequately grounded and learn what terminals and parts are electrically **HOT**. Use proper safety clothing, procedures, and test equipment.

The electrical resistance of the body is decreased when wet, thus more easily permitting dangerous currents to follow through it. When inspecting or servicing equipment, do not work in damp areas without being extremely careful. Stand on a dry rubber mat or dry

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wood and use insulating gloves that are effective when dampness or sweat cannot be avoided. Keep clothing dry and never work alone.

In case on injury, see medical help immediately!

GENERAL INFORMATION

INTRODUCTION

This instruction manual contains connection and operation information for the TD RSP-1000 Series Power Supply.

Purpose

The purpose of this manual is to provide information and instruction to experienced operators and maintenance personnel who have not previously exposed to this equipment

Service Information

If you have any questions concerning your Power Supply please contact our Service Department by mail, telephone, or fax.

Write: Technology Dynamics Inc.
100 School Street
Bergenfield , NJ 07621 U.S.A

Call: 201-385-0500

Fax: 201-385-0702

Email: tdisales@theallpower.com

PROPRIETARY NOTICE

The information contained in this manual was originated by and is the property of Technology Dynamics Incorporated. Reproduction of this manual associated with this equipment or use or proprietary circuitry without express written consent, in advance, of the officer or other responsible official of the company is prohibited.

APPLICATION AND USES

The TD RSP-1000 Series Switching Power Supply may be used as a universal power source or battery charger for any electronic equipment requiring such power. As such, it may replace other power sources for most DC operated equipment. However the TD

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RSP-1000 Series is equipped with substantial noise reduction input and output filters making it especially suitable to energize systems which are sensitive to noise modulation.

POWER SUPPLY CONNECTION

CONNECTION/OPERATION

RECEIPT AND INSPECTION

Remove the unit from its shipping container or box and inspect if for shipping damages.

The unit should be free of dents, scratched and dirt.

Upon successful completion of the physical inspection, follow the instructions provided in the section below.

CONNECTIONS

Connection is made via the Terminal Block located on the front of the unit. The power supply is clearly marked as "G" (Ground), "L" (Line), "N" (Neutral) Connect your AC Source to this location as indicated. 90-264 VAC Single Phase

DAMAGE TO THE UNIT OR THE EQUIPMENT IT IS POWERING WILL OCCUR IF NOT PROPERLY CONNECTED.

OUTPUT

Connection is made via the two output bars located on the front side of the unit. The power supply is clearly marked as positive(V+) and negative(V-).

NOTE: IT IS EXTREMELY IMPORTANT THAT THE OUTPUT CONNECTIONS ARE WIRED PROPERLY. POSITIVE TO POSITIVE AND NEGATIVE TO NEGATIVE. DAMAGE TO THE UNIT OR THE EQUIPMENT WILL OCCUR IF NOT CONNECTED PROPERLY.

NOTE: NO OTHER CONNECTIONS ARE NECESSARY FOR THE UNIT TO OPERATE PROPERLY. ENERGIZE THE UNIT WITH AC INPUT AS INDICATED AND THE UNIT WILL PROVIDE THE APPROPRIATE OUTPUT VOLTAGE.

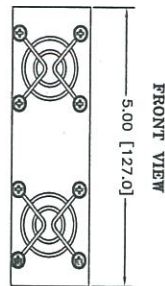
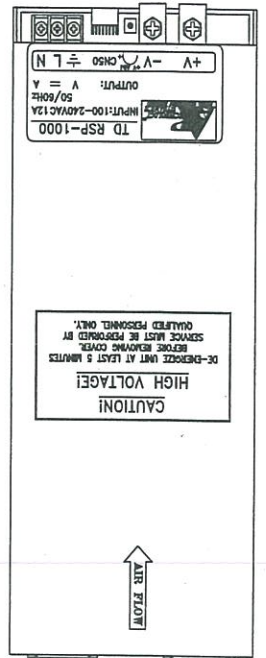
The LED on the front panel will be illuminated.

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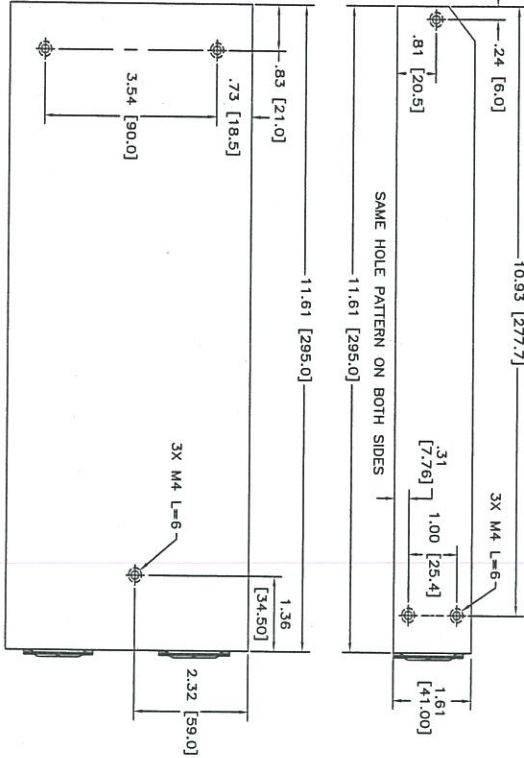
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MECHANICAL OUTLINE



CONTROL CONNECTOR
JST PHDR-12VS OR EQUIVALENT

PIN NO.	DESCRIPTION
1	+SENSE
2	-SENSE
3	-V AUX
4	+V AUX
5	DC OK
6	ON/CFE
7	CURRENT SHARE
8	Vco
9	Vci
10	Vcd
11	GROUND
12	GROUND



BOTTOM VIEW

3. APPROXIMATE WEIGHT: 4.1 LBS. UNITS ARE FOR REFERENCE ONLY.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

APPLIED POWER CONVERSION
division of
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TROUBLE SHOOTING GUIDE

As shipped from the factory, the TD RSP-1000 Series requires no adjustment for proper operation.

If the unit fails to power up, please check the following with the unit in the off position.

- Check that all connections are tight
- Check that all connections are in the proper location
- Check to see that you have not exceeded the maximum voltage and current that the unit can provide
- Re-energize the unit. If it still fails to power up, please contact the factory at the address below for a Return Merchandise Authorization Number to return the unit for repair.

For Service Contact

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Bergenfield, NJ 07621
PH: 201-385-0500
FX: 201-385-0702
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