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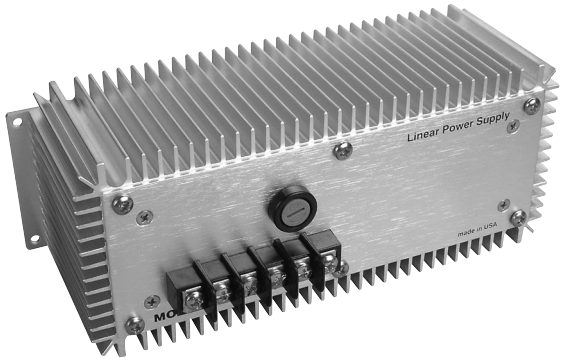
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Find the *OMEGA U24Y101* at our website: ***Click HERE***

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U24Y101

POWER SUPPLY



INSTRUCTION SHEET

M1426/1106

Shop online at: omega.com e-mail: info@omega.com
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OMEGA's U24Y101 24 VDC Power Supply provides low cost DC power suitable for driving process current loops, transducers, relays, electro-mechanical timers, and small motors. All components are rated to insure high reliablility, and built-in fusing prevents damage due to short-circuits or prolonged overloading.

There are two models:
U24Y101 for 120 Vac power;
U24Y101-220 for 220 Vac power

Either model can be converted to the other by a solder pad change which is explained below.

UNPACKING

Remove the packing list and verify that all equipment has been received. If there are any questions about the shipment, please call OMEGA Customer Service Department at 1-800-622-2378 or (203) 359-1660.

Upon receipt of the shipment, inspect the container and equipment for any signs of damage. Take particular note of any evidence of rough handling in transit. Immediately report any damage to the shipping agent.

NOTE

The carrier will not honor any claims unless all shipping material is saved for their examination. After examining and removing contents, save packing materials and carton in the event reshipment is necessary.

INSTALLATION AND OPERATION

The U24Y101 is provided with a predrilled base plate for surface mounting. the power supply should be mounted in an open area with unrestricted air movement. Connections for AC power and DC output are made via the four position terminal block. The power can be 120 or 220 VAC and is user selectable by means of internal jumpers.

CAUTION — MAKE ALL CONNECTIONS BEFORE APPLYING POWER!

HOW TO CHANGE INPUT VOLTAGE

1. Remove the screws securing the bottom covers to gain access to the printed circuit board.
2. Locate the three solder jumpers shown in Fig. 1.
   a) For 120 VAC operation install solder jumpers at locations A & B and remove jumper C.
   b) For 220 VAC remove solder jumper from A & B and install solder jumper at C.
3. Relabel unit to reflect power change.

SPECIFICATIONS

Input Power:	120 VAC (Std) or 220 VAC (Opt) ± 10%
Output Voltage:	24 VDC ± 5%
Output Current:	1 Amp (max)
Load/Line Regulation:	± 2%
Output Protection:	Current Limited and Thermal Limited
Input Protection:	0.5 Amp Fuse
Operating Temp:	–20 to 60 Deg. C
Storage Temp:	–30 to 70 Deg. C
Size:	See Fig. 2

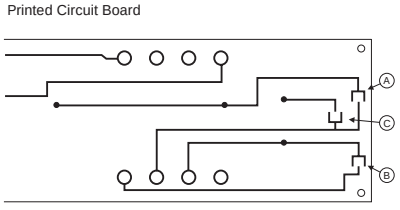
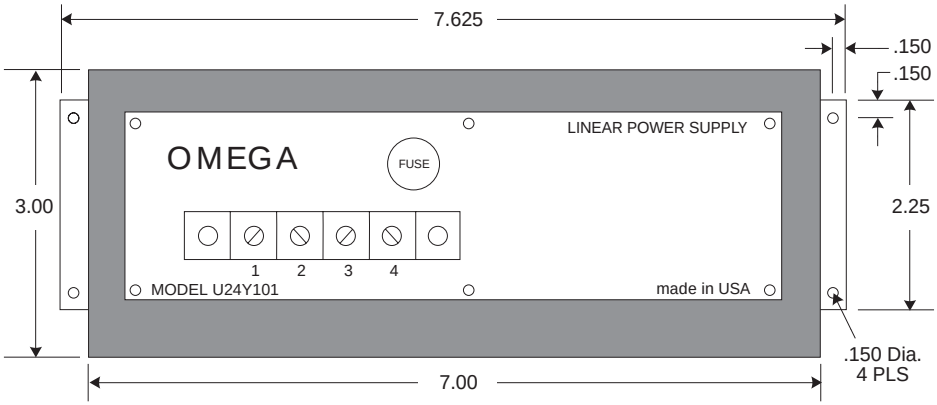


Figure 1



TERMINAL BLOCK CONNECTIONS
1. AC IN
2. AC IN
3. DC OUTPUT (+)
4. DC OUTPUT (--)

NOTES:

ALL DIMENSIONS IN INCHES

CASE HEIGHT: 2.520"
(Add for Terminal Block)

Figure 2

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OMEGA®

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For immediate technical or application assistance:

USA and Canada: Sales Service: 1-800-826-6342 / 1-800-TC-OMEGA®
Customer Service: 1-800-622-2378 / 1-800-622-BEST®
Engineering Service: 1-800-872-9436 / 1-800-USA-WHEN®
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e-mail: sales@omega.co.uk

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WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components which wear are not warranted, including but not limited to contact points, fuses, and triacs.

OMEGA is pleased to offer suggestions on the use of its various products. However, OMEGA neither assumes responsibility for any omissions or errors nor assumes liability for any damages that result from the use of its products in accordance with information provided by OMEGA, either verbal or written. OMEGA warrants only that the parts manufactured by it will be as specified and free of defects. OMEGA MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER, EXPRESS OR IMPLIED, EXCEPT THAT OF TITLE, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. LIMITATION OF LIABILITY: The remedies of purchaser set forth herein are exclusive, and the total liability of OMEGA with respect to this order, whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the component upon which liability is based. In no event shall OMEGA be liable for consequential, incidental or special damages.

CONDITIONS: Equipment sold by OMEGA is not intended to be used, nor shall it be used: (1) as a "Basic Component" under 10 CFR 21 (NRC), used in or with any nuclear installation or activity; or (2) in medical applications or used on humans. Should any Product(s) be used in or with any nuclear installation or activity, medical application, used on humans, or misused in any way, OMEGA assumes no responsibility as set forth in our basic WARRANTY/DISCLAIMER language, and, additionally, purchaser will indemnify OMEGA and hold OMEGA harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such a manner.

RETURN REQUESTS / INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

PATENT NOTICE: U. S. Pat. No. 6,074,089; 5,465,838 / Canada 2,228,333; 2,116,055 / UK GB 2,321,712 / Holland 1008153 / Israel 123052 / France 2 762 908 / EPO 0614194. Other patents pending.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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