

Model 6024-05

24-Volt AC, 20VA In-Line Power Supply

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1. General

1.01 The Westell 6024-05 is a 24-Volt AC, 833mA (20VA) wall-mount-type power supply. The unit is manufactured to UL standards for commercial telephone usage when plugged into any standard AC wall outlet. The 6024-05 is a self-contained unit and is intended for Customer Premises use where 833mA of 24 Volts AC power is sufficient. The 6024-05 is designed to be used in conjunction with one data or other special service circuit in small station package arrangements such as the Westell 28MA31 mounting. The unit is internally protected against output short-circuit and overheating conditions.

1.02 This document is revised to include the new Westell logo and the new Westell address. No other changes have been made that would affect the operation of this product.

2. Operating Description

2.01 The 6024-05 contains a transformer which isolates the input from the output. The 6024-05 provides a current limiting and foldback circuit to protect the power supply from external short-circuit conditions. The earth ground derived from the 3-prong AC line cord is routed directly through the unit to the output ground lead.

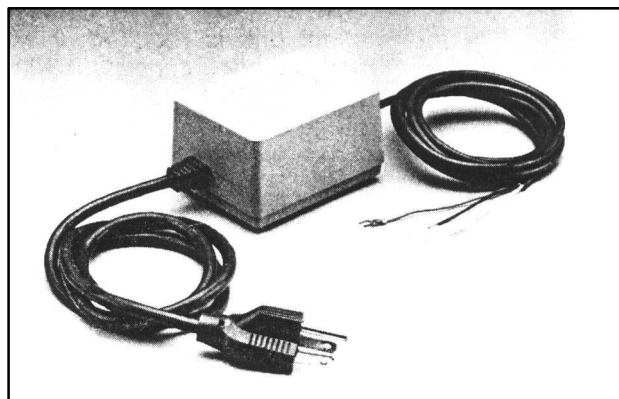
3. Inspection and Warranty

Inspection

3.01 Upon receipt of the equipment, inspect the equipment thoroughly. If the equipment has been damaged during transit, please report the damage to the transportation company and to Westell.

Warranty

3.02 Westell warrants this product to be free of defects at the time of shipment. Westell also warrants this product to be fully functional for the time period specified



by the terms and conditions governing the sale of the product.

3.03 This equipment should not be field repaired. Any attempt to repair or modify the equipment by anyone other than an authorized Westell representative will void the warranty. If the equipment is suspected of being faulty, replace it with another unit, optioned identically, and re-test. If the replacement unit operates correctly, the original unit may be faulty and should be returned to Westell for repair or replacement.

Repair and Return

3.04 Before returning equipment, a Return Material Authorization (RMA) number must first be requested from Westell. Also, please include a brief description of the problem, then return the equipment to:

Westell, Inc.
750 N. Commons Drive
Aurora, IL 60504-7940
ATTN: R.G.M. Department
Phone: 1-800-323-6883

3.05 Westell will repair or replace any defective Westell equipment without cost during the warranty period if the unit is found to be defective for any reason other than abuse, improper use or improper installation. If the equipment is found to be defective, contact Westell regarding repair or exchange. If a replacement unit is required, it will be shipped in the fastest manner consistent with the urgency of the situation.

3.06 Westell will continue to repair or replace faulty equipment beyond the warranty period for a nominal charge. Contact Westell or your local Westell Sales Representative for details.

Technical Assistance

3.07 If technical assistance is required, contact the Westell Technical Service Department by calling:

Westell, Inc.
(630) 898-2500
1-800-323-6883
FAX: (630) 375-4931 or
e-mail: global_support@westell.com

3.08 This equipment is identified by a model number and issue letter imprinted on the front of the unit (*example: A90-602405*). Each time a change is made to the product which affects the form, fit or function of the product, the issue letter, indicated by the prefix letter of the assembly number (A90), is advanced. Be sure to indicate the issue level, along with the model number of the product, when making inquiries about the equipment.

4. Installer Connections

Installer Connections

4.01 Power Supply output connections are made to the 6024-05 via the 5-foot, 3-conductor, 22AWG cable.

4.02 The output voltage between the two AC leads should be 24 Volts AC. Earth ground is routed through the unit and is tied to the GND (green) lead on the output of the power supply.

4.03 The input of the 6024-05 is provided via a standard 3-wire, 3-foot AC cord and plugs into a conventional 117VAC, 60Hz outlet. Do not isolate the power supply from earth ground.

5. Mounting

6.01 The 6024-05 power transformer is designed to be secured to a wall via a fastener (not included) best suited for the surface being used.

6. Testing

6.01 The unit may be tested by measuring the output voltage with a Simpson 260 VOM or equivalent. The voltage between the two AC leads should read 24 Volts AC. If the reading is incorrect, disconnect all external leads and verify presence of AC at the outlet. Recheck voltage. If output is still incorrect, replace the unit and return the original unit to Westell. For technical assistance, contact the Westell Technical Services group by phoning (630) 375-4999 or our toll free number 1-800-323-6883.

7. Specifications

- Input Voltage: 105 to 129Vac (117V, typical), 60Hz
- Output Voltage: 24Vac ($\pm 1.0V$)
- Output Current: 0.833A maximum at 24VAC
- Input Current: 310mA maximum at nominal line voltage
- Line Cord: 3 foot, 3-conductor, 22AWG
- Output Cord: 5 foot, 3-conductor, 22AWG
- Operating Temperature range: -18 to $+55^{\circ}C$; 0 to 95% relative humidity with no condensation
- Weight: Approximately 1.3 lbs.