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Owner's Manual

TE SERIES

Standby UPS Systems (120V)

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Important Safety Instructions



This manual contains important instructions and warnings that should be followed during the installation, operation and storage of all Tripp Lite UPS Systems. **SAVE THESE INSTRUCTIONS**

UPS Location Warnings

- Install your UPS indoors, away from excess moisture, heat, dust and direct sunlight.
- For best performance, keep the indoor temperature between 32° F and 104° F (between 0° C and 40° C).
- Leave adequate space around all sides of the UPS for proper ventilation.

UPS Connection Warnings

- Connect your UPS to a three-wire, grounded AC power outlet. Do not remove or modify the ground pin of the UPS's plug. Do not use two-prong adapters with the UPS's plug.
- Do not plug your UPS into itself; this will damage the UPS and void your warranty.
- If you are connecting your UPS to a motor-powered AC generator, the generator must provide clean, filtered computer-grade output.

Equipment Connection Warnings

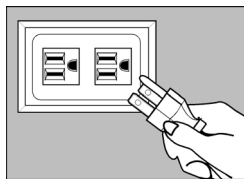
- Do not use Tripp Lite UPS Systems for life support applications in which a malfunction or failure of a Tripp Lite UPS System could cause failure or significantly alter the performance of a life-support device.
- Do not connect surge suppressors to the output of your UPS. This may damage your UPS and will void both the surge suppressor and UPS warranties.

Battery Warnings

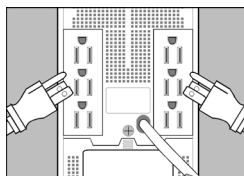
- Your UPS does not require routine maintenance. Do not open your UPS for any reason. There are no user-serviceable parts inside.
- Battery replacement must be performed by qualified service personnel. Because the batteries present a risk of electrical shock and burn from high short-circuit current, observe proper precautions. Unplug and turn off the UPS before performing battery replacement. Use tools with insulated handles and replace the existing batteries with the same number and type of new batteries (Sealed Lead-Acid). Do not open the batteries. Do not short or bridge the battery terminals with any object.
- The UPS batteries are recyclable. Refer to local codes for disposal requirements or call 1-800-SAV-LEAD (1-800-728-5323) for complete recycling information. Do not dispose of the batteries in a fire.
- Do not attempt to add external batteries.

Quick Installation

- ① **Plug your UPS into an electrical outlet.**



- ② **Plug your computer, monitor and external modem into battery-supported outlets. Plug other equipment into surge-only outlets.***



- ③ **Set your UPS's "OFF – ON" Switch.****

USA, Canada & Western Europe

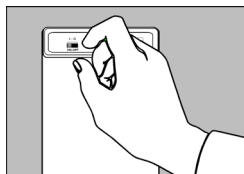
· Set it and leave it "ON" at all times.

All Other Countries

· Set to "OFF" when you are not using connected equipment.

(WARNING! When set to "OFF," UPS will not provide battery backup during a blackout or brownout)

· Set to "ON" when you are using connected equipment.



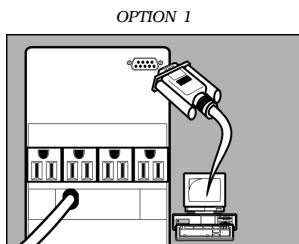
* Separate battery-supported/surge and surge-only outlets are available only on select models (identified on the back of your UPS). Your UPS is designed to support only computer equipment. You will overload your UPS if you connect household appliances, laser printers or surge suppressors. ** See Basic Operation section for the Switch Function, UPS Conditions and Setting Advantages.

–Optional Installation–

(select models)*

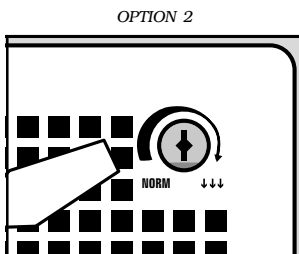
OPTION 1 (UPS Software)

Using Tripp Lite Cable (if supplied) connect the DB9 port of your UPS to the DB9 port of your computer. Load software (if supplied) and run the installation program appropriate for your operating system.



OPTION 2 (Brownout Voltage Adjustment)

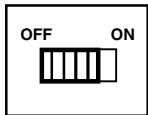
Adjust the Voltage Potentiometer (UPS back panel) clockwise to lower the voltage point at which the UPS switches from on-line to battery output.**



* Your UPS will function properly without these connections or settings. ** For users who experience frequent, severe brownouts to avoid excessive battery drain. Note: Use caution when adjusting the potentiometer while the UPS is powering a voltage-sensitive load.

Basic Operation

Switches



With your UPS plugged in, set this switch according to the recommendations in Step 3 of the Quick Installation section.

"ON" Position

Function: ENABLES battery backup. **UPS Conditions:** The UPS battery is charging. Power is ON at the UPS receptacles. The "∨" indicator light is illuminated. **Setting Advantages:** Provides battery backup during blackouts or brownouts.

"OFF" Position

Function: DISABLES battery backup. **UPS Conditions:** The UPS battery is charging. Power is ON at the UPS receptacles. The "∨" indicator light is illuminated. The "⊠" indicator light is flashing. **Setting Advantages:** continues to charge the battery when power is present while turning OFF the inverter to prevent battery backup operation when equipment is not in use.

Note: Only UPS models equipped with a "MUTE/TEST" switch allow you to "cold start" them and use them as stand-alone power sources when utility power is not present. To "cold start" your UPS, first turn your UPS ON. Then, move the MUTE/TEST switch to the left, hold momentarily and release when the "⊠" indicator light begins to flash.



Use this momentary switch to do two things:

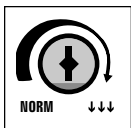
Silence the UPS alarm*

Move this switch to the left and release it. Note: When the battery is nearly depleted the alarm resumes (and cannot be silenced) to alert you to immediately shut down connected equipment.

Test your UPS's battery charge

Leave your connected equipment ON. With your UPS plugged in and turned ON, move this switch to the left; hold it there for 2 seconds and release it. The UPS will momentarily switch to battery to test its charge. If the UPS alarm sounds or the properly-sized load is not supported, let your UPS charge its batteries for 12 hours and repeat the test. If alarm still sounds, contact Tripp Lite for service. CAUTION: Do not unplug your UPS to test its batteries. This will remove safe electrical grounding and may introduce a damaging surge into your network connections.

**The UPS alarm consists of a series of short beeps followed by a brief pause. The alarm is activated when the UPS switches to battery during a blackout or brownout.*



**Available
on select
models**

If you experience severe brownouts that cause the UPS to frequently switch to battery, the adjustable voltage potentiometer allows you to prevent excessive battery drain by lowering the voltage point at which the UPS switches to battery. Turn it clockwise to lower the voltage point as much as 18% below the nominal setting of 99 volts (set fully clockwise).

Note: Your UPS's optimal setting will depend on the voltage conditions in your area. Adjust it clockwise until you reduce the frequency your UPS switches to battery. Your UPS will function properly at any setting. Use caution when adjusting the potentiometer while the UPS is powering voltage-sensitive loads.

Indicator Lights

All Indicator Light descriptions apply when the UPS is plugged into a wall outlet and turned ON.



This green light will turn ON whenever your UPS is plugged in and receiving normal AC line power.



This red light will turn ON when your UPS is providing your equipment with battery power.



This yellow light will turn ON after you test your UPS battery's charge with the "Mute/Test" Switch to indicate that the UPS's battery is less than fully charged. If it stays on continuously, contact Tripp Lite for service. If it flashes after you set the "OFF/ON" Switch to the "OFF" position to indicate that the UPS will not provide battery backup during a blackout or brownout.



Available on select models

This red light will turn ON when the UPS's capacity has been exceeded while it is operating from battery power (either during a self-test or during a blackout). Remove overload from battery-supported outlets immediately.

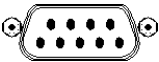
Other UPS Features

AC Receptacles



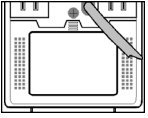
The receptacles provide your connected equipment with AC line power during normal operation. They will provide battery power during blackouts and brownouts only if the "OFF/ON" Switch is set to the "ON" position. The receptacles also protect your equipment against damaging surges and line noise. Select models, however, feature "surge-only" receptacles (identified on the back of your UPS) that provide peripherals with surge protection without committing precious battery power to support them during blackouts.

DB9 Port (Available on select models)



The DB9 port connects your UPS to any workstation or server. Use with Tripp Lite software and cabling to automatically save open files and shut down equipment during a blackout. This port sends contact-closure signals to indicate line-fail and low-battery status. It also receives a shut down signal from the connected computer to conserve the UPS battery charge. Contact Tripp Lite Customer Support for more information.

Battery Replacement Door



Under normal conditions, the original battery in your UPS will last several years. Battery replacement should be performed only by qualified service personnel. Refer to "Battery Warnings" in the Safety section on page 2.

Storage & Service

Storage

First turn your UPS OFF and disconnect its power cord from the wall outlet. Then disconnect all equipment to avoid battery drain. If you plan on storing your UPS for an extended period of time, fully recharge the UPS batteries once every three months by plugging the UPS into a live AC outlet and letting the UPS charge for 4 to 6 hours. If you leave your UPS batteries discharged for an extended period of time, they will suffer a permanent loss of capacity.

Service

If returning your UPS to Tripp Lite, please carefully pack the UPS using the ORIGINAL PACKING MATERIAL that came with the unit. Enclose a letter describing the symptoms of the problem. If the UPS is within the 2 year warranty period, enclose a copy of your sales receipt.

Specifications

	TE 300	TE 700L
Output Capacity (VA/Watts):	300/200	700/450
Battery Runtime (Half Load/Full Load) Minutes:	86/37	83/35
Battery Recharge Time:	2-4 hrs.	2-4 hrs.
Approvals:	UL, cUL, NOM	UL, cUL, NOM
Modem/Fax Protection (starts at 260V):	1 line	-

ALL MODELS:

If your Fax Modem Protector causes harm to the telephone network, the telephone company may temporarily discontinue your service. If possible, they will notify you in advance. If advance notice isn't practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC. Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper operation of your equipment. If it does, you will be given advance notice to give you an opportunity to maintain uninterrupted service. If you experience trouble with this equipment, Fax Modem Protector, please contact the Manager of Technical Support; Tripp Lite; 1111 W. 35th Street, Chicago, Illinois 60609; Phone: (773) 869-1234, for repair/warranty information. The telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure the equipment is not malfunctioning. There are no repairs that can be made by the customer to the Fax Modem Protector. This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information.)

FCC Part 68 Notice (U.S. only)

If your Fax Modem Protector causes harm to the telephone network, the telephone company may temporarily discontinue your service. If possible, they will notify you in advance. If advance notice isn't practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC. Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper operation of your equipment. If it does, you will be given advance notice to give you an opportunity to maintain uninterrupted service. If you experience trouble with this equipment, Fax Modem Protector, please contact the Manager of Technical Support; Tripp Lite; 1111 W. 35th Street, Chicago, Illinois 60609; Phone: (773) 869-1234, for repair/warranty information. The telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure the equipment is not malfunctioning. There are no repairs that can be made by the customer to the Fax Modem Protector. This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information.)

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