

LINE CONDITIONERS

BROWNOUT PROTECTION AND SURGE SUPPRESSION IN A SINGLE COST-EFFECTIVE UNIT

WHAT ARE BROWNOUTS AND HOW DO THEY AFFECT YOU?

Fact: Brownouts make up 87% of all power problems.

Brownouts are low voltage power sags which put a strain on your computer and other electronic equipment. Under low voltage conditions, your equipment's internal power supply and circuitry must compensate by working harder. Repeated exposure to brownouts can overheat these sensitive components, causing total system failure.

Types of Brownouts:

Localized brownouts are frequently caused by overloaded building circuits or increased power demand from refrigerators, air conditioners, and heavy industrial equipment. In particular, laser printers can draw power away from your computer and other equipment.

Utility brownouts are man-made voltage sags. During peak demand, especially the hot summer months, utility companies often reduce voltage levels, leaving your

WHY YOU NEED A LINE CONDITIONER

The brownout protection line conditioners provide keeps your equipment working through brownouts (voltage sags) without using emergency power such as UPS systems and auxiliary generators. Line conditioners automatically adjust under- and overvoltages to provide safe, computer-grade AC power meeting ANSI C84.1 specifications. Brownouts are now so widespread that Hewlett Packard® now recommends the use of a line conditioner with their laser printers.

Surges, spikes and RFI/EMI line noise wear down sensitive circuitry, and can cause premature aging or total failure of your equipment. Tripp Lite Line Conditioners exceed the IEEE-587 standard for surge suppression (both categories A and B).

WHY CHOOSE A TRIPP LITE LINE CONDITIONER

HIGH QUALITY

Using four separate levels of voltage correction, Tripp Lite Line Conditioners automatically adjust under- and overvoltages from 87 to 140 volts AC (220/240 volt models from 168 to 278 volts). This keeps you working through deeper and longer brownouts and prolonged overvoltages. In fact, Tripp Lite Line Conditioners have the widest voltage correction range of any comparable units. Many Tripp Lite Line Conditioners also feature built-in Isobar® surge suppression, the most advanced surge protection on the market.

BEST WARRANTIES

In addition to a full two year product warranty, all Tripp Lite Line Conditioners used in the USA and Canada carry Ultimate Lifetime Insurance® which covers your connected equipment against direct damage from surges and spikes, including lightning!

DESIGN

For years, the only brownout protection available was the C.V.T. (constant voltage transformer). When combined with computers that use power-factor-corrected power supplies, C.V.T.s can cause severe instability in the power supply, leading to computer system failure. Tripp Lite Line Conditioners use a highly efficient stepped transformer design, providing computer-safe voltage regulation.

THE BEST VALUE

Providing quality brownout correction, surge suppression, and line noise filtering in one unit at prices lower than some surge suppressors, Tripp Lite Line Conditioners are simply your best value.

CHOOSING THE RIGHT SIZE LINE CONDITIONER

To determine your system's power consumption simply multiply the amp rating (found on the back of your equipment) by your operating voltage (120 or 220). Then choose a line conditioner with output equal to or greater than your system's requirements.

**ULTIMATE® \$25,000
LIFETIME
INSURANCE**

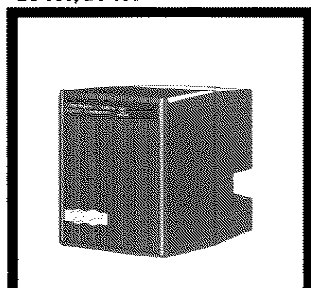
Tripp Lite will repair or replace any equipment damaged by surges (up to \$25,000), including direct lightning strikes, while protected by this product ... for life! (United States and Canada)

The Makers of the
isobar®
Surge Suppressor

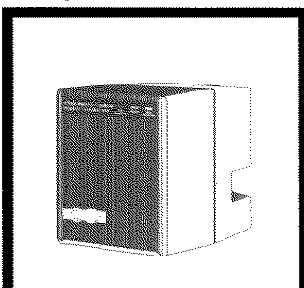


UNIT CONFIGURATIONS (front view)

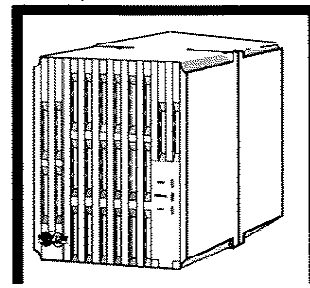
LS 500, LS 600



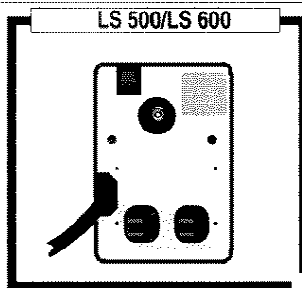
LS 604, LR 604



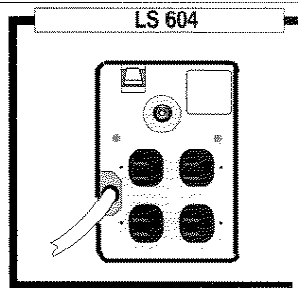
LS 1000, LR 1000



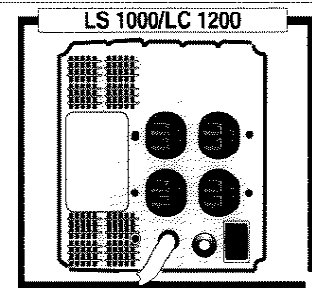
UNIT CONFIGURATIONS (rear view)/120 volt, 60 hz



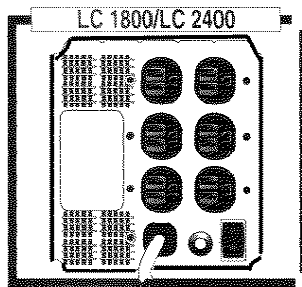
500/600 watts, 2 NEMA 5-15R outlets



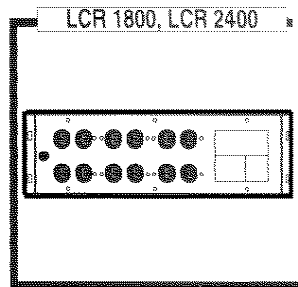
600 watts, 4 NEMA 5-15R outlets



1000/1250 watts, 4 NEMA 5-15R outlets

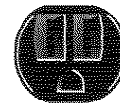


1800/2400 watts, 6 NEMA 5-15R outlets
(LC 2400, 4 NEMA 5-15R, 2 NEMA 5-20R outlets)



1500 / 2400 watts, 14 NEMA 5-15R outlets

TYPES OF OUTLETS

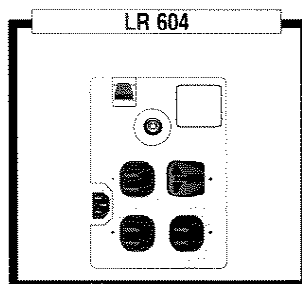


NEMA 5-15R
120 volt, 15 amp
outlet

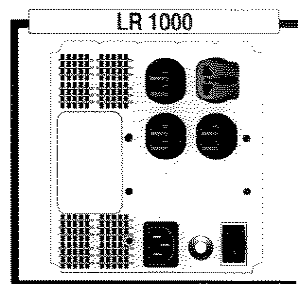


NEMA 5-20R
120 volt, 20 amp
outlet

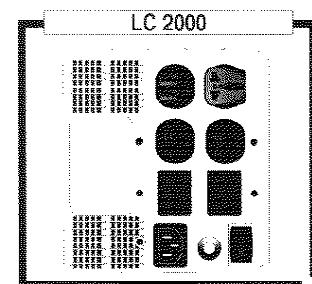
UNIT CONFIGURATIONS (rear view)/220/240 volt, 50/60 hz



600 watts, 4 NEMA 5-15R outlets,
includes 1 UniPlug adapter

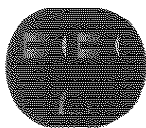


1000 watts, 4 NEMA 5-15R outlets,
includes 1 UniPlug adapter

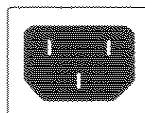


2000 watts, 2 NEMA 5-15R, 2 NEMA 6-15R,
2 IEC-320 outlets, includes 1 UniPlug adapter

TYPES OF OUTLETS

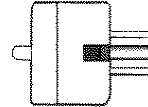


NEMA 6-15R
208/220/240 volt, 15 amp
outlet

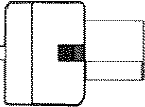


IEC-320R
Universal computer outlet

Universal (Uniplug)



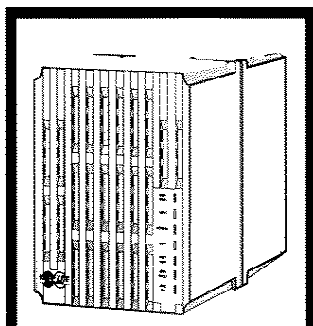
UniPlug (part no. 16-1318T)



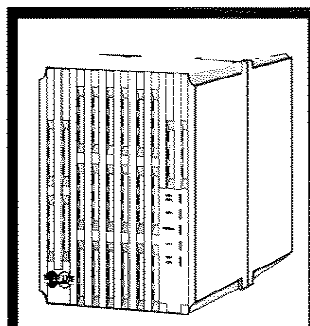
UniPlug INT (part no. 16-0469T)

Universal Plug Adapter—Accepts most worldwide plug configurations.
UniPlug fits into NEMA 5-15R, UniPlug INT fits into IEC-320

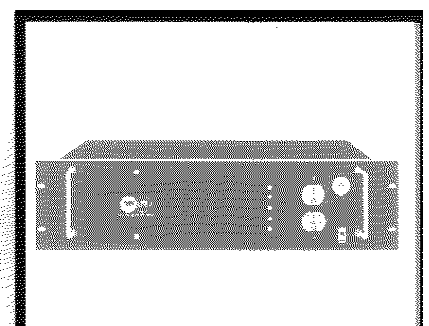
LC 1250, LC 1800, LC 2400



LC 2000



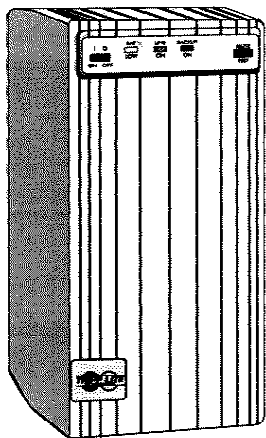
LCR 1800, LCR 2400 (19 inch rack mount)



OMNIPRO AND SMARTPRO LINE INTERACTIVE UPS SYSTEMS

Tripp Lite UPS systems allow you to work through blackouts, brownouts, surges and spikes.

With OmniPro UPS systems, automatic line interactive voltage regulation (AVR) lets you work through brownouts and overvoltages without using battery power. And SmartPro UPS systems provide unparalleled network UPS management and control.



For further information, call (312) 755-5420 and request FaxBack document number 2060 (OmniPro) or 2033 (SmartPro). Models are available in sizes ranging from 280 to 5,000 VA.

**ULTIMATE \$50,000
LIFETIME
INSURANCE**

Tripp Lite will repair or replace any equipment damaged by surges (up to \$50,000), including direct lightning strikes, while protected by this product...for life!

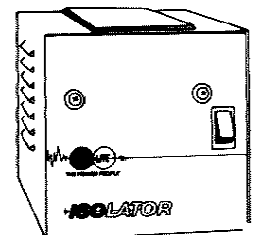
ISOLATOR® POWER CONDITIONER AND NOISE FILTER

The Isolator provides excellent AC line protection that is ideal for telecom and point of sale (cash register) applications where an isolated ground is essential. It efficiently transforms your unreliable and potentially dangerous commercial power into a safe computer-grade electrical current, eliminating the need for costly dedicated lines. The Isolator also provides excellent noise rejection, especially at low frequencies where line noise is difficult to control.

The Isolator's efficient operation generates much less heat than expensive, ferroresonant devices. Each unit features a resettable, external circuit breaker, superior line noise rejection and a "Faraday Shield" design for true isolation. 200, 400 and 800 watt models available.

For further information, call (312) 755-5420 and request FaxBack document number 2027.

Models: IS 200, IS 400, IS 800



LINE CONDITIONER SPECIFICATIONS

Model	Output Wattage (Continuous)	Voltage/ Frequency (Hz)	Cordset	Number/ Type Of Outlets	Surge Energy Rating (joules)	LED Indicators	High Frequency Noise Suppression (@ 1 MHz)	Dimensions H x W x D	Shipping Weight
120 volt models									
LS 500	500	120/60	6 ft	2 NEMA 5-15R	—	C	—	5 ³ / ₄ x 4 ³ / ₈ x 5 ¹ / ₄ in	7 lb
LS 600	600	120/60	6 ft	2 NEMA 5-15R	100	C	20 db	5 ³ / ₄ x 4 ³ / ₈ x 5 ¹ / ₄ in	7 lb
LS 604	600	120/60	6 ft	4 NEMA 5-15R	300	A*	40 db	5 ³ / ₄ x 4 ³ / ₈ x 5 ¹ / ₄ in	7 lb
LS 1000	1000	120/60	6 ft	4 NEMA 5-15R	100	A	20 db	6 ³ / ₄ x 5 ³ / ₄ x 6 ³ / ₄ in	9.5 lb
LC 1200	1250	120/60	6 ft	4 NEMA 5-15R	500	D	80 db	6 ³ / ₄ x 5 ³ / ₄ x 6 ³ / ₄ in	11 lb
LC 1800	1800	120/60	6 ft	6 NEMA 5-15R	600	D	80 db	6 ³ / ₄ x 5 ³ / ₄ x 6 ³ / ₄ in	11.5 lb
LCR 1800	1500	120/60	12 ft	14-NEMA 5-15R	600	B	80 db	5 ¹ / ₄ x 19 x 5 in	24 lb
LC 2400	2400	120/60	6 ft	4 NEMA 5-15R, 2 NEMA 5-20R	600	D	80 db	6 ³ / ₄ x 5 ³ / ₄ x 6 ³ / ₄ in	14.5 lb
LCR 2400	2400	120/60	12 ft	14 NEMA 5-15R	600	B	80 db	5 ¹ / ₂ x 19 x 5 in	24 lb
220/240 volt models									
LR 604	600	230/50/60	†	4 NEMA 5-15R, 1 UniPlug	150	A	20 db	15 x 12 x 13 cm	3.2 kg
LR 1000	1000	230/50/60	†	4 NEMA 5-15R, 1 UniPlug	150	A	20 db	17 x 15 x 17 cm	4.3 kg
LC 2000	2000	208-240 Selectable 50/60Hz	†	2 NEMA 5-15R, 2 NEMA 6-15R, 2 IEC-320, 1 UniPlug	300	B	50 db	17 x 15 x 17 cm	6 kg

A. 3 LEDs; LED indicators: Yellow = high voltage, Green = normal voltage, Yellow = low voltage

*LS 604 only, 4th LED: Green = protection working

B. 5 LEDs; LED Indicators: Red = very high voltage, Yellow = high voltage, Green = normal voltage, Yellow = low voltage, Red = very low voltage

C. 1 LED; power on

D. 7 LEDs; LED Indicators: Red = very high voltage, Yellow = high voltage, Green = normal voltage, Yellow = low voltage, Red = very low voltage; Diagnostic LEDs: Red = line fault, Green = line ok

† Cordsets: 240 volt models: 2 meter detachable IEC-320
(120 volt models: 6 ft fixed NEMA 5-15R
rackmount models have 12 ft cords)



500 N. Orleans • Chicago, IL 60610

Tel (312) 755-5400 • Fax (312) 644-6505 • FaxBack (312) 755-5420

E-mail: info@triplite.com • WEB: <http://triplite.com>