

# Isobar Surge Suppressor

Direct plug-in surge, spike and line noise protection



## Model #: ULTRABLOK428

- ▶ 2 (15-amp) outlets/Direct plug-in
- ▶ 600 joule rating
- ▶ All metal housing with LEDs
- ▶ \$10,000 Ultimate Lifetime Insurance (USA & Canada only)

## DESCRIPTION

---

For more than 20 years, America's leading companies have trusted Tripp Lite's Isobar Premium surge and noise suppressors to protect sensitive computer, networking and telecom equipment. With more than 14 million satisfied customers, the ISOBAR remains the world's #1 selling premium surge suppressor. Loaded with a generous combination of high quality components, near indestructible all-metal case and unique noise filtration system, Isobars offer the highest levels of protection. Robust surge suppression circuits with sine-wave tracking offer extreme levels of protection against the heaviest surge conditions. Isobar's unique protection system combines large toroidal chokes, HF/VHF capacitors and multiple metal oxide varistors that remove high level surges and EMI/RFI interference. UltraBlok 428 offers 2 outlets arranged with standard wall socket spacing in a cordless direct plug-in format. Mounting tabs allow permanent connection via duplex switchplate screw. Surge suppression rated at 600 joules / 48,000 amps offers high-grade protection. Diagnostic LEDs confirm power availability, line fault and protection status. Lifetime warranty with \$10,000 Ultimate Lifetime connected equipment Insurance (USA & Canada Only).

PLUG / OUTLETS: Input: NEMA 5-15P / Output: 2 NEMA5-15R

ELECTRICAL: 120V AC, 50/60Hz, 15A (Requires NEMA 5-15R wall receptacle)

SUPPRESSION: AC: 140V RMS Clamping / 600 joules / 48,000 amps

FORMAT: Direct plug in, receptacle mount form factor

## KEY BUYING POINTS

---

- Tripp Lite's ISOBAR is the world's #1 selling premium suppressor series with more than 14 million satisfied customers and a safety-tested history of 20+ years
- Robust surge suppression with sine-wave tracking protects against the heaviest of surge conditions, exceeding IEEE category A&B specifications
- Multi-component suppression circuits combine toroidal chokes, HF/VHF capacitors and metal oxide varistors
- 2 outlets with standard duplex wall outlet spacing offer convenient wall receptacle mount placement. Included mounting tab allows permanent connection via wall receptacle switch plate screw.
- Heavy grade surge suppression rated at 600 joules / 48,000 amps
- 3 LED indicators confirm suppressor operation and site wiring status, plus warning of suppressor or electrical fault conditions
- 120V AC, 50/60Hz, 15A electrical compatibility
- \$10,000 Ultimate Lifetime Insurance (USA & Canada Only)
- Lifetime product warranty
- UL1449 listed - surge suppression (400V let-through), UL1283 listed - EMI protection, UL1363 listed - power tap, cUL approved to Canadian standards

## TYPICAL APPLICATIONS

---

- Ideal for premium AC protection for personal computers with peripherals, network and CAD/CAM/CAE workstations, internetworking accessories, telecommunications systems, point of sale equipment, audio/video and home theater systems in any home, office or industrial application.

## PACKAGE INCLUDES

- ULTRABLOK428 premium surge suppressor
- Instruction manual and warranty information

## COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	ULTRABLOK428 premium direct plug-in surge and noise suppressor prevents equipment damage and performance problems resulting from damaging transient surges and line noise. Active filter network maintains noise-free output with zero reaction / response time. Rugged all-metal housing makes this system ideal for demanding environments. Mounting bracket and included screw securely mounts the suppressor to a standard duplex wall socket. 2 AC outlets, 600 joules AC protection level, 3 diagnostic LEDs.
Voltage compatibility:	120 VAC
Frequency compatibility:	50/60 Hz
OUTPUT	
Output volt amp capacity (amps):	15
Output watt capacity (watts):	1800
Outlet quantity / type:	2 NEMA 5-15R output receptacles
INPUT	
Input connection type:	NEMA 5-15P input plug
Recommended electrical service:	120V 15A
LEDS ALARMS & SWITCHES	
Diagnostic LEDs:	PROTECTION PRESENT (green), LINE FAULT (red) and LINE OK (green)
AC SURGE / NOISE SUPPRESSION	
Protection modes:	Includes full normal mode (H-N) and common mode (N-G / H-G) line surge suppression
AC suppression joule rating:	600 joules
Clamping voltage (RMS):	140V
AC suppression response time:	NM = 0 ns. CM = <1 ns
AC suppression surge current rating:	48,000 amps
AC suppression components used:	Metal oxide varistors, toroidal balanced chokes and VHF capacitors
Safe thermal fusing:	Prevents unsafe conditions during extreme extended overvoltages and catastrophic occurrences
EMI / RFI filtering:	40-80 dB
Immunity:	Conforms to IEE 587 / ANSI C62.41
PHYSICAL	
Unit Dimensions (HWD/in):	4 x 2.5 x 2.5
Unit Dimensions (HWD/cm):	10.2 x 6.4 x 6.4
Material of construction:	Metal
Form factors supported:	Direct plug-in format with retaining bracket supports wall mounting directly to a standard AC wall socket
Housing color:	Black
Receptacle color:	Black

<b>CERTIFICATIONS</b>	
<b>UL1449 1998 Rev. (AC Suppression):</b>	UL1449
<b>UL1283 (EMI Filter):</b>	UL1283
<b>cUL / CSA (Canada):</b>	cUL
<b>Approvals:</b>	Exceeds IEEE 587 category A&B specifications
<b>WARRANTY</b>	
<b>Product warranty:</b>	Lifetime
<b>Connected equipment insurance (USA and Canada Only):</b>	Lifetime warranty with \$10,000 ultimate lifetime connected equipment insurance
<b>SPECIAL FEATURES</b>	
<b>Appearance:</b>	Attractive, all-black metal direct plug-in suppressor

*The policy of Tripp Lite is one of continuous improvement.  
Specifications are subject to change without notice.  
Therefore, your product may vary slightly from what is currently listed.  
Please make note that this information was posted on 10/30/2003.*



**Tripp Lite World Headquarters**  
1111 W. 35th Street  
Chicago, IL 60609 USA

**Customer Support**  
(773) 869-1234

© 2003 Tripp Lite. All Rights Reserved.