

SPECIFICATIONS

- Nominal AC Input and Output**
- ILC-1000, ILC-1200 & ILC-1800: 120V_{AC}, 50/60Hz.
 - HILC-1000, HILC-1200 & HILC-1800: 240V_{AC}, 50/60Hz.
- Output Ratings**
- ILC-1000: 1000W (8.3A) maximum.
 - ILC-1200: 1200W (10A) maximum.
 - ILC-1800: 1800W (15A) maximum.

 - HILC-1000: 1000W (4.2A) maximum.
 - HILC-1200: 1200W (5A) maximum.
 - HILC-1800: 1800W (7.5A) maximum.
- Surge Suppression**
- 1 picosecond response time.
 - ILC-1000, ILC-1200 & ILC-1800: 205V initial clamping voltage.
 - HILC-1000, HILC-1200 & HILC-1800: 375V initial clamping voltage.
 - 52,000 surge amps (8 x 20μs), 640 Joules.
- EMI/RFI Noise Rejection**
- 35 ~ 65 dB typical (10kHz to 50MHz).
- Isolation Transformer**
- Designed to UL specifications.
- Noise Output**
- Common Mode Noise < 0.05V.
 - Normal Mode Noise < 10V.
- Total Harmonic Distortion**
- < 1%.
- Efficiency**
- 97%.
- Physical Dimensions**
- 8.5" (216mm) wide, 6.5" (165mm) high, 11" (279mm) deep.
- Weight**
- ILC-1000/HILC-1000: 35 lbs (15.9 kg)
 - ILC-1200/HILC-1200: 35 lbs (15.9 kg)
 - ILC-1800/HILC-1800: 50 lbs (22.7 kg)
- Environment**
- Operating Temperature: 0°C to 25°C (32°F to 100°F).
 - Relative Humidity: 90%, non-condensing at 25°C.
- Warranty**
- Five years limited warranty, parts and labor.

LIMITED WARRANTY

TSi Power Corporation warrants this product to be free from defects in materials and workmanship for five (5) years from the date of purchase from TSi Power or its authorized representatives. TSi Power will repair (or at its option, replace) any defective component(s) during this warranty period.

To make a request or claim for service under this limited warranty, the original purchaser must return the product, in the original shipping container or equivalent, to TSi Power or its authorized distributor, accompanied by a written receipt showing the date of purchase, dealer's name, and both the model name and serial number of the product.

Warranty does not cover transportation costs. Damage by misuse, accident or unauthorized tampering of the product is not covered by the warranty. NO OTHER WARRANTIES ARE EXPRESSED OR IMPLIED. TSi POWER IS NOT LIABLE FOR CONSEQUENTIAL DAMAGES. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

LIMITATION OF LIABILITY

IN NO EVENT SHALL TSi POWER OR ITS SUPPLIERS BE LIABLE FOR ANY DAMAGES WHATSOEVER (INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OR INABILITY TO USE THIS PRODUCT, EVEN IF TSi POWER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME STATES DO NOT ALLOW THE LIMITATION OR EXCLUSION OF LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

TSi Power Corporation

1103 West Pierce Avenue
Antigo, WI 54409, U.S.A.
Phone: 715-623-0636
FAX: 715-623-2426

Internet: www.tsipower.com
e-mail: sales@tsipower.com

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TSi POWER

IsoCon™ Series Operating Instructions

ILC-1000, ILC-1200, ILC-1800
HILC-1000, HILC-1200, HILC-1800



Isolating Line Conditioner

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

This manual contains important information for models ILC-1000, ILC-1200, ILC-1800, HILC-1000, HILC-1200 and HILC-1800 that should be followed during installation and maintenance of the Line Conditioner.

Maximum Operating Ambient Temperature for the Line Conditioner is 40 degrees Celsius.

Introduction

Your TSi Power IsoCon™ Series Line-Conditioners are designed to protect your sensitive electronic equipment from harsh commercial electrical environment. They provide true isolation, heavy-duty surge suppression and advanced interference filtering to ensure that every trace of spikes, surges, transients, interference and electrical noise that can harm your equipment is eliminated.

Designed for point-of-sale terminals, telecommunications equipment, file servers, digital copiers, computer workstations and other microprocessor based office equipment, the IsoCon™ Series Line-Conditioners will provide enhanced operation, extend operating life and reduce maintenance costs, service costs and down time.

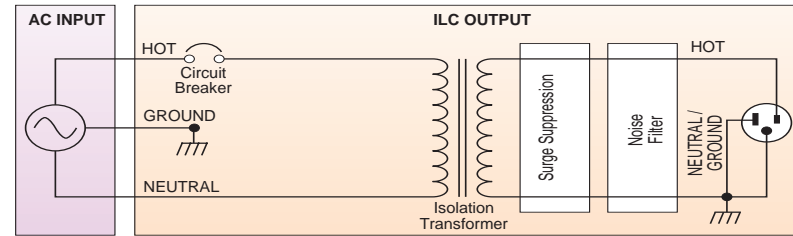
Products in the IsoCon™ Series Line-Conditioners provide upto 5500VA of output power, and are available in a variety of voltages, ratings, and input plug and output receptacle configurations. Contact your dealer or TSi Power Corporation for more information.

Be sure to mail the enclosed warranty registration card so that we may better serve you. When you call TSi's customer support (at 1-800-874-3160), please have your unit's model number and serial number (located in the rear of the unit) ready at hand.

MODEL NO.:

SERIAL NO.:

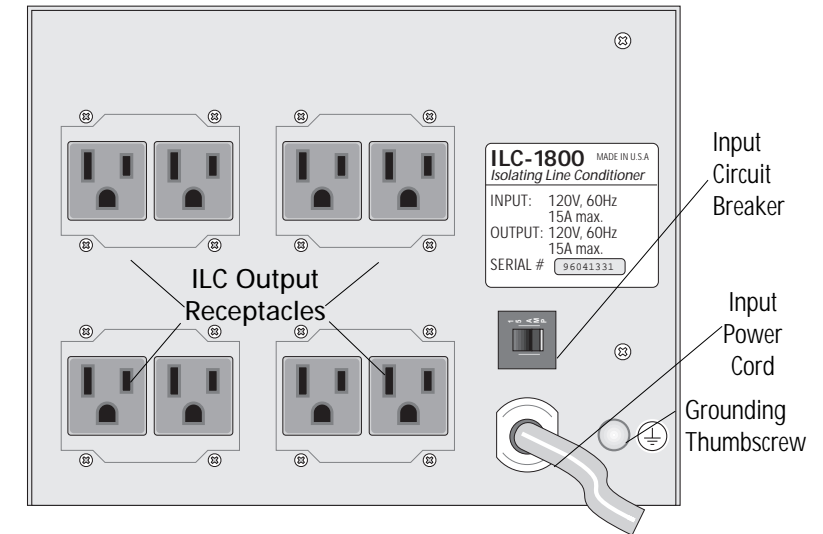
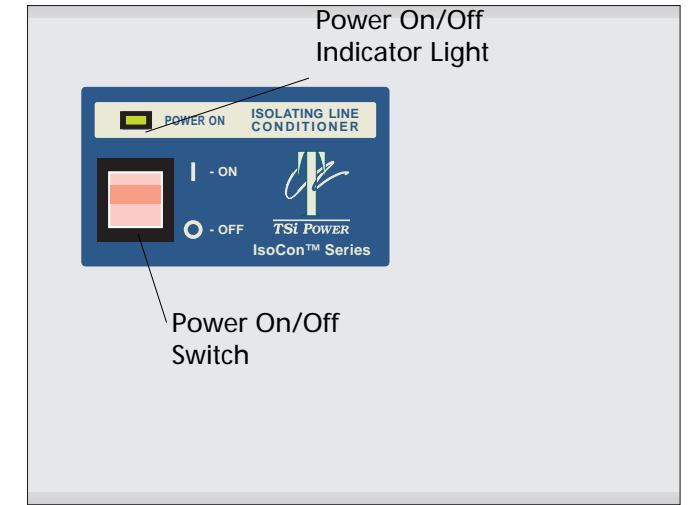
Diagram of IsoCon™ Series' Advanced Protection



Operating Instructions

1. Place the Line Conditioner (ILC) near a grounded (3-pronged) electrical outlet that is easily accessible. The ILC-1000 & ILC-1200 require a 120V/15A rated socket-outlet. The ILC-1800 requires a 120V/20A rated socket outlet. The HILC-1000, HILC-1200 & HILC-1800 require a 220V/15A or 240V/15A rated socket-outlet. *Do not connect anything yet to the outlets on the ILC.*
2. When you plug in the ILC's power cord into the appropriate outlet, and turn the front-panel power switch on, the green power on/off light should turn on.
3. Plug in the equipment you want protected by the ILC into the AC outlets in the rear of the ILC. Make sure that your equipment is initially turned off, and that you don't exceed the maximum power rating of your ILC model.
4. Turn on your equipment one at a time. If you have exceeded the maximum power rating of your ILC, the rear circuit breaker will open after a short period of time (and the front panel green light will turn off). In such a case, reduce the load to your ILC and reset the circuit breaker. *Note: It may take about 30 seconds for the thermal circuit breaker to cool and become resettable.*
5. You can use the grounding thumbscrew to ground other devices such as phone surge suppressors, data-line protectors, etc.

Front & Rear Panel Indicators & Functions



Note

Some models may be equipped with different type and number of output receptacles than what is shown above.

Caution

Be sure to only plug in the ILC into a properly grounded (3-pronged), 120V (220V or 240V for HILC series) electrical outlet. Use of an ungrounded outlet will not fully utilize the protection built into the ILC, and may risk electrical shock.