

ISOLATING LINE FILTER

TTF/ILF-12015

WITH OPTIONAL BY-PASS SWITCH

The **Always "On"**™ TTF/ILF (Toroidal Isolating Line Filter) combines a low-pass series filter with a toroidal isolation transformer. The TTF/ILF provides for total protection against all power aberrations and eliminates any troublesome constant voltages which may exist between neutral and ground in some electrical configurations. Totally compatible with all operating loads including high frequency switching power supplies.

Some optional features that can be added are the manual by-pass switch or an automatic bypass switch.

The manual bypass switch will transfer the load from UPS supplied power to filtered and isolated AC utility upon user operated switching. This will allow for removal of the UPS system without powering down or exposing your critical loads.

The automatic by-pass switch will automatically transfer the load from UPS supplied power in the event of a premature shutdown for whatever reason. without powering down your critical loads.

The TTF/ILF corrects ground fault problems and eliminates neutral voltages by re-establishing the "zero" volt ground reference point. It provides excellent noise protection, eliminating problems caused by normal mode and common mode noise, as well as other electrical aberrations such as: transients, spikes, surges harmonics and lightning induced voltages.

APPLICATIONS:

Computers, Laser Printers, Copiers, Point of Sale Terminals, Medical Instruments, PLC's, Process Instruments, CAD/CAM/CIM & Robotics.

PROTECTS FROM:

Voltage between Neutral and Ground, Reverse Polarity, Spikes, Surges, Transients, RFI/EMI Interference, Common/Normal Mode Noise, Direct and Indirect Lightning Effects.

SPECIFICATIONS:

<u>Frequency:</u>	50/60Hz
<u>Voltage:</u>	up to/240V; 1 Ø; Wye
<u>Amperage:</u>	15A @ 120V, 7A @ 220/240V
<u>VA Rating:</u>	1,800VA Maximum
<u>Noise Protection Mode:</u>	Normal Mode (L-N), Common Mode (L-G, N-G)
<u>Technology:</u>	Dual Hybrid Series Filter/ Toroidal Isolation Transformer
<u>Insertion Loss:</u>	Nominal 75dB, Mil-Std-220A @ 100kHz; Common Mode 120dB
<u>Band Width:</u>	Normal Mode: 10kHz - 100kHz; Common Mode: DC to 100MHz
<u>Response Time:</u>	Instantaneous
<u>Standards:</u>	15A, 120VAC, CSA Certified
<u>Total Peak Surge Current:</u>	26,000A
<u>Joules:</u>	Up to 600 Joules
<u>Leakage Current:</u>	Nominal <250mA (<90mA Hospital Grade)
<u>Operating Humidity:</u>	0-97% (non-condensing)
<u>Operating Temp:</u>	0°C to +40°C
<u>Bypass Mode (TTF/ILF-12015-BP only):</u>	All outputs are powered via utility power.
<u>Warranty:</u>	5 Year
<u>Dimensions:</u>	205x356x153 mm (12"x14"x6" Approximately)
<u>Weight:</u>	20kg (44 lbs) Approximately
<u>Wall Mount:</u>	Standard (Tower model available)

TTF/ILF-12015 - 120VAC 15A Isolating Line Filter
UPC Order Code - 825433 00800

TTF/ILF-22007 - 220VAC 7A Isolating Line Filter
UPC Order Code - 825433 00850

TTF/ILF-12015-BP - 120VAC 15A Isolating Line Filter w/ By-Pass Option
UPC Order Code - 825433 00810

TTF/ILF-22007-BP - 220VAC 7A Isolating Line Filter w/ By-Pass Option
UPC Order Code - 825433 00851

Specifications subject to change without notice to reflect upgrades and improvement in technology.

Surge / Transient Suppression: ANSI / IEEE C62.41-1992 - REV. 2 (Surge Test) TYPICAL: 120V Filter

Input:	L-L	L-N	L-G	N-G
Category A3 Ringwave 100kHz 6000V 200A				
Output(V)	N/A	45V	47V	41V

