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ILC-MED Series Operating Instructions

ILC-1000-MED-8



Hospital Grade Isolating Line Conditioner

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

This manual contains important information for model ILC-1000-MED-8 that should be followed during installation and maintenance of the Line Conditioner.

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

For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

Introduction

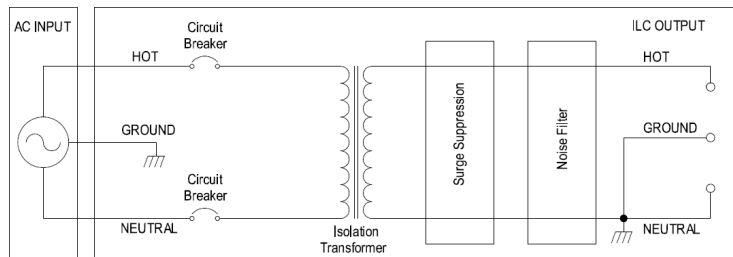
Your TSI Power ILC Isolating Filters with Surge Protection are designed to protect your sensitive electronic equipment from harsh commercial electrical environments. They provide true isolation, heavy-duty surge suppression and advanced interference filtering to ensure that every trace of spikes, surges, transients, interference and electrical noise that can harm your equipment is eliminated.

Designed for MEDICAL EQUIPMENT used in hospital environments the ILC-1000-MED-8 line conditioner reduces dangerous leakage currents to safe levels and have been safety tested by Intertek-ETL to the UL 60601-1 3rd Edition standards for medical equipment. The ILC-MED Series will provide enhanced operation, extend operating life and reduce maintenance costs, service costs and down time, while increasing safety.

WARNING

The ILC-1000-MED-8 unit is designed for use in USA and Canada only. DO NOT USE IN OTHER COUNTRIES WITHOUT CONSULTING WITH FACTORY.

Diagram of ILC-MED Series' Advanced Protection



Installation Instructions

- Place the ILC unit in a well-ventilated area, near a grounded (3 pronged) 120 V, 60 Hz hospital grade receptacle that is easily accessible.
- Plug the power cord into a receptacle marked: "Hospital Only" or Hospital Grade." Most such receptacles are marked with a green dot. **Caution: Grounding reliability can only be achieved when the plug attached to the ILC-MED unit's power cord is plugged into a receptacle marked: "Hospital Only" or Hospital Grade." Most such receptacles are marked with a green dot.**
- 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.
- Turn on the On/Off switch located on the rear of the ILC-MED unit. "I" is the ON position, "O" is the OFF. Clean AC power is now provided to the ILC-MED's rear receptacles.
- Turn on your equipment one at a time. If you have exceeded the maximum power rating of your ILC-MED, the rear circuit breaker will open after a short period of time. In such a case, reduce the load to your ILC and reset the circuit breaker or breakers. Note: It may take about 30 seconds for the thermal circuit breaker to cool and become resettable.
- To turn off the ILC, simply press the On/Off switch. "I" is the ON position, "O" is the OFF.

Rear Panel



Cleaning Instructions

To prevent overheating and reduced performance the ILC-MED unit should be cleaned when dust and/or residue build-up is observed.

Tools required: Vacuum cleaner, isopropyl alcohol (70%) and a soft cloth or paper towel.

Procedure

- Turn unit off, remove plug from outlet, remove plugs from back. Allow several hours to let unit cool down.
- WARNING! Do not attempt to clean inside of unit.
- Use vacuum cleaner with appropriate attachment (see vacuum cleaner manufacturer's manual) to suck up all residue from case and cover.
- Use isopropyl alcohol and a soft cloth to remove all dust and residue from case and cover.
- Allow several minutes for parts to dry.
- Do not inhale isopropyl alcohol. Safely discard used soft cloth or paper towel.

SPECIFICATIONS

| | |
|-----------------------------|---|
| Nominal AC Input: | 120 V, 60 Hz |
| Nominal ILC Output: | 120 V, 60 Hz, 1000 W (8.3 A) maximum |
| Surge let-through: | ANSI/IEEE C62.1991, Category B, Combination Wave, 6000V/3000A Line-Neutral: 250 V Line-Ground: 250 V Neutral-Ground: 0.5 V |
| Leakage Current: | Less than 300uA, hot/neutral to ground |
| Efficiency: | 94 – 97% |
| Physical Dimensions: | H = 5.5" (139.7 mm) L = 9.0" (228.6 mm) W = 7.5" (190.5 mm) |
| Weight: | 27 lbs (12.26 kg) |
| Environment: | Operating Temperature: 0° C to 40° C (32° F to 104° F) |