Medical Isolation Transformer
120V AC, 60Hz - Hospital Grade Outlets - Enclosed
Instruction Manual

Thank you for your purchase of the Larson Electronics MT-MEX-ISX-120V Series Medical Isolation Transformer.

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
CRITICAL SAFETY INSTRUCTIONS:

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

The Larson Electronics MT-MEX-ISX-120V Series Medical Isolation Transformer facilitates effective current isolation and power distribution in hospitals and medical buildings. This system features a toroidal isolation transformer and hospital grade outlets. Protected by an aluminum enclosure, operators may bring power into the unit via 10` of hospital-grade cord with a 5-15P or 5-20P (depends on model ordered) NEMA-rated cord cap.

DANGER: Risk for explosion exists if used in the presence of flammable anesthetics, or other flammable gases or liquids.

CAUTION: Check grounding continuity every three months

CAUTION: To reduce the risk of electrical shock, do not open the enclosure. No serviceable parts exist inside. Refer service to Larson Electronics. Equipment shall not be exposed to rain or moisture.

NOTE: Grounding reliability can only be achieved when this equipment is connected to a matching receptacle marked 'Hospital Only' or 'Hospital Grade'

CAUTION: This product requires convection cooling. Adequate ventilation is required. During installation, a minimum clearance of 2" must be provided to all sides, except the mounting surface.

CLEANING: Wipe the enclosure with a soft cloth and soapy water only. Please make sure no water leaks through the ventilation openings. After cleaning, immediately remove any washing residue.



Explanation of Symbols



This is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the product



This equipment can cause electric shock if not used in accordance with the operating and maintenance instructions in the literature accompanying the product

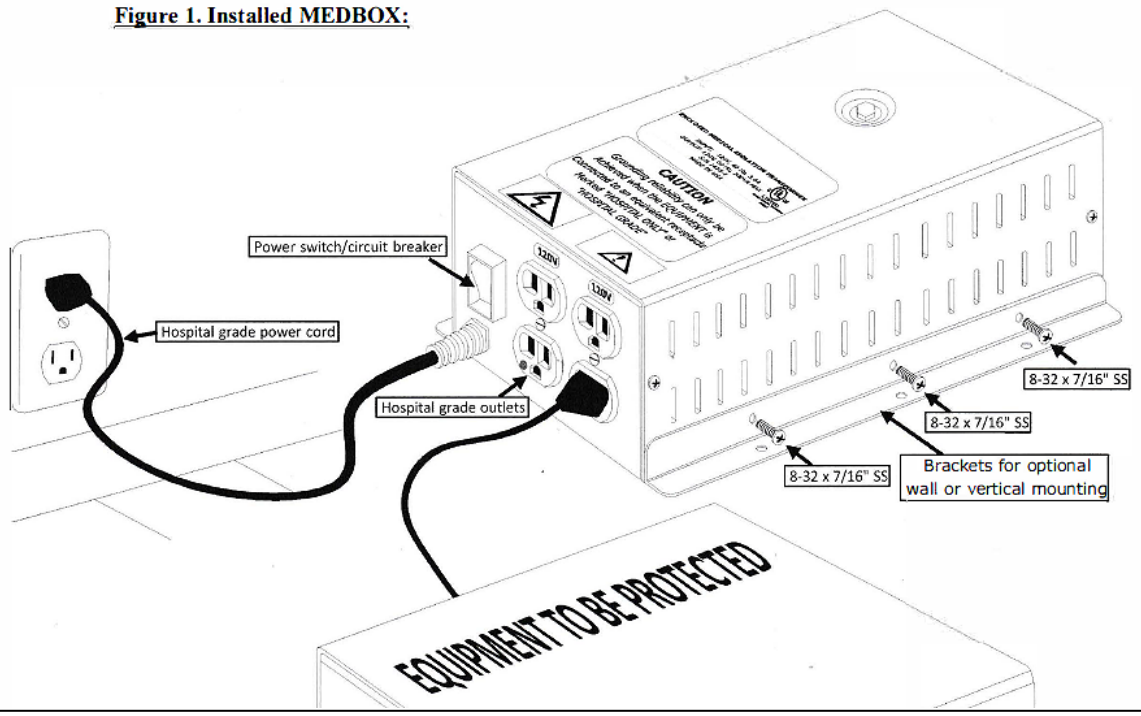
Mounting Instructions:

The isolation transformer can be placed horizontally on any flat stable surface such as a floor or table top. For high traffic locations, carts and unstable surfaces, use of the mounting brackets is recommended to ensure the stability of the transformer. The transformer can also be vertically mounted to a wall. Start by removing the three screws on each side at the bottom of the enclosure. Apply the two mounting 'L' brackets using the same Phillips (8-32x7/l6") screws. If those screws are no longer available, do not use screws longer than 7/16". For wall mounting, please use appropriate wall anchors unless fastened into wall studs or other forms of reinforcement available to support the weight of the enclosure. Appropriate air clearance is required for ventilation of the transformer (see caution paragraph on previous page).

Operating Instructions:

Check that the power switch/circuit breaker on the transformer is in the OFF position prior to connecting any devices to the transformer. When connecting the to the wall outlet, only plug into a Hospital Grade Outlet to ensure reliable grounding. Make sure that all the equipment to be connected to the transformer is also turned OFF. Connect the devices to the receptacles of the transformer. Next, turn ON the power switch to the transformer. The power switch will be illuminated RED when the power is ON. The equipment connected to the transformer is now ready to be turned ON and operated.
Please note that the power consumption of the transformer equals the total power usage of the devices connected to the transformer used at the same time. It is important that the total power in use at one time does not exceed the maximum power of the transformer as shown on the product label. The power ratings of available MT-MEX-ISX-120V Series units are shown on the following page.

Figure 1. Installed MEDBOX:



Specifications

All models listed in this manual are ONLY intended for 120V and 60 Hz input frequency.
DO NOT USE OTHER VOLTAGES OR FREQUENCIES.

Model Number	Output Voltage (Volts)	Output Current (AMP)	Output Power (VA)	NEMA Plug	Number Outlets
300VA	120	2.5	300	5-15P	2 x 5-15R
600VA	120	5.0	600	5-15P	3 x 5-15R
900VA	120	7.5	900	5-15P	4 x 5-15R
1.2KVA	120	10.0	1200	5-15P	4 x 5-15R
1.8KVA	120	15.0	1800	5-20P	4 x 5-15R

Classification: Class I equipment, Continuous operation

Electromagnetic Emissions: Group 1 Compliant. The transformer uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.

Note: - Maximum total output power listed is whether one or more outlets are used
- These models incorporate a thermistor to reduce the in-rush current. The thermistor may take one (1) minute to cool down to restore in-rush limiting properties.

Transport/Storage Conditions

- Do not expose to temperatures below 0°C (32°F) or above 50°C (122°F)
  Do not expose this equipment to relative humidity in excess of 90% RH (non-condensing)

Troubleshooting

DO NOT ATTEMPT TO REPAIR. ANY WARRANTY WILL BE VOID IF UN-AUTHORIZED REPAIR WORK HAS TAKEN PLACE.

No output power:

1. Verify that the transformer is connected to a wall outlet and that the power switch is ON and illuminated.
2. Check the circuit breaker for the wall outlet the transformer is connected to.
3. Use another wall outlet
4. These models incorporate a thermistor to reduce the in-rush current. Leave the transformer off for one (1) minute before applying power to the unit again.
5. If you continue to have problems with the transformer, please contact Larson Electronics for assistance.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.