WARRANTY INFORMATION

Meter-Treater, Inc. (**MTI**) warrants all **CLT Series** models to be free from defects, and will at our option repair or replace the product should it fail within ten (10) years from the first date of shipment.

This warranty is limited to defects in workmanship or materials, and does not cover customer damage, abuse or unauthorized modification. If this product fails or does not perform as warranted, your sole recourse shall be repair or replacement as described above. Under no condition shall **MTI** be liable for any damages incurred incidental or consequential damages arising from the use of or the inability to use this product. **MTI** specifically disclaims all other warranties, expressed or implied, and the installation or use of this product shall be deemed an acceptance of these terms by the user.

SERVICE

All warranty and non-warranty repairs must be returned freight prepaid and insured to **MTI**. All returns must have a Return Materials Authorization number on the outside of the shipping container. This number may be obtained from **MTI** Technical Service at (800) 342-6890. Products returned without an RMA number will not be accepted.

The **CLT Series** has no user servicable parts; therefore, it should not be opened by unauthorized personnel. If a **CLT Model** becomes nonfunctional it must be returned to **MTI** for replacement. Unauthorized attempts to service the product will void all warranty claims.

SAVE THESE INSTRUCTIONS

NOTE: If devices are received damaged, notify the shipping company immediately. Retain all containers and packaging materials for inspection.

M-TI
1349 South Killian Drive, Lake Park, Florida 33403
Phone: (561) 845-2007 Fax: (561) 848-2372
e-mail: sales@metertreater.com
Website: www.metertreater.com

CLT SERIES
COAXIAL LINE TREATER

USER MANUAL

INSTALLATION INSTRUCTIONS
AND
WARRANTY INFORMATION

MS 220-7/9/10
P/N: 902-4011-A00

CAUTION - IMPORTANT SAFETY INSTRUCTIONS

1. Never install communication wiring during a lightning storm.

2. This product is for INDOOR USE ONLY or for use inside an enclosure approved for outdoor use.

3. Read and understand all instructions prior to installation and operation.

INSTALLATION

The C**LT SERIES** of products are easy to install. The following instructions clearly explain each step:

NOTE: Make sure that you follow the installation instructions exactly; if the surge protector is improperly installed, the current limiting feature could be rendered inoperable.

CLT BNC Interface 1-Circuit DIN Models:

1. Mount the CLT surge protector in the desired location. For best performance the surge protector should be as close as practical to the equipment to be protected. The CLT DIN model may be mounted on standard DIN rail or the mounting tabs located near the terminals may be extended for direct placement using #6 fasteners placed 3-7/8 inches (98.4mm) apart.

NOTE: The CLT surge protector is connected in series. The Line side BNC connects internally to the load side BNC directly across from it. (see diagram).

2. Connect the Load (protected) Side of the CLT surge protector to the communication equipment to be protected.

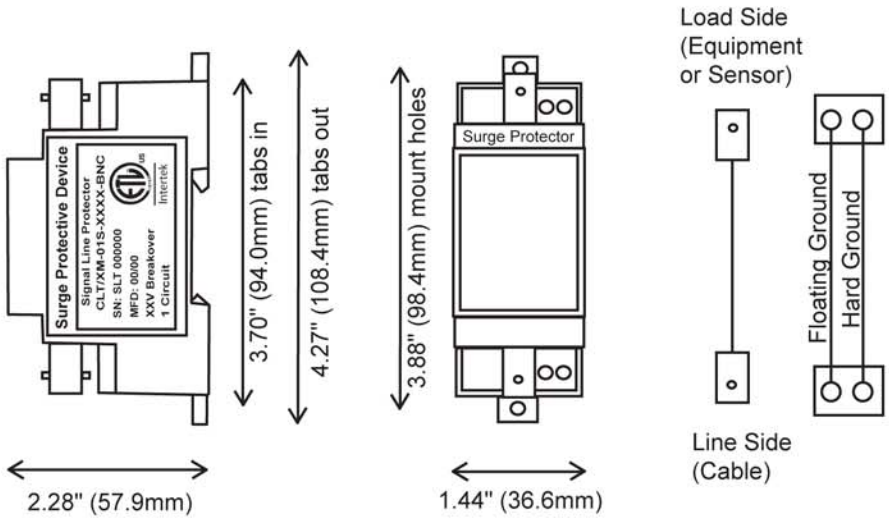
3. Connect the Line (unprotected) Side of the CLT surge protector to the incoming communication cable.

4. Connect a ground wire from the CLT surge protector to the nearest available chassis ground. There are two grounding options for the CLT surge protector. Only one ground connection is required. Connect the ground wire at either the Line or Load sides.

   a) Hard ground: The CLT surge protector has a direct connection to ground and is best used when the protected equipment is grounded at the same general location as the CLT surge protector.

   b) Floating ground: The CLT surge protector is used at a remote site where a camera (or other equipment) does not reference ground or has its own ground. The floating ground is used to prevent ground current loops that can cause problems with the signal.

MOUNTING INFORMATION



WARNING

Should your equipment or building be subject to a direct lightning strike, this product will not provide complete protection.

NOTE: If applicable, the protected device/equipment should also have power protection because it is still vulnerable to transients on the power lines. Omitting power protection poses a continued threat of failure at the communication interface.

GROUNDING

The unit's ground wire must be as short as possible with a minimum amount of bends. This will increase the effectiveness of the surge protector. Ground wire sizes between 20AWG and 14AWG are recommended. Larger size ground wires are more effective. Ground wire lengths in excess of 12 inches (30.5cm) is not recommended.

Typically the unit is hard grounded at the communication equipment and connected to the floating ground at the remote site to prevent ground loop currents due to different ground potential references.

The surge protector must not be hard grounded to ground points that are independent of AC ground.

NOTE: If you have any questions as to how your equipment is grounded, consult the manufacturer's user manual(s).