



**ETHERNET EXTENSION EXPERTS**

# Enable-IT 265LP Gigabit PoE Ethernet Lightning Protection Quickstart Guide



## Key Benefits

The following list identifies the 265LP Lightning Protection Kit key benefits.

- Protects against costly LAN equipment replacement in case of electrical damage.
- Rapid installation with small box profile, no programming and no firmware to upgrade.
- Low profile box with dual Ethernet LAN port and grounding terminal.

### Summary of Features

The Enable-IT 265LP Lightning Protection Kit has the following hardware features:

- Transparent to Ethernet line over existing CAT 2 (Telco) up to CAT6 wiring
- Uses RJ-45 Telco style jacks for Ethernet line protection
- Rapid Telco style installation – no programming required
- Supports digital PoE (Power over Ethernet) including Cisco reverse polarity
- Network Equipment independence – Transparent to protocols/applications/MAC

# INSTALLING THE 265LP LIGHTNING PROTECTION KIT

## OUTDOOR INSTALLATION WARNING

### IMPORTANT SAFETY PRECAUTIONS:

#### Site Plan - Installation Design Considerations

The planning process should involve a site walkthrough and discovery survey. Lightning and high voltage power line risks should be identified and avoided wherever possible for the installation for the 265LP and your wiring. Estimate the best locations to position the Enable-IT 265LP units to adequately protect any exposed or at risk wiring. Document your findings to use in designing a network topology and documentation to aid in the support your Ethernet connectivity.

**LIVES MAYBE AT RISK!** Carefully observe these instructions and any special instructions that are included with the equipment you are installing.

**CONTACTING POWER LINES CAN BE LETHAL.** Make sure no power lines are anywhere where possible contact can be made. Antennas, masts, towers, guy wires or cables may lean or fall and contact these lines. People may be injured or killed if they are touching or holding any part of equipment when it contacts electric lines.

Make sure there is **NO** possibility that equipment or personnel can come in contact directly or indirectly with power lines. Assume all overhead lines are power lines. The horizontal distance from a tower, mast or antenna to the nearest power line should be at least twice the total length of the mast/antenna combination. This will ensure that the mast will not contact power if it falls either during installation or later.

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## TO AVOID FALLING, USE SAFE PROCEDURES WHEN WORKING AT HEIGHTS ABOVE GROUND.

- Select equipment locations that will allow safe, simple equipment installation.
- Don't work alone. A friend or co-worker can save your life if an accident happens.
- Use approved non-conducting ladders and other safety equipment. Make sure all equipment

is in good repair.

- If a tower or mast begins falling, don't attempt to catch it. Stand back and let it fall.
- If anything such as a wire or mast does come in contact with a power line, **DON'T TOUCH**

**IT OR ATTEMPT TO MOVE IT.** Instead, save your life by calling the power company. • Don't attempt to erect antennas or towers on windy days.

**MAKE SURE ALL TOWERS AND MASTS ARE SECURELY GROUNDED, AND ELECTRICAL CABLES CONNECTED TO ANTENNAS HAVE LIGHTNING ARRESTORS.** This will help prevent fire damage or human injury in case of lightning, static build-up, or short circuit within equipment connected to the antenna.

