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# NAPCO NetLink™ NL-ULBD

## Transient Protection Device

### INSTALLATION INSTRUCTIONS

WI1256B 11/08

#### GENERAL DESCRIPTION

The NAPCO NetLink™ NL-MOD-UL is a device that allows the reporting of alarms over a TCP/IP based (Intranet or Internet) network. The NL-MOD-UL is housed in a separate plastic enclosure, and although it includes electromagnetic protection (and meets direct and indirect ESD requirements for Information Technology equipment), burglary applications may call for better protection.

Therefore, the NL-ULBD was created to provide added transient protection and mounts entirely inside the NL-MOD-UL housing. The NL-ULBD protects the NL-MOD-UL from significantly larger transients and surges which may emanate from the network cable or associated devices. It is connected in series between the Ethernet cable that provides network access and the RJ-45 connector in the NL-MOD-UL.

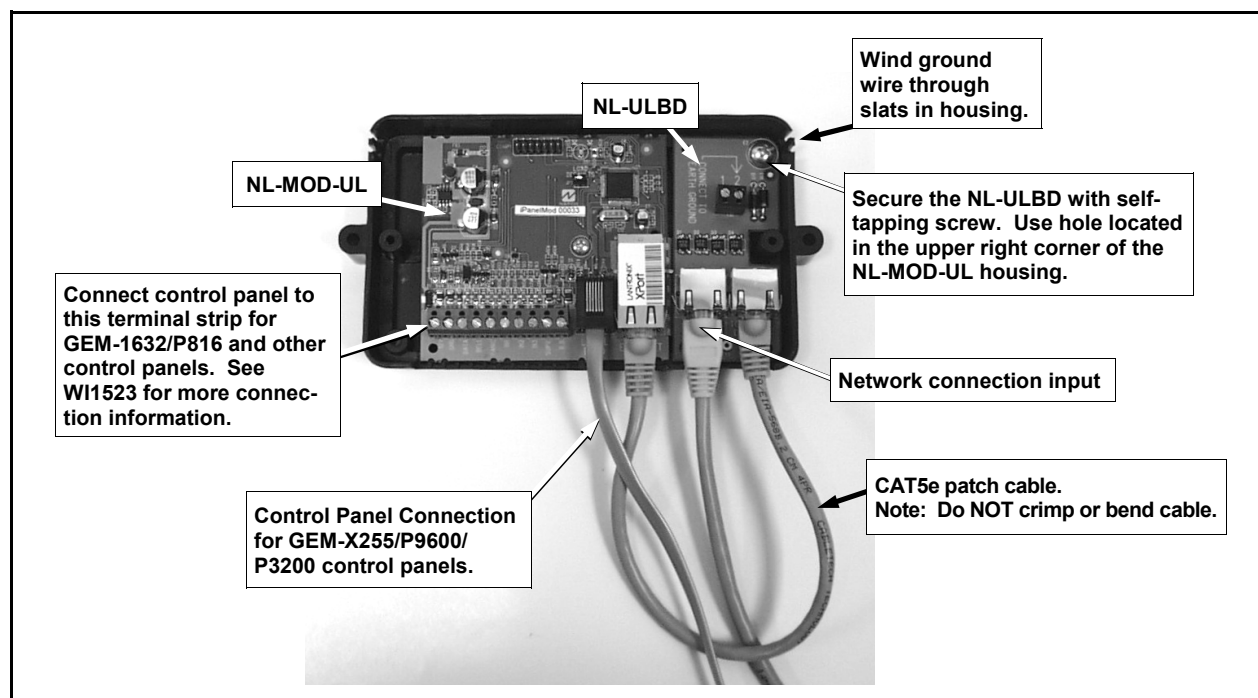
**Note:** For NL-MOD-UL installation instructions, please see WI1523. Before installing the NL-ULBD, be sure to remove power to the panel, and that the installation of the NL-MOD-UL is complete as per the WI1523 instructions.

1. **Install the NL-ULBD.** Within the NL-MOD-UL housing, install the NL-ULBD using the self-tapping screw (supplied). Place the screw through the E2 mounting hole in the NL-ULBD and into the upper-right corner mounting hole until secure.
2. **Connect Earth Ground.** Connect a ground wire to NL-

ULBD terminal 2 (marked "Connect to Earth Ground"), and connect the other end to the *Earth Ground* mounting screw located on the control panel board (or to the same ground location to which that panel *Earth Ground* mounting screw is connected). Wind wire through vertical slats in housing (see illustration below). Be sure to use a No. 18 AWG. or larger wire to a metal cold-water pipe. Do not use a gas pipe, plastic pipe or AC ground connections. **NOTE:** Grounding connections should avoid bends in the grounding wire whenever possible.

3. **Control Panel Connections.** Connect the NL-MOD-UL to the control panel as described in WI1523.
4. **Network Connection.** Connect the NL-ULBD to the network by connecting the network RJ-45 cable into the NL-ULBD receptacle marked "To Network".
5. **Connect Patch Cable.** Connect the CAT5e patch cable (1 foot in length, supplied) into the NL-MOD-UL RJ-45 receptacle marked "Ethernet" and connect the other end into the NL-ULBD receptacle marked "To NL-MOD Ethernet Input".  
**Important: DO NOT crimp or bend cable.** Cable must maintain a wide radius to ensure high speed data transfer. See image below.

After all connections are complete, apply power to the NL-MOD-UL as described in WI1523.



## NAPCO LIMITED WARRANTY

NAPCO SECURITY SYSTEMS, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for thirty-six months following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

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Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period.

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NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

**Warning:** Despite frequent testing, and due to, but not limited to, any or all of the following: criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

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