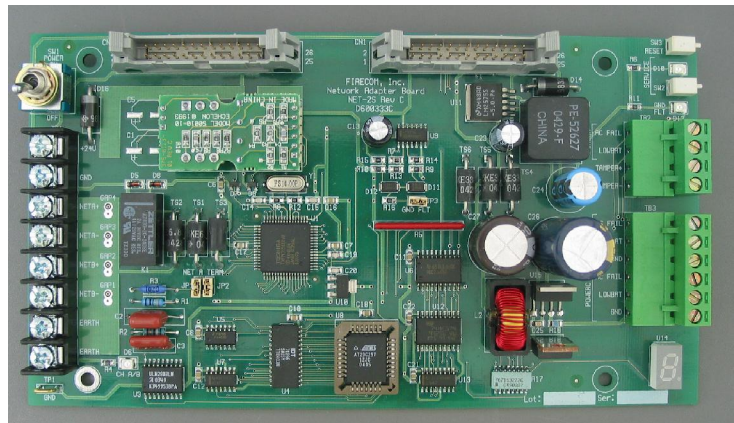


## Features

- ▶ Data Riser Termination Board w/26 Pin Network Ribbon Cable Connector
- ▶ Microprocessor Controlled
- ▶ 3 Low Battery & AC Fail Inputs
- ▶ Occupies One Node Address
- ▶ Style 4, 6 or 7 Riser Wiring
- ▶ Echelon® LonTalk® Communications
- ▶ Low Power Consumption
- ▶ 1/2 Module Footprint



## Description

The NET-2S Network Adapter Board provides a network ribbon cable connector for means of interfacing the riser Network Data Lines (NET A & NET B) to network modules. The NET-2S provides terminals for connection of the riser Network Data Lines and a ribbon cable connector that can support up to any ten network modules that require a Network Ribbon Cable. The NET-2S Network Adapter Board also provides AC Fail and Low Battery terminals to monitor up to three PS-6A or PS-6B power supplies. An On/Off Power Switch, Technician GND Test Clip and Seven Segment Diagnostic LED are also included. A cabinet door tamper switch input is also provided.

## Application

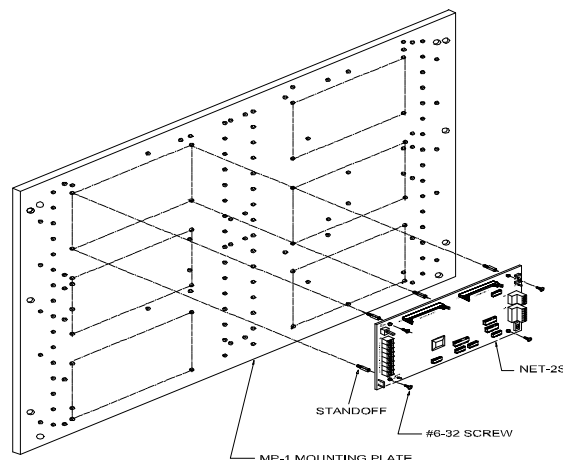
The NET-2S Network Adapter Board allows the electrical contractor to terminate the Network Data Line riser wires in remote ITC-2000 enclosures. The NET-2S provides terminals for NET A and NET B Data Lines and a Network Connector. The Network Connector supplies power and data signals to any modules connected to connect modules such as the ALM-100 Analog Loop Module

## Installation

The NET-2S Network Adapter Board mounts to the MP-1 Mounting Plate.

## Approvals and Listings

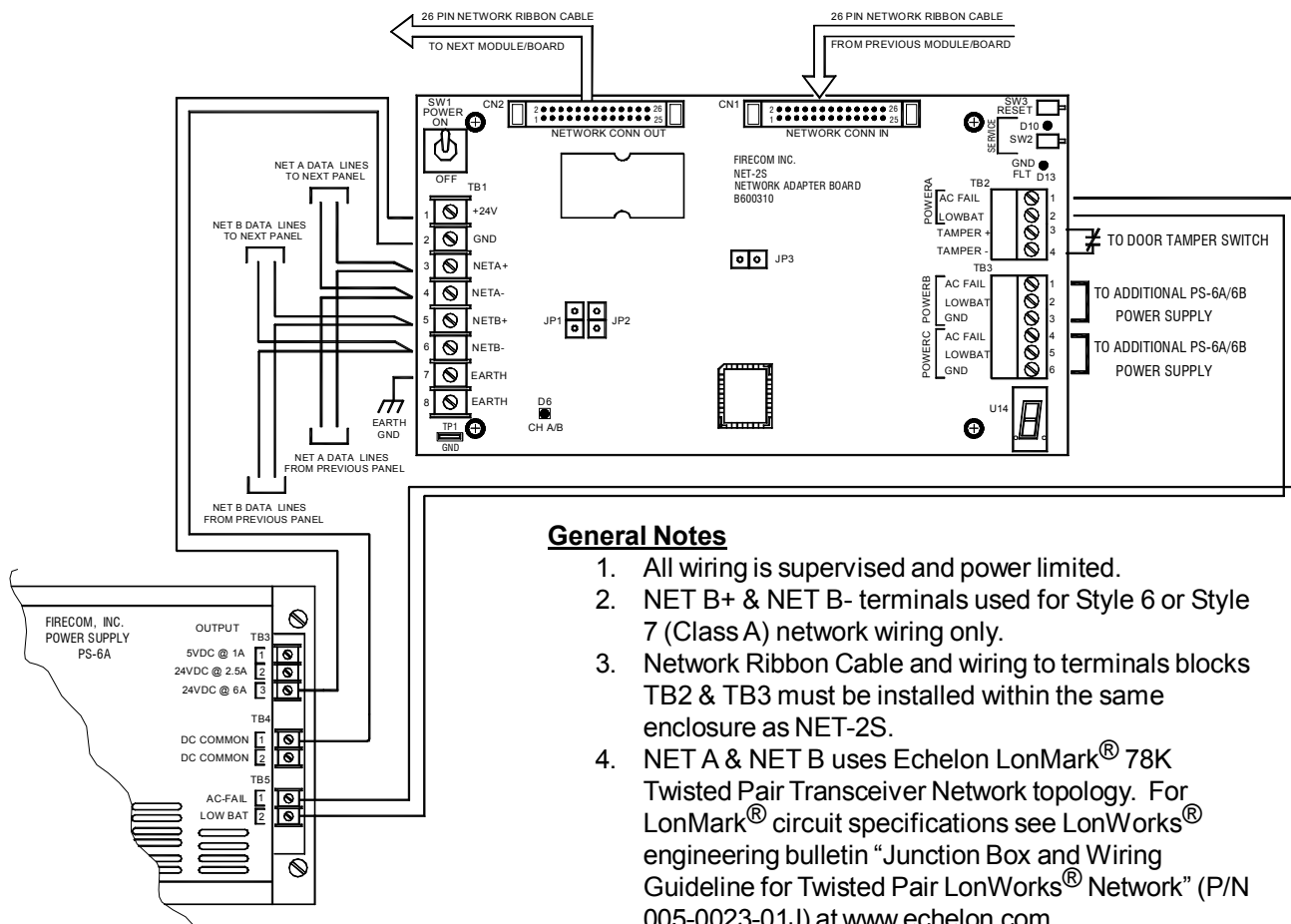
Underwriters Laboratories (File No. S2184)  
NYC MEA (MEA No. 32-95-E)



# Engineering Specifications

The NET-2S Network Adapter Board shall be a network module that is capable of mounting to a MP-1 Mounting Plate and shall connect to the Riser Network Data Lines in a Style 4, 6 or 7 configuration. It shall provide a ribbon connector to allow a 26-Pin Network Ribbon Cable to be connected containing up to ten (10) network modules. A Power On switch shall also be provided to allow the ease of removing or servicing modules connected to the NET-2S.

## Wiring Connection



### General Notes

1. All wiring is supervised and power limited.
2. NET B+ & NET B- terminals used for Style 6 or Style 7 (Class A) network wiring only.
3. Network Ribbon Cable and wiring to terminals blocks TB2 & TB3 must be installed within the same enclosure as NET-2S.
4. NET A & NET B uses Echelon LonMark<sup>®</sup> 78K Twisted Pair Transceiver Network topology. For LonMark<sup>®</sup> circuit specifications see LonWorks<sup>®</sup> engineering bulletin "Junction Box and Wiring Guideline for Twisted Pair LonWorks<sup>®</sup> Network" (P/N 005-0023-01J) at [www.echelon.com](http://www.echelon.com).

## Electrical Specifications

Operating Voltage	24VDC
Operating Current	23mA
Operating Temperature	0°C to 49°C
Operating Relative Humidity Range	0% to 93% @ 32° C

## Ordering Information

Model No.	Part No.	Description
NET-2S	71278	Network Adapter Board

It is our intention to keep the product information up to date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information contact: FIRECOM, INC.