



TAC MicroNet ProView for LON

Based on the LonTalk™ open network protocol, the ProView™ for LON Display is a multi-function LCD display equipped with a 3150® Neuron® processor. Unique in the industry, it can display, and interface with, up to 250 network variables.

Interoperability

- Based on LonWorks technology for peer-to-peer communication between controllers.
- LonMark certified according to the Interoperability Guidelines, Version 3.3.

Hardware

- Backlit LCD display with a 128 x 128 pixel screen.
- Configurable through an easy-to-use UNC Wizard.
- Simple to use 6-button interface for navigation and data entry.
- Battery backup for clock with 15-year lifespan.
- Designed for wall mounting, either directly or using a DIN rail. May be panel-mounted with use of optional bezel.

Display Object

- Supports English or metric units.
- Read/write support for up to 250 points.
- Supports regrouping of displayed points into a maximum of 50 groups.
- Acts as a node and can be plugged in anywhere on a LonWorks network.
- Supports assignment of user passwords, allowing either full access or view only.
- Auto log-off feature.

ProView for LON can be used with the TAC I/A Series MicroNet™ LON controllers as a human-machine interface (HMI). Being fully interoperable, it can also operate with any LonMark™ compliant device, using SNVTs or UNVTs. The ProView for LON is configurable to allow grouping of up to 5 points (variables) per group, with a maximum of 50 groups. The group and variable names are customizable with up to 13 and 16 characters, respectively.

ProView for LON is the perfect interface for systems of all sizes, wherever a PC front end is not always required. It is also ideal for large and complex systems where an HMI is desired for a faster and more convenient access. It is truly a “window” into your LonWorks™ system.

Specifically designed to manage systems without a supervising station, the ProView for LON allows quick and convenient access to the system when the PC front end cannot be easily reached.

The display allows the user to monitor or modify states and set points for any variable in a LonWorks network. It supports up to 16 independent schedules, with four holiday templates per schedule.

Table-1 Model Chart.

| Model | Description | Dimensions W x H x D |
|--------------|---------------------------------------|--|
| MNL-PROV-WAL | ProView for LON Display, Wall-Mounted | 4-9/16 x 4-9/16 x 1-15/32 in. (116 x 116 x 37 mm) |
| MNL-PROV-BEZ | Optional Bezel for Panel-Mounting | 6 x 6 x 1-15/32 in. (151 x 151 x 37 mm) |

SPECIFICATIONS

16 Scheduler Objects

- Each object contains one schedule.
- All schedules are stored in on-board flash memory.
- Schedule network variables are of changeable type and length.
- Seven weekday templates available per scheduler.
- Six configurable events per day, per schedule.
- Four holiday templates per schedule.
- Schedules can be edited locally, on the display.

Real Time Clock

- Allows configuration of daylight saving time.
- Accurate timekeeping for controller applications.

HARDWARE SPECIFICATIONS

Platform

Neuron 3150 processor; 8 bits, 10 MHz.

Integrated floating point processor.

Battery Backup (CR 2032 lithium battery).

Real-time clock chip.

Memory

Nonvolatile flash, 64 KB, for APB applications.

Nonvolatile flash, 64 KB, for storage.

COMMUNICATIONS

Transceiver

TP/FT-10; 78 Kbps.

Protocol

LonTalk.

POWER SUPPLY

Input Voltage

24 Vdc or 24 Vac $\pm 15\%$, 50/60 Hz (Class 2) power supply.

Input Frequency

47 to 63 Hz (on Vac power).

Power Consumption

8 VA typical; 13 VA max.

Circuit Protection

1.5 A removable fuse.

CHASSIS

Construction

Off-white ABS plastic resin.

Overall Dimensions

See Table-1.

Weight

0.73 lbs (0.33 kg).

DISPLAY SCREEN

Display Type

Backlit LCD.

Definition

128 x 128 pixels.

Dimensions

2.1 x 2.1 in. (5.5 x 5.5 cm).

Status Indicator

Green LEDs on six-button interface.

AMBIENT LIMITS

Operating Temperature

32 to 158 °F (0 to 70 °C).

Shipping and Storage

-4 to 158 °F (-20 to 70 °C).

Humidity

5 to 90%, non-condensing.

AGENCY LISTINGS

UL

Listed 6EA7, "Energy Management Equipment."

FCC

Part 15, Subpart B, Class B.

EUROPEAN COMMUNITY (CE)

EN55022

1998 Class B.

EN61000-4-2

1995 Level 3 in air, Level 2 by contact.

EN61000-4-3

1996, Level 2.

EN50204

1995, Level 2.

EN61000-4-4

1995, Level 2.

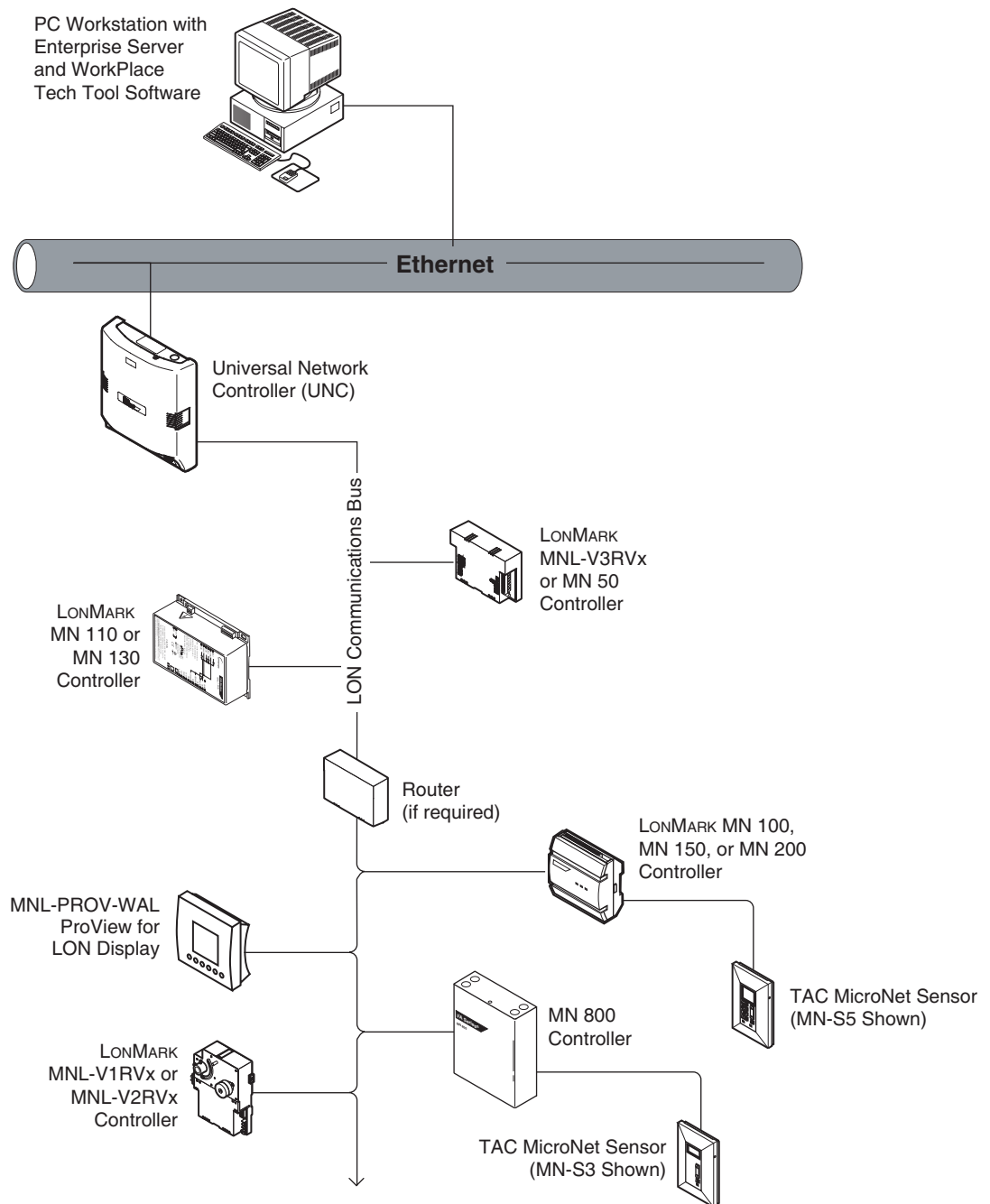
EN61000-4-6

1996, Level 2.

Options

MNL-PROV-BEZ

Optional bezel for panel-mounting the ProView for LON Display. See Table-1 for dimensions



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