



## PRODUCT SPECIFICATIONS

# TraceView™ NETWORK EXPLORER

## Heat Trace Systems Communication Software

### APPLICATION . . .

TraceView Network Explorer (TVNE) is a Supervisory Control and Data Acquisition (SCADA) package. It was developed specifically for interfacing with Thermon control and monitoring systems through serial and Ethernet connections using Modbus ASCII or RTU protocol. TVNE can also communicate to Distributed Control Systems (DCS) through serial or Ethernet connections.

TraceView Network Explorer can be operated on a PC at distances of up to 4,000 feet (1219 meters) from direct RS485 serial connections.<sup>1</sup> For serial (RS485) Modbus connections, TVNE can communicate with up to 247 controllers per channel over 32 channels. For Ethernet connections, TVNE can communicate with up to 4096 controllers over 32 channels. A TraceNet TN series control system, which communicates over Fast Ethernet, is currently limited to one 180 circuit TSM1 per channel for up to 32 channels.

TraceView Network Explorer supports communications with all TC, TN, ECM, and CVM heat trace control and monitoring systems.<sup>2</sup>

### SYSTEM REQUIREMENTS . . .

CPU ..... 400 MHz or faster, 32 or 64 bit  
Operating System..... Windows® XP, Vista or 7  
Color Monitor ..... 800 x 600 resolution or higher  
Available RAM ..... min. 512 MB  
Free Hard Disk Space<sup>3</sup> ..... min. 512 MB  
Communication Port(s) ..... Ethernet, USB, RS485

### Notes . . .

1. Serial communication distances based on baud rate of 9600. Longer distances are possible with repeaters.
2. TraceView Network Explorer supports other Thermon control systems. Contact factory for additional details.
3. Additional space required when auto exporting historical or trend data over long periods of time or for storing isometric or other files.
4. Refer to specific Thermon product specifications for control parameters available on control and monitoring device. Contact factory for additional details.



### FEATURES . . .

- Continuously monitor and manage all heat traced lines and equipment.
- Access heat trace operating parameters<sup>4</sup> such as heater current, ground/earth leakage current, control and alarm settings for analysis and set point changes.
- Monitor system operating status, and track alarms and events.
- View up to ten (10) files (.dwg or .pdf) for isometric drawings, sketches, and/or identifying photos as well as operator notes for each controlled circuit
- Provides password protection to assure settings can only be changed by authorized users and tracks user changes in a multi-user database.
- Initiate trend logging of temperature, heater current, and ground/earth leakage current values for any circuit.<sup>4</sup>
- Includes an advanced software-based warning system for critical event detection in the heat tracing or communications network.
- Initiate and reset load shedding based on priority grouping of heat trace circuits through Modbus messaging or dry contact inputs.
- Automatically export historic and trend data to time-stamped files.
- Set up common alarm outputs for external I/O.
- Export and import the complete plant and network setup through comma de-limited files
- Graphically display all heat trace circuits through a process, location, or network view.
- Set up client server relationships between other instances of TVNE that may reside on separate computers.

### THERMON The Heat Tracing Specialists®



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