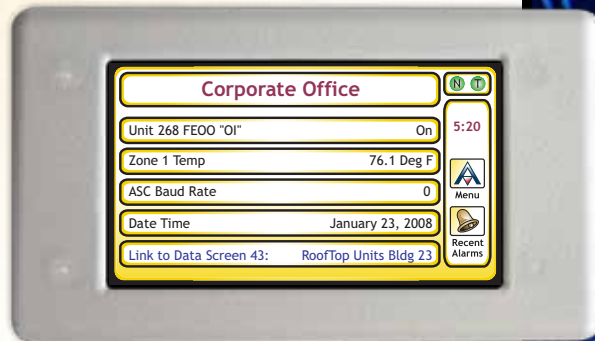


DESCRIPTION

The NB-SD is a compact, addressable network display device for MS/TP based BACnet networks. It enables users to quickly monitor their system and easily make changes to the way their building is controlled. The wall mounted NB-SD has a touch-screen operator interface with permission based menu icons, allowing simple navigation to read and write BACnet values, view alarms, grouped data, and point descriptions. The NB-SD is easily configured via Windows®-based software utility.

FEATURES

- Able to automatically display and modify up to 150 BACnet object properties
- Can manually address, view and modify any primitive data points on the BACnet network
- 50 configurable data screens containing live BACnet network data and/or hyper-links to other data screens allow unique point groupings
- 12-bit color, 480 x 272 pixel TFT-based Touch Screen Local User Interface for data display and modification
- Conforms to BACnet MS/TP LAN Standard
- Configurable header information
- Multi-tiered icon driven screen navigation
- Available "Home Screen", adaptable to display frequently viewed or accessed data
- Intuitive Screen Calibration
- Multi-level numeric password-based access protection
- Able to "sniff" network traffic, store and display up to 128 notification or summary alarms
- Flash program upgradeable through use of standard SD/MMC card port
- Standard text representation of specified events
- Programmable display dimming functions to protect against image burn
- Non-volatile memory stored on the NB-SD for back-up and cloning over the network
- Network time synchronization capabilities (requires interaction with a live time master)
- Configured using Windows® API-Pro™ configuration utility via the MS/TP network or the SD card



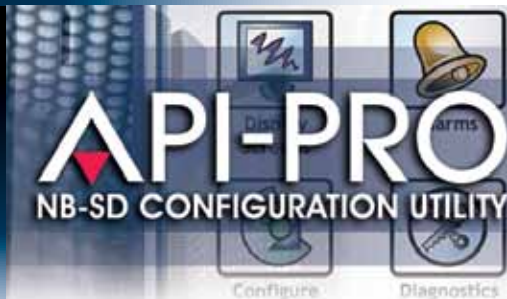
Home Screen



Main Menu Screen

API-Pro Configuration Utility

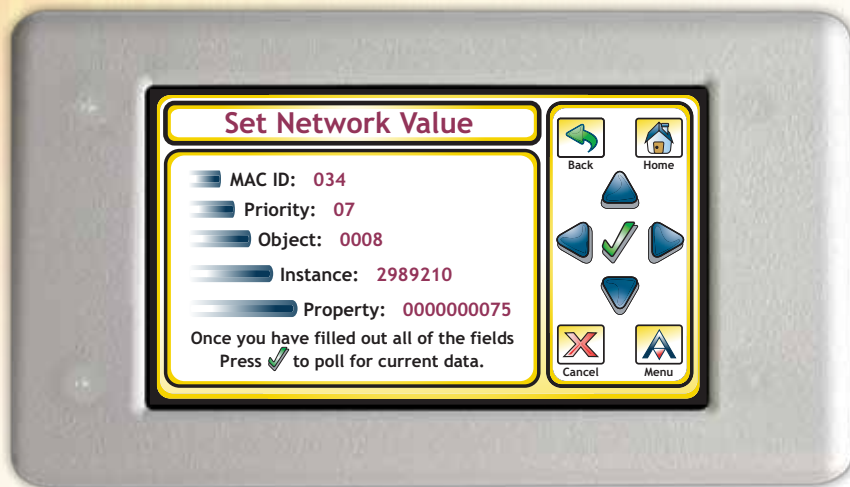
API-Pro is a PC-based configuration environment used to setup and configure the operational parameters of the NB-SD. Through the use of this software users can define key data from BACnet MS/TP units which will be displayed on the screen for monitoring and modification. Once all configuration parameters have been defined, a configuration file can be generated (saved) and transported to the NB-SD through the use of its local SD-card socket or via BACnet File Services.



NB-SD

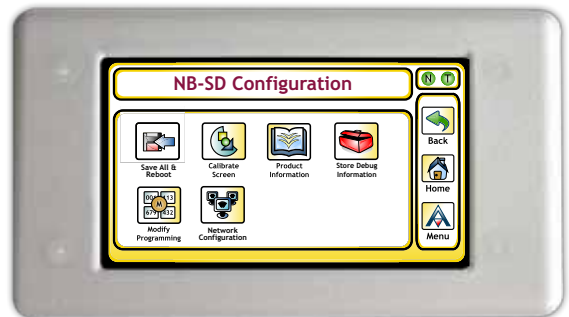
BACnet Networkable Small Display

THE NB-SD SMALL DISPLAY



Data-Entry Screen

- Token and network activity icons
- 50 customizable 24-character menu text headers
- Customizable long (150 characters) and short (24 characters) text description for each datapoint
- Chemical resistant “Kydex” plastic case, mountable on both US and Euro switch boxes
- IP-44 water protection available
- Touch screen protected by a chemically resistant polyester membrane
- Field upgradeable for future functionality
- Advanced MS/TP diagnostics utilities
- Adjustable volume control
- Up to 16 linked BACnet schedules and calendars



Configuration Screen

SPECIFICATIONS

Processor	Touch Screen Display	Local Memory Storage	
<ul style="list-style-type: none"> • High-speed 32-bit processor running at 86 MHz 	<ul style="list-style-type: none"> • Backlit 16:9 widescreen TFT color LCD • 480 x 272 pixels 	<ul style="list-style-type: none"> • 8MB Intel on board flash 	
SRAM	Features	Communications	SD / MMC Card Socket
<ul style="list-style-type: none"> • 1 MB RAM 	<ul style="list-style-type: none"> • Revert button • Reset button 	<ul style="list-style-type: none"> • BACnet MS/TP Master • 9.6, 19.2, 38.4, 76.8 kbps, 576k, 115.2k 	<ul style="list-style-type: none"> • Supports 2GB storage capacity
Dimensions	Operating Environment	Power Requirements	
<ul style="list-style-type: none"> • Overall size: 6.0 x 3.4 x 1.0 in. (15.24 x 8.64 x 2.54 cm.) • Mounting holes for 2X4 utility or 2X2 K power box 	<ul style="list-style-type: none"> • Operating temperature: 32 to 122°F (0 to 50°C) • Relative humidity: 0 to 80% noncondensing 	<ul style="list-style-type: none"> • Input: 14-29 VAC/DC, 50/60 Hz; 4W Maximum; Class 2 	

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