

BACnet Operator Display Panel

[Description]

NVT35U touch screen panel is a BACnet B-OF level operator display panel. It uses a 32 bit microprocessor. Communication speed up to 76,800bps to 1,200M. Control pages of NVT35U are set by using AIRTEK BACsoft software. The panel can display English, simplified and traditional Chinese fonts. It is connected to BACnet MS/TP network. User can read data of any device on the network. User can either control multiple devices with a NVT35U or control a single device with multiple NVT35U. Graphic display and touch screen makes the device easy for user.



[Features]

- BACnet B-OD control panel conform ASHRAE BACnet MS/TP standard
- 3.5" screen, 65,535 colors, touch screen TFT LCD, 320*240 pixel, setup with AIRTEK BACsoft software.
- Selectable simplified Chinese, Traditional Chinese, and English, UTF-8 fonts, simplified and traditional Chinese can be display in the same screen graphic.
- Four + F1 + F2 + F3 function keys, is system setup key. F1, F2, and F3 can be setup as function keys for switch display pages.
- Update firmware and upload graphic pages by using a Micro USB cable.
- 6M Bytes fonts and graphic memory. It can hold up to 25 pages display graphic. Actual pages depend on data size.
- The panel can read property of a BACnet device on the network. The reading property can be logic, value, list, string, object, time, date, or list status of a bit string.
- Display incoming alarm notification messages from any device on the network. Most recent 80 messages will be stored in message history.
- 10 password levels, user can setup up to 20 passwords.
- Has a BACnet MS/TP network communication quality monitor function.
- Time synchronize function. Selectable to broadcast on the BACnet network.

[Specification]

Power Supply	: 24VAC/VDC, 5VA (Do not use the 24VDC provided by a DDC. It does not have enough watt)
LCD Display	: 3.5", 65,535 colors, touch screen TFT LCD, 320*240 pixels.
Microprocessor	: 32 bit microprocessor, 64K RAM, 384K Flash memory, 8M memory for fonts and user information.
MS/TP Net	: MS/TP RS-485 network, 9,600 to 76,800bps auto detect, Max. 1200M.
USB Port	: A micro USB port for upload firmware and information.
Clock	: A gold capacitor to run clock for 48 hours after power interrupted.
Keys	: Four function keys + F1 + F2 + F3. is system setting key. F1, F2, and F3 are function keys.
Buzzer	: One buzzer
Environment	: 0~70°C, 0~95%RH non-condense.
Certificate	: EMC Directive 89/336/EEC (European CE Mark).
BTL List	: BACnet B-OD
Setup Cable	
HMI-LINKER	: USB Setting cable

【 Installation 】

- For wall mounted, the double gang back box should be selected for enough wiring space.
- Lock the fixed sheet iron by the screw then installs the controller and pushes down to fix it. Uninstall it by reverse process.
- Use the AWG22 shield cable and EMT to obtain good control effect.
- An independent 24VAC power supply is required for this device. This power supply should not share with other devices.
- Setup, upload firmware, and upload graphic display by using the BACsoft software and connect PC to NVT35U with USB2.0 to Mini USB cable (see Fig. 2).
- To install NVT35U on a MS/TP network, user should follow RS-485 networks general wiring rule, does not be T shape or star shape configuration. Add terminal resistor at both side. If NVT35U is located at the end of a network, the terminal resistor can be installed on its port (see Fig. 3).
- Pay attention to avoid dust, condensate environment element to prevent product damage.

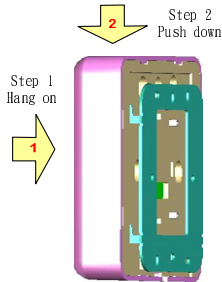


Fig. 1 Installation

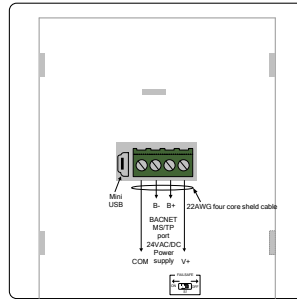


Fig. 2 NVT35U Port

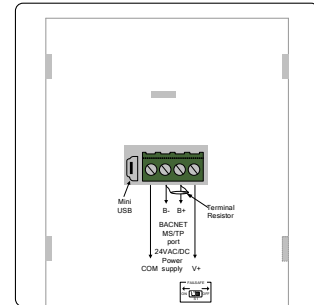
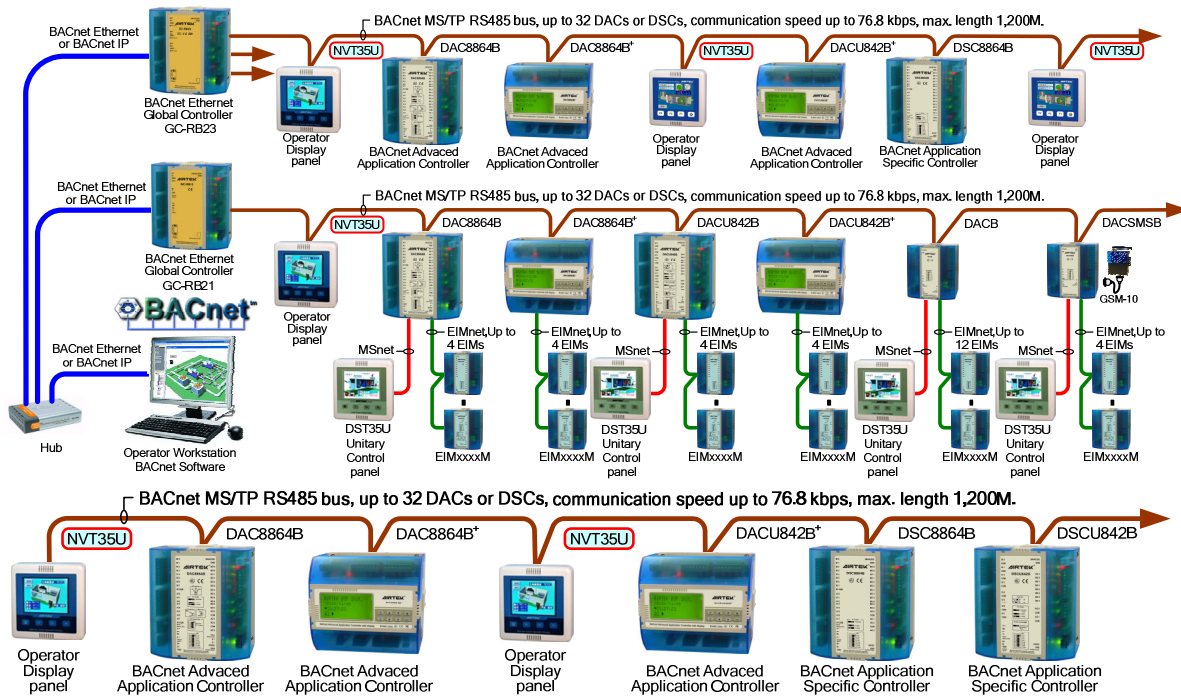
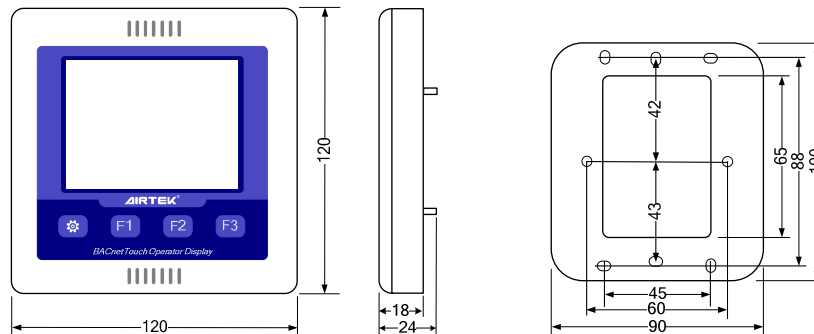


Fig. 3 Terminal Resistor

【 Network 】



【 Dimension 】 Unit: mm



Please refer to <http://www.airtek.com.au> for the most recent updated information.