Net/X[™]



NT-SSA16/CLK Net/X Network Controller

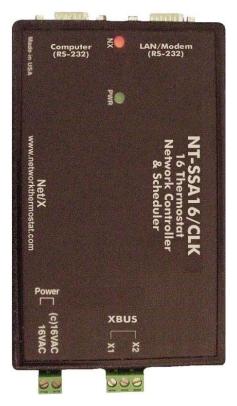
Non-Expandable

- CONTROL UP TO 16 Net/X-STATS
- REAL-TIME CLOCK/CALENDAR

(2) RS-232C Ports

GENERAL DESCRIPTION

The NT-SSA16/CLK network controller supports up to 16 Net/X-Stat thermostats. The NT-SSA16/CLK includes a real-time clock/calendar that allows simple, yet robust environment control. The network controller enables simple integration with any control system, automation system or personal computer. Two RS-232C ports are included for dual connections to local and remote needs. Removable screw terminals are included for power and the Net/X-Stat bus for communications, and a serial cable is included for RS-232C connection. The NT-SSA16/CLK accepts simple ASCII commands using a published open protocol and replies with readable text answers. The entire family of controllers has built-in intelligence to correct illegal thermostat settings that might damage equipment.



Standard Features

Hardware

- Two RS-232 Serial Ports; One Net/X-Stat Communications Port
- Allows full control of up to 16 thermostats on the controller
- No additional hardware needed at the thermostat
- Any Net/X Thermostat can be up to 1000' away; Combined total of 4000' for all thermostats
- Any mix of home-run, daisy-chain or multi-drop wiring can be used
- Only two wires needed for communications with the thermostat using CAT5 cabling
- Advanced protection circuitry for data inputs/outputs; All input/output/power on removable connectors
- Non-volatile clock/calendar setpoint memory
- Integrated Real-Time Clock/Calendar allows hundreds of scheduled programs

RS-232 Features

- One port connects directly to any PC or control system
- One port connects directly to the NT-MODEM External Modem or NT-LAN232 Ethernet Adapter

Software/Manuals

- Open ASCII Protocol allows custom software development
- ASCII Protocol Summary and complete Protocol Manual available
- Installation Manual included; Pre-wire Manual available
- NetworkThermostat Command Center, Windows-based software included
- All Manuals/Software/Application Notes available on the web site

Note: Specifications subject to change without notice.

SPECIFICATIONS

Rated Voltage: 16VAC nominal, +/- 20 %

Rated A.C. Current: 200 mA maximum

Indicator LEDs: PWR (power) blinking - normal operation;

steady - system interruption occurred

SS (Net/X-Stat) flashing - transmission in progress

Dimensions: 3.6" H x 6.25" W x 7/8" D (91 mm x 159 mm x 22 mm)

Power Terminations: 16VAC - power, 16VAC(c) - power common

Communication Terminations: X1 - Data(+); X2 - comm(-)

RS-232 Terminations: 1) LAN/Modem - 9-Pin Female D-Sub,

pins 2, 3, 5; 7 & 8 opt. (RTS/CTS)
2) Computer - 9-Pin Male D-Sub,
pins 2, 3, 5; 7 & 8 opt. (RTS/CTS)

Typical Wiring Diagram

