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 (91mm x 159mm x 22mm)
- **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)