



ASI Controls

Multi-port System Interface

SINC/3 Features

- RS-232 Modem Access
- RS-232 Direct Access
- Real Time Hardware Clock
- Baud Rate Conversion at up to 19,200 baud
- Message Buffering
- Token Passing
- Local Bus Polling
- Dial-in, Dial-out
- Rx,Tx Indication
- Works with EtherLink
- Supports Alarm and Event Notification
- Integrates with ASI Alarm Monitor

The SINC/3-3000 is a microprocessor based Multi-port System Interface that provides communication access to a network of ASI controllers from a system host computer or modem. The SINC/3 provides the electrical interface between the RS-232 full duplex communication, and four RS-485, 1/2 duplex balanced line communication buses. Red and green LEDs indicate receive and transmit status of the Direct, Modem, RS-232 ports and System and Local RS-485 communication busses. It communicates using ASI communication protocol messages at Up to 19,200 baud. The RS-485 inputs and outputs are protected with 1/8 A pico fuses. The 24 Vac power input is protected with a 1/2 A fuse.

The SINC/3-3000 supports dial-in or dial-out on a dedicated RS-232 modem port. The SINC/3 also supports EtherLink TCP/IP communications on the modem port. Alarm and Event Notify events can be passed from the system bus, through the SINC/3 and EtherLink to Alarm Monitor at a remote IP address.

The SINC/3-3000 supports token passing on the System bus. It can also be configured as an RS-232 access device for a token passing system bus.

The SINC/3-3000 supports polling on the Local Busses and allows pass-through communication from the System bus, the Modem Access Port or the Direct Access Port to the local buses.

The SINC/3-3000 comes with a real time hardware clock and can broadcast time on the network and can be used to synchronize time on networks of ASIC/2 or ASIC/1 controllers.

The SINC/3-3000 can act as an optional baud rate buffer to allow networks communicating at differing baud rates to be linked. A typical application would be a modem link at 9600 baud connected directly to a control system at 19,200 baud. One could also add new controllers communicating at up to 19,200 baud to a building that has existing ASIC/1 controllers at 1200 baud.

The functions of the SINC/3-3000 are determined entirely by the configuration held in non-volatile EEPROM memory that retains program data during power interruption.

The controller is easily configured using Windows™ based ASI configuration software, ASI Expert, in a PC to set parameters such as Access and System Baud Rate, Access and System Bus Addresses. Comprehensive documentation is available in Windows™ Help format, which may be run in one window while setting up the controller in another window.





Specifications

Power Supply

Supply Voltage: 24 Vac @200 mA
 Power: 12 VA Maximum
 Fuse: 1/2 A fuse
 Optional: 10 Vdc @200 mA

RS-232 Communication (2)

Function : Direct Access DCE and Modem Access (DTE)
 Format: RS-232, full duplex
 Protocol: ASI Open Protocol
 Baud Rate: Selectable at 1200, 2400, 4800, 9600, or 19,200 baud.
 Access Address: 16 bit

RS-485 Communication (4)

Function : System Bus and 2 Local Busses
 Format: RS-485, 1/2 duplex
 Protocol: ASI Open Protocol
 Protection: 1/8 A Pico-fuse.
 Baud Rate: Selectable at 1200, 2400 4800, or 9600, or 19,200 baud.
 System Address: 16 bit

Indication

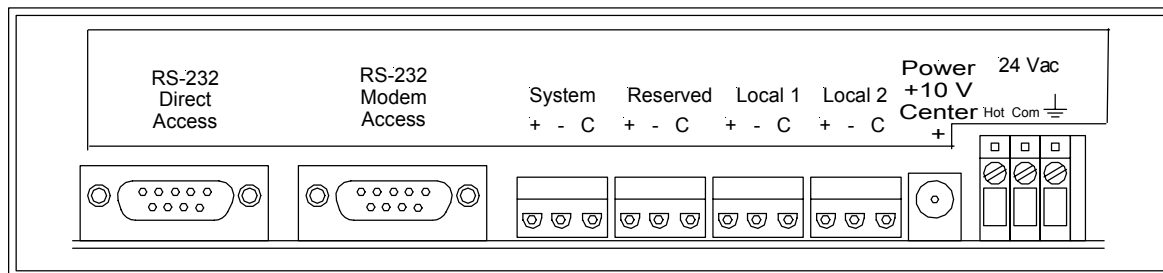
Power: Red LED
 Direct/Modem: 2-Rx Red and Tx Green LED
 Local/System: 2-Rx Red and Tx Green LED
 Status: 4 Amber LED

Terminations

Power: 24 Vac, 3 position screw terminal or +10 Vdc, Center Positive
 Optional Power Supply
 RS-232: Direct Access, DE-9 female (DCE) Modem Access, DB-9 male (DTE)
 RS-485: 4 each, 3 position screw terminals

Physical

Dimensions: Length 6.00" (152 mm) x Width 8.00" (2.03 mm) x Height 2.0" (51 mm)
 Mounting: Bracket, 0.75" x 9.0" (19 mm x 229 mm)
 2 Holes 8.5"(216 mm) on center
 Weight: 1.0 lb (0.45 kg)



How to Order:	Order Number
SINC/3-3000 with enclosure	SINC/3-3000
SINC/3 Power Supply 10 Vdc/120 Vac	SINC/3-AC

Software & Documentation:	Order Number
ASI Expert Configuration Software	ASI Expert
SINC/3-3000 Users' Manual	3000 Manual

Accessories:	Order Number
EtherLink Network Connection Device	EtherLink
ASI Compatible Modem	TELMODEM
Communication 1/8 A Pico Fuse - each	PFK-125