



ASI Controls

Portable System Interface (Mini-SINC)

SINC/1-1030 Features

- Communication access via 6 position curly cable with modular connectors, or screw terminals.
- ASI Communication at up to 19,200 baud
- RS-232 connection to laptop
- 24 hour battery operation, 4 hour recharge.
- Portable or desk-top operation.
- Transmit and Receive LEDs
- Push to Test Button

The SINC/1-1030, nicknamed Mini-SINC, is a portable system interface device that provides the communication connection between a personal or laptop computer and the ASI network. The device converts the computer's serial RS-232 communication to 1/2 duplex balanced line RS-485 communications compatible with the ASI network at up to 19,200 baud.

The RS-232 connection is accomplished via standard RS-232 cable with a DB-9 male fitting connected to the DB-9 female connector on the Mini-SINC.

The RS-485 field connection can be made one of three ways: 1) via 6 position (RJ-12) curly cable to an ASI wall sensor fitted with a communication port, 2) via 8 position (RJ-45) curly cable directly to the controller, or 3) via single twisted pair of wire from screw terminals on Mini-SINC to screw terminals on controller

The SINC/1-1030 Mini-SINC is built for the portable world. It is light and resistant to standard shock experienced in the field. A handy belt clip provides hands free operation.

Because the job can require long hours of operation, the SINC/1-1030 uses low power integrated circuits requiring minimal power consumption and long battery life. Typically, the unit can provide 24 hours of service on a full charge. Additionally, the Mini-SINC can be rapidly recharged in 4 hours using the included 5.5 Vdc / 120 Vac wall transformer.

Status LEDs have been added for system troubleshooting. When connected to battery charger, a red receive, Rx LED, and a green transmit, Tx, LED indicate communication. A red power LED indicates when the unit is turned on. An amber LED indicates when the unit is in local mode to energize the relay on a WT-0XX series wall sensor. To conserve battery life these LEDs do not light when the battery powers the Mini-SINC. A momentary push-button allows the operator to observe the LEDs operation battery powered.

The unit is attractively packaged and may be used as the workstation connection to an ASI System that has an ASIC/2, or SINC/3 for time synchronization; the internal battery can be disconnected in such applications. The SINC/1-1030 is an easy to use device right out of the box. No programming is required.

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SPECIFICATIONS

Control Power

Supply Voltage: 3.6 Vdc from internal
1.3 A-hr battery pack, or
5.5 Vdc from charger
using 120 Vac,
50/60 Hz adapter

Power: Battery pack,
3x1.2 Vdc, 1.3 A-hr

Charging: 4 hr rapid charge
from 5.5 Vdc at 400 mA
adapter, center positive.
Can run for 24 hours
on full charge.

Power On: On/Off switch.

Communications

RS-485, 1/2 duplex
RS-232C, full duplex
at up to 19,200 baud.

Indicators

Power On, Red LED
Local Mode, Amber LED
Receive Data, Rx, Red LED,
Transmit Data, Tx, Green LED

RS232 DB-9 female socket

- Pin 2- Transmitt
- Pin 3 - Receive
- Pin 4 - local/remote communications.
- Pin 5 - signal common

6-pin Curly Cable (RJ-12)

Plugs into WS-0XX or WT-XX wall sensors
pin 1 -Ground
pin 2 - Relay signal
pin 3 - RS-485 hi signal
pin 4 - RS-485 lo signal
pin 5 - Interlock jumper to common
pin 6 - Common

8-pin Curly Cable (RJ-12 to RJ-45)

Plugs into ASIC/1-8x55 controllers
pin 3 - RS-485 lo signal
pin 4 - RS-485 hi signal
pin 7 - Interlock jumper to common
pin 8 - Common

+5.5 Vdc, Battery adapter jack

Center Positive

How to Order:	Order Number
Portable System Interface	SINC/1-1030

Accessories:	Order Number
SINC/1-1030 Curly Cable (6-pin)	SCC-013
SINC/1-1030 Curly Cable (8-pin)	SCC-014
SINC/1-1030 Wall Transformer	SINC/1-AC-1030
SINC/1-1030 Replacement Battery	BATTERY-1030

