ASi Controls

Features

- USB powered
- Plugs into ASI standard jacks
- Up to 57,600 baud
- USB connection to laptop, PC
- Portable or desktop operation
- Transmit and Receive LEDs
- Find Button for Interlock
- Rugged enclosure

The microSINC is a portable system interface device providing serial USB connection between a computer and an ASI RS-485 network. The microSINC converts USB communications from a computer into 1/2 duplex balanced line RS-485 communications compatible with ASI networks at up to 57,600 baud.

The microSINC device is ready to use out of the box with a standard USB cable. Power is supplied by the USB connection, with a maximum draw of 100 mA at 5 Vdc.

The first time a microSINC is plugged into a computer the drivers are loaded and a COM port is assigned. This initial COM port selection will be remembered each time the device is plugged in.

There are 4 options for RS-485 field connection: a 6 position (RJ-12) curly cable to an ASI wall sensor fitted with a communication port; a supplied adapter to the 8 position (RJ-45) cable plugged directly into an ASIC/1 controller; a supplied adapter and cable to plug directly into a WS-061 Wall Sensor; or twisted pair wiring from the microSINC to an RS-485 bus or controller terminals.

A red receive (Rx) and green transmit (Tx) LED display system communication status.

The "Find" switch establishes a controller interlock, shorting Input-3 at the push of a button. An LED lights up to show the interlock is in place.

The microSINC uses a standard telephone 6-6 RJ-12 cable that is not compatible with the legacy SINC/1-1030 curly cord.

Specifications

Control Power
Supply Voltage: 5Vdc@100mA

Communications
RS-485
Speed: ½ duplex; up to 57,600 baud
Receive Data: Red Rx LED
Transmit Data: Green Tx LED
USB
Driver: standard FTDI serial driver

6-pin Curly Cable (RJ-12)
Plugs into WS-0XX or WT-0XX wall sensors
pin 3 - RS-485 hi signal
pin 4 - RS-485 lo signal
pin 5 - Interlock jumper to common
pin 6 - Common

ASIC/1 Adapter and Cable
Plugs directly into ASIC/1 controller
pin 3 - RS-485 lo signal
pin 4 - RS-485 hi signal
pin 7 - Interlock jumper to common
pin 8 - Common

WS-061 Adapter and Cable
Plugs directly into WS-061 Wall Sensor

Characteristics
Weight: 0.2 lb. (0.1 kg)
Screw Terminals: 0.10”
Dimensions: 2.5" x 1.2” x 1.6" (WxLxH)
                   64mm x 30mm x 40mm

Environmental
Operating: 0 to 50 oC (32 to 122 oF)
                  10 to 95% rh non-condensing
Storage: -20 to 80 oC (-5 to +180 oF)
                  5 to 95% rh non-condensing

How to Order:	Order Number
USB System Interface	MicroSINC
• *USB Device Host Cable (6 ft)*	
• *RJ-12 6-6 Curly Cable (10 ft)*	
• *RJ12 to RJ-45 Adapter*	
• *Cat 5 8-8 Cable (1 ft)*	
• *WS-061 Adapter and Cable*	