

SI-S3 Stat Interface Board

Computrols Stat Interface Board provides the power of upgrading to an LCD-based digital wall temperature or temperature/humidity sensor for remote monitoring and control.

Product Highlights

Digital Interfacing

Utilizes a two-wire interface via an S-Link communication protocol.

Compatibility

Used to interface the family of Schneider Electric Micronet Sensors (MN-S1, MN-S2, MN-S3, MN-S4).

Status Indicators

Bright on-board LEDs assist in troubleshooting.

Addressable

Dip switch allows unique node assignment.

Customizable

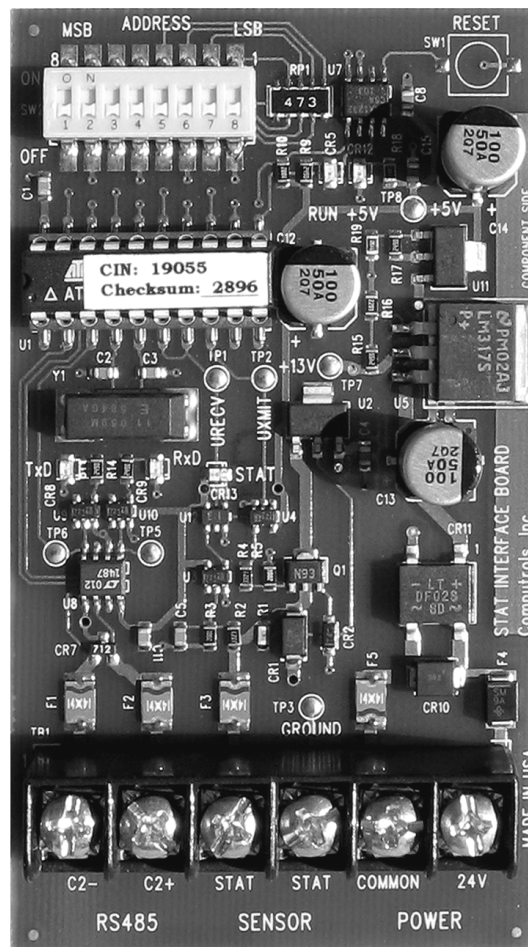
User-defined operating modes.

Large Screw Terminals

No special screwdrivers—simple secure terminations.

Lifetime Warranty

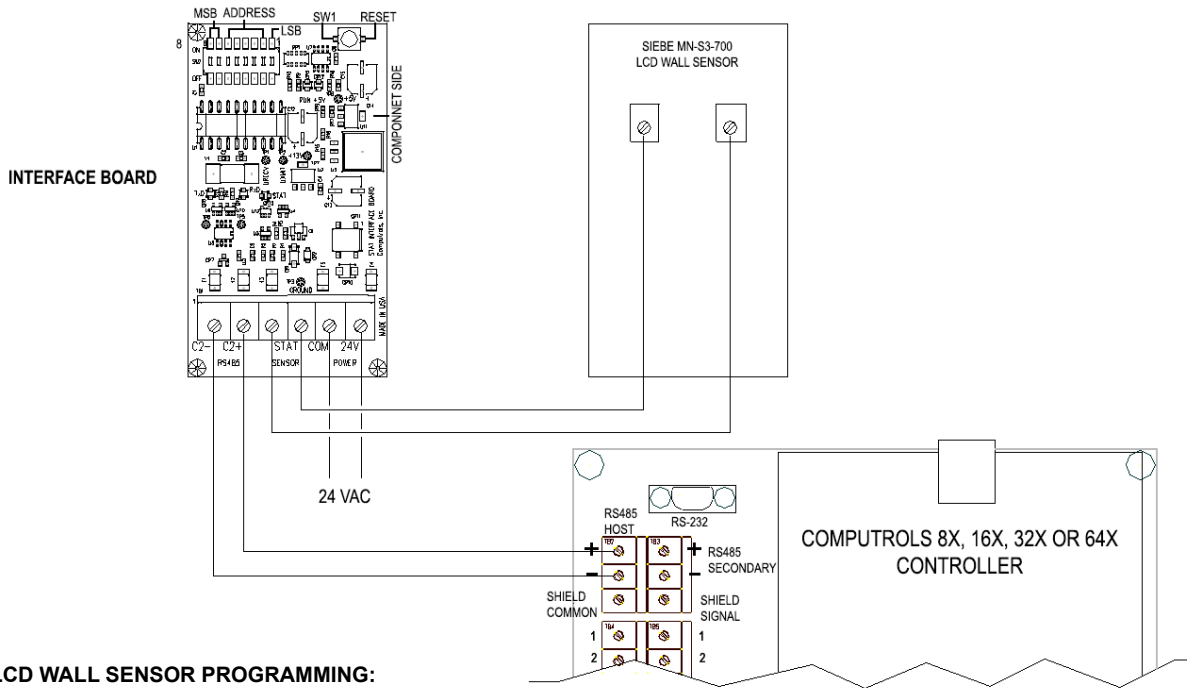
Our quality speaks for itself.



Product Specifications

Software Compatibility	Works with all versions of CBAS: Professional, Commercial, and Utility.
Power Requirements	2VA @ 24VAC 50/60 Hz Class 2 transformer (or 24VDC @ 50mA)
Communication Port	One RS485 interface port 9600 Baud
Environmental	32-125 °F 10-90%RH non-condensing
Dimensions	2.25" W X 4.0" H
Mounting	Snap track (supplied)
Sensor Location	200 feet maximum from STAT-IFC
Shipping Weight	8oz
Ordering Information	Specify SI-S3

Siebe LCD Wall Sensor Interface Board Installation & Programming



SIEBE LCD WALL SENSOR PROGRAMMING:

1. While in CBAS 200x Editor Mode, go to **Hardware View**, click the **TCP/IP Controllers** channel, click the **Controllers** button, and click the controller that is to be used as the channel to the Siebe LCD Wall Sensor. Click **Channels**, and click **Add a Channel** next to **RS-485 Host**. Enter a name for the channel and click **Select Configuration**. Choose **Opto-22** on **Controller** and click **Add Channel Now**. This channel will not show up in the channel list in **Hardware View**. You will only be able to access it through **Channels** on the controller.
2. To program the S3 LCD Wall Sensor on the Channel you created, click the channel then **Controllers**. Click **Add a Controller** on the line with the address of the S3 that you want to add. Enter a name for the controller and hit the Enter key. Choose S3 from the list. Click **Add Controller Now**. Any address will work. Remember the address chosen. Setting the DIP switch address on the Interface Board will be covered later. Click **finish** and you can now add points to your Siebe LCD Wall Sensor.
3. To add points to the S3 LCD Wall Sensor, click the S3 controller you just added then click **Points**. Click **Add a Point** next to the point you want to program and give it a name that includes the location of the sensor. Choose the one Configuration that is available. Hit enter or click **Add Point Now**.

The functions of the points are predetermined and most are obvious. Here are descriptions of some of the less obvious ones.

Mode: There are 4 modes which determine what is seen on the display of the Siebe LCD Wall Sensor.

Temp: Siebe LCD Wall Sensor display shows the Space Temp

SPTemp: Display shows Setpoint when in OCCupied status, shows Space Temp when in UNOCCupied status

Setpnt: Shows Setpoint all the time

Altern: Display shows the value of Alternate Display Number point, which can be set to anything within range.

Setting the address on the Siebe LCD Wall Sensor Interface Board.

There are dipswitches numbered 1 thru 8 located at the upper right side of the Interface Board which relate to the values of a binary Byte.

Flip enough toggle switches to equal the number of the address you selected in step 2 above. The corresponding values are as follows:

1 = 128 2 = 64 3 = 32 4 = 16 5 = 8 6 = 4 7 = 2 8 = 1

For example, a controller with address 10 would have switch 5 and 7 in the ON position. ($8+2 = 10$)

Address 97 would have switches 2, 3, and 8 in the ON position. $64+32+1 = 97$

For additional information, contact Computrols Technical Support at **504-529-1413**.



ELECTRICAL SHOCK HAZARD

To avoid the possibility of electrical shock, disconnect all power wiring and/or power supplies to this device. Failure to comply with this notice may result in serious bodily injury and may damage this product.

NOTICE!

All wiring connections should be in accordance with NFPA 70, The National Electric Code.

IMPORTANT!

It is the responsibility of the installer to provide the necessary devices to protect from electrical or mechanical failure.



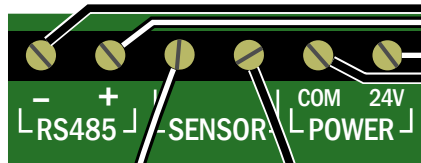
MN-S3 to DDC Controller

These instructions pertain to models MN-S3-700, MN-S3-HT, or MN-S4 specifically. Other models do not comply.

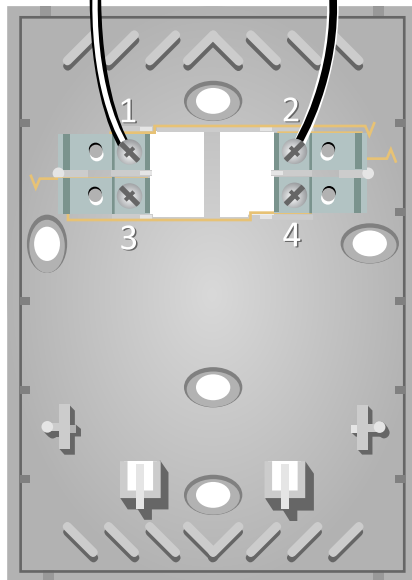
Up to 16 SI-S3 Stat Interface boards and MN-S3 stats can be daisy chained when this connection method is used.



SI-S3 Stat Interface



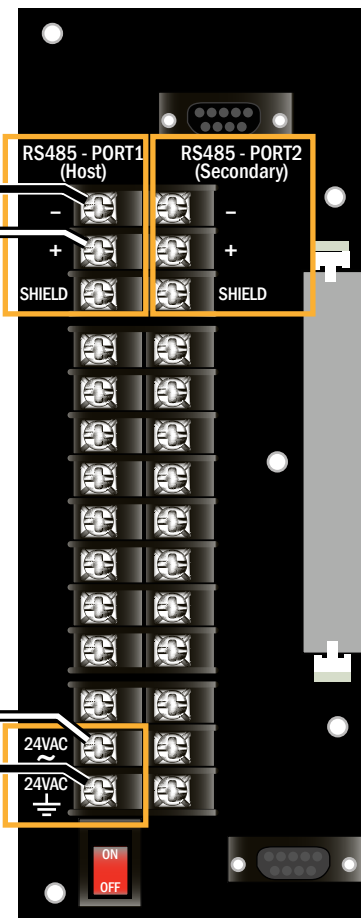
No Polarity
18-2 Shielded
(No more than 200 feet)



MN-S3 Sensor

18-2 Shielded Cable
(Note: shield wire not used)

8LX DDC Controller



More information is available at <http://www.computrols.com>

RS-485 Communication
Wire adhering to the TIA/EIA-485-A specifications is AWG stranded, twisted pair with a shield

Binary Output 24 VDC Output 50 mA Maximum Current	Used for pilot rel general two-posi
Binary Input Normally Open or Normally Closed dry contact	Used for differen switches, auxiliar
Analog Output 0-10 VDC Output (Software scalable)	Used to control c valves, VFDs, act
Analog In Temperature 10K Type III Thermistor	Used to measure duct, space, etc.
Resistance 1K, 10K, 20K, or 100K variable resistance	Used to measure potentiometers, I
Voltage 0-10 VDC (software scalable)	Used to measure from transducers
Current 4-20 mA (software scalable)	Used to measure *249Ω 1% resistor † *499Ω 1% resistor †

Power
A 24 VAC Class II transformer is required for power. The size is 75 VA plus the requirements of all connected de
WARNING: Use 24VDC for transducers only. Use 24

Wire Check
Wire Check is an LX feature that helps you detect compatible user interface, check the hardware point indicates a mismatch between what is programmed

