

**SIMPLWINDOWS NAME:** CSI HVAC Send/Receive module

**CATEGORY:** HVAC

**VERSION:** 1.0

**SUMMARY:** Sends and receives all commands to/from the CSI system

**GENERAL NOTES:** This module is used to communicate with the CSI system. Only one copy of this module should be needed in a program. It provides the interface between the CSIASETA, CSIAPOLA, CSIDSETA, CSIDPOLA modules, and the CSI system. The inputs on this module should be connected to the corresponding outputs on the other CSI modules.

Keeping all the communications logic in this module and having separate modules for each point greatly reduces the amount of logic needed to control a small or large CSI installation

**CRESTRON HARDWARE REQUIRED:** ST-COM, CNXCOM

**SETUP OF CRESTRON HARDWARE:** Tested at Crestron with the following settings:

Baud Rate - 9600  
 Parity - None  
 Data Bits - 8  
 Stop Bits - 1

**VENDOR FIRMWARE:** PGM 7798 REV 1.00

**VENDOR SETUP:** A CSI tap is required to provide the RS232 connection to the Crestron system. Check with CSI to verify that the tap has an asynchronous RS232 port. Also obtain the cable from CSI which is used to connect the tap to a PC.

Dip switches on the tap should be set to match the baud rate of the Crestron system (9600)

The unit tested at Crestron was a CSI model 7798

**CABLE NUMBER:** CNSP-121

**CONTROL:**

<b>TXRX-READ</b>	D	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-STORE</b>	D	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-VALUE-OUT</b>	A	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-VALUE-IN</b>	A	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-LINK</b>	A	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-LAN-TAP</b>	A	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-DCU</b>	A	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-POINT</b>	A	Signal to be routed from the corresponding output of any other CSI modules

Signal to be routed from the corresponding

<b>TXRX-OFFSET</b>	A	output of any other CSI modules
<b>TXRX-POINT-TYPE</b>	A	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-NEG-OUT</b>	D	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-NEG-IN</b>	D	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-POS-IN</b>	D	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-DIG-ON-IN</b>	D	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-DIG-OFF-IN</b>	D	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-DIG-ON-OUT</b>	D	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-DIG-OFF-OUT</b>	D	Signal to be routed from the corresponding output of any other CSI modules
<b>TXRX-DIG-STORE</b>	D	Signal to be routed from the corresponding output of any other CSI modules
<b>CSI-RX\$</b>	S	Serial data string to be routed from a CNXCOM port

## FEEDBACK:

<b>CSI-TX\$</b>	S	Serial data string to be routed to a CNXCOM port
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<b>OPS USED FOR TESTING:</b>	3.18.06
<b>COMPILER USED FOR TESTING:</b>	3.18.04
<b>SAMPLE PROGRAM:</b>	CSITSTA
<b>REVISION HISTORY:</b>	None