CRESTRON

Certified Module

Partner: GE Interlogix
Model: NX-8E
Device Type: Security

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GENERAL INFORMATION

SIMPLWINDOWS NAME:	GE Interlogix Networx NX-8E Processor Module v4.1
CATEGORY:	Security
VERSION:	4.1
SUMMARY:	This processes all communications between the Crestron system and the NX-8E.
GENERAL NOTES:	This module takes commands from all of the NX-8E control modules and sends the commands to the NX-8E. It also processes the data from the NX-8E, parses it and sends the information to the other NX-8E modules.
CRESTRON HARDWARE REQUIRED:	CNXCOM, CNX-COM2, ST-COM, C2COMI, C2COM2/3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	NX-8E AE71/6/29/05

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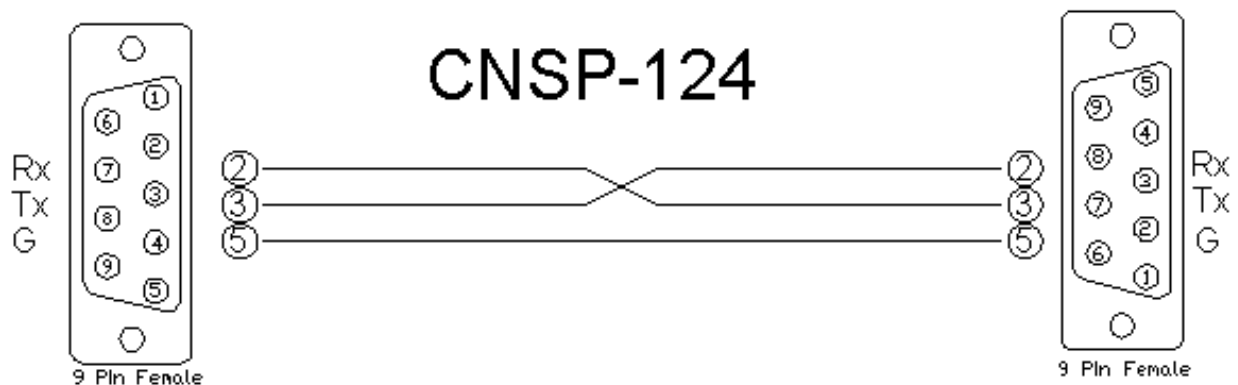**Device Type: Security**

VENDOR SETUP:

The NX-8E has the NX-584 built onto the main board. You must enter programming mode and enable the NX-584 by setting Location 207 to "1". Location 23 enables and disables function globally. For instance, if Location 23 Segment 1 Bit 1 is enabled, the STAY function will be enabled on the NX-8E keypads. The STAY function will be enabled on the Crestron system if Location 23 Segment 1 Bit 1 and Location 211 Segment 4 Bit 7 are enabled. If Location 23 Segment 1 Bit 1 is disabled, the STAY function will be disabled for both the NX-8E keypads and the Crestron system, no matter what Location 211 Segment 4 Bit 7 is set to.

The following locations need to be set as listed below.

Location	Setting
23	Segment 1 bits 1, 5, 6 & 7 enabled. All others disabled.
23	Segment 2 bit 4 enabled. All others disabled.
23	Segments 3, 4 & 5 all bits disabled.
207	"1" for NX-584 Enabled.
208	"2" for 9600 Baud.
209	Bit 1 set to "1" for LED On ASCII.
210	Segment 1 All disabled.
210	Segment 2 All disabled.
211	Segment 1 bits 4, 6 & 7 enabled. All others disabled.
211	Segment 2 bits 1 & 3 enabled. All others disabled.
211	Segment 3 bits 3, 5 & 7 enabled. All others disabled.
211	Segment 4 bits 5, 7 & 8 enabled. All others disabled.

CABLE DIAGRAM:

CNSP-124

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CONTROL:

Poll_Enable	D	Hold high to enable polling. There will be no feedback without polling.
From_Modules$	S	Serial signal to be routed from all other NX-8E modules.
From_Device$	S	Serial signal to be routed from a 2-way serial com port.

PARAMETER:

Number of Zones	P	This is the number of the last zone used in the system. This will be used to determine which status request commands to send. If you are using 20 zones but the actual zone numbers being used are 1 through 10 and 31 through 40, this should be set to 40.

FEEDBACK:

To_Modules$	S	Serial signal to be routed to all other NX-8E modules.
To_Device$	S	Serial signal to be routed to a 2-way serial com port.
Zone_*_Status	A	Analog signal to be routed to the GE Interlogix Networx Zone Module v4.1.

TESTING:

OPS USED FOR TESTING:	PRO2: 3.137 CNMSX-Pro: 5.14.02x
SIMPL WINDOWS USED FOR TESTING:	2.10.32
SAMPLE PROGRAM:	GE Interlogix Networx v4.1 Demo
REVISION HISTORY:	2.0 – 7/27/2005 – Changed several modules. The processor module has been changed so that it does not poll the NX-8E. This allows the commands to be sent to the NX-8E more promptly. The Partition and Zone modules have been changed to provide more feedback. All SIMPL+ modules have been changed to use volatile memory instead of non-volatile memory. 3.0 – 9/22/2005 – Changed several modules. The processor module has been changed so that it does poll. This allows us to control all communications between the Crestron and the NX-8E. The zone bypass modules and the zone name modules have been changed to allow the zone number to be entered as a decimal. This will allow the module to be copied and pasted using the auto increment function. 4.0 – 5/17/2006 – Fixed the GE Interlogix Networx Processor Module v4.0 module. It had a user function that had the same name as a new built in function in the Simpl+ file. 4.1 – 1/27/2009 – Fixed an issue with the GE Interlogix Networx Processor Module v4.1 that caused errors in the processor module. Also fixed a labeling issue with the cable diagram in the help file.