

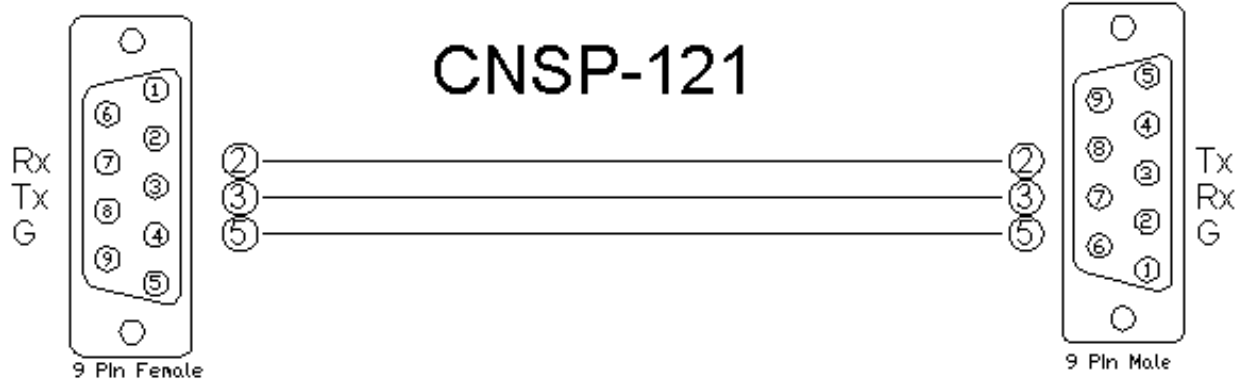
Partner: ELK
Model: M1 & M1G
Device Type: Security



GENERAL INFORMATION

SIMPLWINDOWS NAME:	ELK M1 Area Control
CATEGORY:	Security
VERSION:	1.0
SUMMARY:	This module provides the Arm/Disarm controls and true feedback for one area.
GENERAL NOTES:	This module provides the Arm/Disarm control for one area on the ELK M1 or M1G security system. It also provides true feedback for the area. It MUST be used in conjunction with the ELK Area Feedback Processor module. All commands on this module require a passcode. The passcode should come from the ELK Passcode module.
CRESTRON HARDWARE REQUIRED:	CNXCOM-6, CNX-COM2, ST-COM, C21-COM, C2COM-2, C2COM-3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 115200 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	4.2.8
VENDOR SETUP:	You need to make sure to check the following items under Globals on the G29-G42 tab in the ELKRP software. Transmit Keypad Changes, Transmit Zone Changes & Transmit Output Changes. The Transmit Keypad Changes will provide automatic feedback for changes in Area and Keypad status. The Transmit Zone Changes will provide automatic feedback for changes in Zone status. The Transmit Output Changes will provide automatic feedback for changes in the Output status.
CABLE DIAGRAM:	CNSP-121

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CONTROL:

Passcode\$	S	Serial signal with the user passcode. This should come from the ELK M1 Passcode module.
Arm_*	D	Pulse to arm the system to the desired mode. THE PASSCODE MUST BE ENTERED FOR A COMMAND TO BE SENT. SOME MODES MAY NOT BE AVAILABLE. THE ELK MAY BE PROGRAMMED TO PREVENT ARMING TO CERTAIN MODES.
Disarm	D	Pulse to disarm the system. This will also reset alarms and silence the alarm horn.
Arm_*_Button	D	Pulse to activate the same function as the Exit and Stay buttons on the ELK keypad. THE PASSCODE MUST BE ENTERED FOR A COMMAND TO BE SENT.
Arm_*_Status_In	A	Analog values to come from the ELK M1 Area Feedback Processor module. They should be routed from the output of the same name.

PARAMETER:

Area	P	Area number to be controlled. Valid values are 1 to 8.
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**FEEDBACK:**

Arm_*_Fb	D	High to indicate the current arm status of the area.
Disarm_Fb	D	High to indicate that the area is currently disarmed.
Area_Not_Ready_To_Arm	D	High to indicate that the area is not ready to be armed.
Area_Ready_To_Arm	D	High to indicate that the area is ready to be armed.
Area_Ready_But_Force_Arm_Zone_Faulted	D	High to indicate that the area is ready to be armed but a zone that can be force armed is faulted.
Armed	D	High to indicate that the area is armed.
Force_Armed	D	High to indicate that the area was force armed.
Armed_with_Bypass	D	High to indicate that the area is armed with at least one zone bypassed.
No_Area_Alarm_Active	D	High to indicate that there are no alarms for the area.
Area_Entrance_Delay_Active	D	High to indicate that the entrance delay is active.
Area_Alarm_Abort_Delay_Active	D	High to indicate that the area alarm abort delay is active.
Area_*_Alarm_Active	D	High to indicate that there is an alarm for the area.
To_Device\$	S	Serial signal to be routed to a 2-way serial com port.

TESTING:

OPS USED FOR TESTING:	PRO2: 3.137 CNMSX-Pro: 5.14.02-x
COMPILER USED FOR TESTING:	2.05.22
SAMPLE PROGRAM:	ELK M1 Demo
REVISION HISTORY:	V. 1.0