

SIMPLWINDOWS NAME: None

CATEGORY: Security

VERSION: None

SUMMARY: This module is used to control a Europlex 3GS Security System. A CNXCOM port or ST-COM port must be used since two way RS232 communication is necessary.

GENERAL NOTES: None

CRESTRON HARDWARE REQUIRED: CNXCOM
ST-COM

SETUP OF CRESTRON HARDWARE: The baud rate, parity, data bits and stop bits can be set on the 3GS. However, the following settings were tested:

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

VENDOR FIRMWARE: None

VENDOR SETUP: None

CABLE DIAGRAM: The cable connecting the CNXCOM port to the 3GS should be as follows:

CNXCOM/ST-COM	to	Europlex 3GS
9 pin female D	to	9 pin female D
2	to	3
3	to	2
5	to	5
		7--8 (jumper)

DEVICE SETUP: The Europlex 3GS has three serial ports, located on the 3GS controller board. Port 1 should be used. This port has a 9 pin D connector. The baud rate, parity, data bits and stop bits can be set up using the 3GS keypad. The system was tested at Crestron at 9600 baud, No parity, 8 data bits, 1 stop bit. This module will emulate a 3GS keypad with keypad address 1. Therefore, one of the 3GS keypads in the system must be set to address 1.

CONTROL:

AWAY-ARM Arm the system in away mode

DISARM Disarm the system

FORCE-EVE-ARM Arm the system in evening mode

FORCE-NIGHT-ARM Arm the system in night mode

KEY-0 Emulate 3GS keypad button 0

KEY-1 Emulate 3GS keypad button 1

KEY-2 Emulate 3GS keypad button 2

KEY-3 Emulate 3GS keypad button 3

KEY-4 Emulate 3GS keypad button 4

KEY-5 Emulate 3GS keypad button 5

KEY-6 Emulate 3GS keypad button 6

KEY-7 Emulate 3GS keypad button 7

KEY-8 Emulate 3GS keypad button 8

KEY-9	Emulate 3GS keypad button 9
KEY-*	Emulate 3GS keypad button *
KEY-#	Emulate 3GS keypad button #
KEY-DISARM	Emulate 3GS keypad button disarm/unset
KEY-EVENING	Emulate 3GS keypad button evening/part
KEY-NIGHT	Emulate 3GS keypad button night/half
KEY-AWAY	Emulate 3GS keypad button away/full
KEY-HELP	Emulate 3GS keypad button help
KEY-YES	Emulate 3GS keypad button Yes
KEY-NO	Emulate 3GS keypad button No
KEY-SHIFT	Emulate 3GS keypad button shift
SG3-RX\$	Serial data string to be routed from CNXCOM card

FEEDBACK:

SG3-TX\$	Serial data string to be routed to the CNXCOM card
TEXT-LINE-1\$	Serial data string to route to a SDPM for the first line of the display
TEXT-LINE-2\$	Serial data string to route to a SDPM for the second line of the display
GREEN-LED	Digital signal to emulate the Green LED on the 3GS keypad
YELLOW-LED	Digital signal to emulate the yellow LED on the 3GS keypad

OPS USED FOR TESTING:	3.16.08
COMPILER USED FOR TESTING:	3.18.04
SAMPLE PROGRAM:	3GS-TEST.CN2, 3GS-TEST.PRJ
REVISION HISTORY:	None