

SIMPLWINDOWS NAME: APEX Destiny 6100 Arm/Disarm Control and Status

CATEGORY: Security

VERSION: 1.0

SUMMARY: Controls Arm/Disarm control for all user ID's and user codes

GENERAL NOTES: This module will work with an APEX Destiny 6100 security system. It will allow the activation of arm-away, arm-home, and disarm functions. Before entering one of these functions, the user must first enter their user number and their user code as specified for the APEX security system. If the user does not want to be bothered with this, an INIT symbol can be connected to the USER-CODE and/or USER-NUMBER outputs of the module. The parameter inside the INIT can force the user number and user code to a specific value without forcing the user to enter it each time.

This module also provides the status of the eight security partitions that can be defined in the system. The APEX will be polled for the status immediately after a command is sent to it. If it is desired to poll the APEX at other times, the ARMING-STATUS-REQUEST input can be used.

CRESTRON HARDWARE REQUIRED: CNXCOM, ST-COM

SETUP OF CRESTRON HARDWARE: Tested and verified at the following settings:

Baud Rate - 1200
Parity - None
Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: U32 = Rev 1.07, U9 = 8.06

VENDOR SETUP: The APEX system must have the RS232 Interface card installed. The card must then be enabled. This is done using an APEX keypad and entering the following sequences:

9173 - to enter program mode
0155 - location to set up
009 - to enable the RS232 adapter and 2-way communications

Also, on the RS232 interface card, the jumper should be in the DCE position.

The APEX RJ-45 - DB9 adapter must be wired as follows:

Green wire - pin 2
Red wire - pin 3
Yellow wire - pin 5

The remaining wires should not be needed

CABLE NUMBER: CNSP-122

CONTROL:

USER-CODE-0-9 D Keypad used for entering the user code. Can be bypassed by attaching an INIT to the

		USER-CODE output
USER-CODE-CLEAR	D	Clears the current user code
USER-NUMBER-0-9	D	Keypad used for entering the user number. Can be bypassed by attaching an INIT to the USER-NUMBER output
USER-NUMBER-CLR	D	Clears the current user number
ARM-AWAY	D	Activate arm away function. Also polls the APEX for partition arming status
ARM-HOME	D	Activate arm home function. Also polls the APEX for partition arming status
DISARM	D	Activate disarm function. Also polls the APEX for partition arming status
ARMING-STATUS	D	Used to request the status of the partitions at other times
APEX-RX\$	S	Serial data string to be routed from a CNXCOM or ST-COM port

FEEDBACK:

APEX-TX\$	S	Serial data string to be routed to a CNXCOM or ST-COM port
USER-CODE	A	Analog signal containing the current user code. Should be routed to a digital panel meter on a touchpanel
USER-NUMBER	A	Analog signal containing the current user number. Should be routed to a digital panel meter on a touchpanel
PARTITION-X-AWAY	D	Digital signals indicating which of the 8 partitions are currently armed away
PARTITION-X-HOME	D	Digital signals indicating which of the 8 partitions are currently armed home
PARTITION-X-DARM	D	Digital signals indicating which of the 8 partitions are currently disarmed
APEX-TX\$	S	Serial data string to be routed to a CNXCOM or ST-COM port

OPS USED FOR TESTING: 3.18.06, 4.00.46 (ST-CP)
COMPILER USED FOR TESTING: SimplWindows Version 1.21.04
SAMPLE PROGRAM: APEXTSTD
REVISION HISTORY: None