

SIMPLWINDOWS NAME: Ademco Vista-250B Control Channel Control/Status

CATEGORY: Security

VERSION: 1.0

SUMMARY: Allow Control/Polling of all 96 Control Channels

GENERAL NOTES: This module will work with an Ademco Vista-250B security system. It allows any of the 96 control channels available to be turned on or off. It also allows the status of these channels to be polled.

In order to control a channel, you can either enter the channel using the keypad inputs to the module, or you could use an INIT symbol outside of the module and attach it to the Control_Channel output of the module. Inside the INIT you would specify the channel to be controlled. After selecting the channel, the Channel_On and Channel_Off inputs will turn the selected channel on or off.

When requested, (using Control_Channel_Status) the module will poll the Ademco for the current status of all the control channels. If the channel is off, the corresponding OFF output will be high. If the channel is an the ON or any DIM state, the corresponding ON input will be high.

CRESTRON HARDWARE REQUIRED: CNXCOM
ST-COM
CNXCOM-2

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

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

VENDOR FIRMWARE: WAVIS250BP-11 Rev 1, WAVIS250-81PL

VENDOR SETUP: The Ademco system must have the 4100SM RS232 Interface card or the VA8201 Alpha Pager Module(APM) installed. The card/module must then be enabled. When using the VA-8201 APM you must set Field 1*69 to 0 (Parallel Printer).

NOTE: The only way to connect a printer to the Ademco and still allow Crestron control is to use the VA-8201 APM and a parallel printer.

CABLE NUMBER: CNSP-125

CONTROL:

CONTROL_CHANNEL_*	D	Keypad used to enter the control channel to change
CONTROL_CHANNEL_CLEAR	D	Clear the current control channel selected
CONTROL_CHANNEL_ON	D	Turn the selected control channel on
CONTROL_CHANNEL_OFF	D	Turn the selected control channel off
CONTROL_CHANNEL_STATUS	D	Request the status of all 56 control channels
FROM_DEVICE\$	S	Serial data string to be routed to a 2 way serial comport

FEEDBACK:

CONTROL_CHANNEL	A	Analog signal indicating the current control channel selected. Can also be driven by an INIT symbol to immediately select a specific channel
CONT_CHAN_X_ON	D	Indicates which of the 96 control channels are on
CONT_CHAN_X_OFF	D	Indicates which of the 96 control channels are off
TO_DEVICES\$	S	Serial data signal to be routed to a 2 way serial comport

X-GEN OPS USED FOR TESTING:	5.12.26x
2 SERIES OPS USED FOR TESTING:	1.014
COMPILER USED FOR TESTING:	SimplWindows Version 2.01.06
X-GEN SAMPLE PROGRAM:	Ademco Vista-250B Demo
2 SERIES SAMPLE PROGRAM:	Ademco Vista-250B 2 Series Demo
REVISION HISTORY:	None