Partner: DMP
Model: XR500
Device Type: Security System

GENERAL INFORMATION

SIMPLWINDOWS NAME:	DMP XR500 Home-Sleep-Away Control v1.4.0
CATEGORY:	Security
VERSION:	1.4.0
SUMMARY:	This module provides control and feedback for home-sleep-away zones on the DMP XR500.
GENERAL NOTES:	This module provides control for home-sleep-away zones on the DMP XR500. It also provides true feedback for that area. The DMP can be setup so that area 1 is for home (perimeter) zones, area 2 is sleep zones, and area 3 is for away zones. This module allows arming in any one of those modes. It also provides true feedback for those modes. Typically, this module would be used without any of the DMP XR500 Area Control modules. There are two pieces of information that the DMP installer must provide. The account number and the remote key. The module will automatically poll for the area and zone status when the area's status changes from armed_home, armed_sleep, or armed_away to disarmed.
CRESTRON HARDWARE REQUIRED:	C2ENET-1/2
SETUP OF CRESTRON HARDWARE:	TCP/IP Client Port: 2001
VENDOR FIRMWARE:	XR500N/203 05/01/09
VENDOR SETUP:	The XR500 tested at Crestron was set up using DMP's Remote Link software. Remote Options window: 1) Enter a remote key. 2) Check the Disarm Remotely box. 3) Set Service Receiver to Yes. 4) Set Alarm Receiver to Yes. PC Log Reports window: 1) Set the Comm Type to Net 2) Check the boxes for Arm/Disarm Reports, Zone Reports, Door Access Reports and Real-Time Status. 3) Enter the IP Address of the Crestron processor. 4) Enter the port number 2001. Zone Information window: 1) You must check the Real-Time Status box for each zone you want reported to the Crestron processor. Area Information window: 1) Click on the More button. This will bring up the System Area Information

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	window. Check the Open/Close Reports box. Communication Paths window: 1) Click New. 2) Set Comm Type to Network 3) Set Path Type to Primary 4) Set Supervision Test Report to No 5) Set Checkin Use Checkin to No 6) Enter the IP Address of the Crestron processor 7) Enter the port number 2001. 8) Click Apply or OK.
CABLE DIAGRAM:	Ethernet

CONTROL:

Arm_<Home/Sleep/Away>	D	Pulse to arm the system to the desired mode.
Disarm_All	D	Pulse to disarm the system.
Bypass_Bad_Zones	D	Pulse to have the XR500 bypass any bad zones when the area arms. This is included as part of the arm command.
Force_Bad_Zones	D	Pulse to have the XR500 force any bad zones when the area arms. This is included as part of the arm command. Forcing a zone means the zone is temporarily bypassed. Once the zone restores, it will be unbypassed.
Clear_Bypass_And_Force	D	Pulse to clear the bypass and force bad zones flags.
getInitialStatus	D	Pulse to get the initial status for the area and all zones assigned to the area. This should not be used for regular polling. This is intended to get the initial status of the area and zones when the Crestron program starts up.
From_Processor_module	S	Serial signal to be routed from the To_Area_Modules output from the DMP XR500 Control Processor v1.4.0 module.

FEEDBACK:

Area_Is_<Armed_Home/ Armed_Sleep/Armed_Away/Disarmed>	D	High to indicate the current arm state of the area.
Area_<Arming/Disarming>_Please_Wait	D	High to indicate that the system is arming or disarming. Can be used display a subpage.
Bad_Zones_Will_Be_<Bypassed/Forced>	D	High to indicate that the XR500 will be told to bypass or force bad zones when the arm command is sent.
User_Name_Text	S	Serial signal indicating the user name that performed the last action on this area.
Area_Name_Text	S	Serial signal indicating the area name.

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To_Processor_Module	S	Serial signal to be routed to the From_Modules input on the DMP XR500 Control Processor v1.4.0 module.

TESTING:

OPS USED FOR TESTING:	1.501.0013
SIMPL WINDOWS USED FOR TESTING:	4.03.24
CRESTRON DB USED FOR TESTING:	57.00.003.00
DEVICE DB USED FOR TESTING:	76.00.002.00
SAMPLE PROGRAM:	DMP XR500 v1.4.0 Demo
REVISION HISTORY:	V. 1.0 – Original release. V. 1.1 – Changed the processor module to connect to the XR500 only when there are commands to send. It now uses a TCP/IP Server to allow the XR500 to send automatic updates. V. 1.3 – Added outputs to provide more efficient processing of the zone feedback. Also fixed an issue with us sending the acknowledge reply at the incorrect time. V. 1.3.3 – Change the Simpl+ to better handle processing the data coming in from the TCP/IP server and TCP/IP client. Also added two outputs to the DMP XR500 Area Control module to indicate that the system is in the process of arming or disarming. V1.4.0 – Removed the parameter field for the flash time. The Area_Is_Armed and Area_Is_Disarmed outputs will not flash while the system is arming or disarming. Added code to automatically poll for the status for the area and all zone assigned to the area when the area status changes from armed to disarmed. Added new input to allow for requesting the initial status for the area and all zones assigned to the area. Added an input to allow clearing the bypass and force bad zones.

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