

Partner: Cooper Security Model: M2000 Device Type: Security System



I²P Certified Module

SIMPLWINDOWS NAME: Cooper Security M2000 v1.1 CATEGORY: Security System VERSION: v1.1 SUMMARY: Crestron is connected to a Cooper Security M2000 Security Panel through a R5232 connection. The software module allows connecting to the panel and emulates the keypad. JUMMARY: Crestron is connected to a Cooper Security M2000 Security Panel through a R5232 connection. The password needs to be an 8 character long decimal value, ex: "12340000". The module emulates the keypad. The alarm panel needs to be a Menvier. The module obso to be an 8 character long decimal value, ex: "12340000". GENERAL NOTES: When a connection is made, a heartbeat is generated. Depending on the needs of the system, it is possible to choose the interval between 2 heartbeats. Possibilities: 0,255 0,55 1s 2,55 5s. Default 5s. Default 1s. IMPORTANT : Depending on the values above, the processor is intensively triggered. It is important that the RealIdle of the processor does not go beneath 80%. IMPORTANT : To check the RealIdle, open Toolbox and connect to the processor. Then select Tools. Text Console. When the console opens type: top. When the RealIdle is beneath 80%, the processor could generate errors and the program may not function correct. CRESTRON HARDWARE R5232 Baud: 384000 Parity: N Data Bits: 8 Stop Bits: 1 VENDOR FIRMWARE: M2000 Display: 2.00 Feb 15 2007 Vendor FIRMWARE: M2000 Display: 2.00 Feb 15 2007	GENERAL INFORMATION:			
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VENDOR SETUP: M2000 Security system connected with RS232 to Pro2 processor.	VENDOR FIRMWARE:			
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Integrated Partner

CABLE DIAGRAM:

Standard Crossed RS232 serial cable.

CONTROL:

CONTROL		
Key_xxxx	D	Pulse to simulate the corresponding key press.
Start_Connection	D	High to start the connection with the security panel.
EnableHB	D	When ConnectedToPanel and EnableHB is made high, a heartbeat is generated with the security panel.
Stop_connection	D	Pulse to end the connection.
Start_Keypad	D	Pulse to start the virtual Keypad.
Stop_Keypad	D	Pulse to stop the virtual Keypad.
From_Alarm	S	Needs to be connected with the RX output from the COM Port.

FEEDBACK:		
Key_xxxx_FB	D	High to indicate that the corresponding virtual key is pressed.
Connected_To_Panel	D	High to indicate that the connection with the panel is made.
Connection_Error	D	High to indicate that there is a connection error.
HeartBeat_Error	D	High to indicate that there is a HeartBeat error.
Keypad_FB	D	High to indicate that the virtual Keypad is active.
Connection_Status	s	Serial value containing the Connection Status.
ScreenLine1	S	Serial value containing the value for virtual screenline 1.
ScreenLine2	S	Serial value containing the value for virtual screenline 2.
Panel Version	S	Serial value containing the software version of the panel.
To_alarm	s	Needs to be connected with the TX input from the COM Port.

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PARAMETERS:		
HeartBeat_Delay	A	Decimal value containing the time interval between 2 heartbeats.
RefreshRate_Keypad	A	Decimal value containing the time interval to refresh the virtual keypad.
Password	s	Serial value containing the password for the keypad connection. (8 character numeric format)

TESTING:	
OPS USED FOR TESTING:	PRO2 4.001.1011 (Feb 10 2009)
SIMPL WINDOWS USED FOR TESTING:	v2.11.18
CRESTRON DB USED FOR TESTING:	v20.05.022.00
DEVICE DB USED FOR TESTING:	v21.00.007.00
SAMPLE PROGRAM:	Cooper Security M2000 v1.1 PRO2 DEMO
REVISION HISTORY:	v1.1

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