

SETUP AND GENERAL INFORMATION

SIMPL WINDOWS NAME:	HAI Omni Pro II v1.0
CATEGORY:	Security
VERSION:	1.0
SUMMARY:	This module provides control and true feedback of the HAI Omni Pro II. This module is for serial control which is the recommended way to communicate with the HAI Controller as you do not need to implement AES security encryption. This module will work with via UDP as long as all incoming and outgoing strings are routed through a module to handle encryption and decryption.
CRESTRON HARDWARE:	ST-COM, C2-COM
SETUP OF CRESTRON HARDWARE:	RS232, Baud: 9600, Parity: None, Data Bits: 8, Stop Bits: 1
VENDOR FIRMWARE:	v3.1 or newer
VENDOR SETUP:	RS232, Baud: 9600, Protocol: Omni-Link
CABLE DIAGRAM:	See HAI manual

CONTROL

{{HAI[Omni-Link]_rx\$}}	S	Routed from 2-way serial com port.
[Login]	D	Pulse to start communication.
[Logout]	D	Pulse to stop communication.
[Keypad_0-9]	D	Pulse to enter 4-digit alarm code.
[Clear]	D	Pulse to clear alarm code.
[Enter]	D	Pulse to send code for verification.
[Away_Area_All]	D	Pulse to set all areas to away mode.
[Day_Area_all]	D	Pulse to set all areas to day mode.
[Night_Area_All]	D	Pulse to set all areas to night mode.
[Disarm_Area_all]	D	Pulse to disarm all areas.
[Away_Area_1-8]	D	Pulse to set area to away mode.
[Day_Area_1-8]	D	Pulse to set area to day mode.
[Night_Area_1-8]	D	Pulse to set area to night mode.
[Disarm_Area_1-8]	D	Pulse to disarm area.
[System_Info]	D	Pulse to bring up System_Info_Subpage_fb.
[System_Info_Exit]	D	Pulse to exit System_Info_Subpage_fb.
[System_Status]	D	Pulse to bring up System_Status_Subpage_fb.
[System_Status_Exit]	D	Pulse to exit System_Status_Subpage_fb.
[Zone_Status]	D	Pulse to bring up Zone_Status_Subpage_fb.
[Zone_Status_Exit]	D	Pulse to exit Zone_Status_Subpage_fb.
[Zone_1-176_Bypass/Restore]	D	Pulse to toggle bypass and restore per zone.

FEEDBACK

{{HAI[Omni-Link]_tx\$}}	S	Routed to 2-way serial com port.
[Logged_In_fb]	D	High to indicate that communication is enabled.
[Logged_Out_fb]	D	High to indicate that communication is disabled.
[Display_Line_1_fb]	D	High to indicate that zones are bypassed.
[Display_Line_2_fb]	D	High to indicate that code is being entered. See example program.
[Display_Line_2]	S	Entered alarm code. See example program.
[Keypad_Active_Subpage_fb]	D	High to indicate that Keypad Subpage is active.
[Keypad_Inactive_Subpage_fb]	D	High to indicate that Keypad Subpage is inactive. See example program.
[All_Areas_Away_fb]	D	High to indicate that all areas are in away mode.
[All_Areas_Day_fb]	D	High to indicate that all areas are in day mode.
[All_Areas_Night_fb]	D	High to indicate that all areas are in night mode.
[All_Areas_Disarmed_fb]	D	High to indicate that all areas are disarmed.
[Area_1-8_Away_fb]	D	High to indicate that area is in away mode.

[Area_1-8_Day_fb]	D	High to indicate that area is in day mode.
[Area_1-8_Night_fb]	D	High to indicate that area is in night mode.
[Area_1-8_Disarmed_fb]	D	High to indicate that area is disarmed.
[Area_All_Subpage_fb]	D	High to indicate that entered code grants access to all areas.
[Area_1-8_Subpage_fb]	D	High to indicate that entered code grants access to area.
[System_Info_Subpage_fb]	D	High to indicate that System_Info_Subpage is visible.
[Model_Number\$]	S	Make and Model of HAI Controller.
[Software_Version\$]	S	Major and Minor version of software currently running on HAI Controller. ex: 3.1
[Local_Phone_Number\$]	S	Local 7-digit phone number of HAI Controller.
[System_Status_Subpage_fb]	D	High to indicate that System_Status_Subpage is visible.
[Time\$]	S	Current time from HAI Controller.
[Date\$]	S	Current date from HAI Controller.
[Sunrise\$]	S	Current sunrise from HAI Controller.
[Sunset\$]	S	Current sunset from HAI Controller.
[Battery\$]	S	Current battery life from HAI Controller.ex: 91%
[Area_1-8_Security_Mode\$]	S	Current security mode for area from HAI Controller.
[Enclosure_1-8_Communication\$]	S	Current enclosure status from HAI Controller.
[Enclosure_1-8_Battery\$]	S	Current enclosure battery life from HAI Controller.
[Zone_Status_Subpage_fb]	D	High to indicate that Zone_Status_Subpage is visible. See example program.
[Zone_1-176_Bypassed_fb]	D	High to indicate that zone is currently bypassed by user or system.
[Zone_1-176_Current_Condition_fb]	A	Route to multi-mode button. 0 = Secure, 1 = Not Secure and 2 = Trouble.
[Zone_1-176_Latched_Alarm_fb]	A	Route to multi-mode button. 0 = Secure, 1 = Tripped and 2 = Previous Trouble. Unused in example program.
[Zone_1-176_Arming_fb]	A	Route to multi-mode button. 0 = Disarmed, 1 = Armed, 2 = Bypassed by User and 3 = Bypassed by System. Unused in example program.

PARAMETERS

PC Access Code	P	This must match the PC Acces Code in the HAI program. It must be a unique code.
Number of Areas	P	This must match the number of areas defined in the HAI program.

TESTING

OPS USED FOR TESTING:	PRO2: 3.155.1240
COMPILER USED FOR TESTING:	3.00
SIMPL WINDOWS:	3.10.18 Build: 20100723:1510
CRESTRON DATABASE:	29.00.013.00
SYMBOL LIBRARY:	768
SAMPLE PROGRAM:	HAI Omni Pro II v1.0 Demo
REVISION HISTORY:	v1.0 - Original Release