Partner: Surgex
Model: Axess Elite
Device Type: AC Power Controller

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Surgex AxessElite Module IP v1.0
CATEGORY:	AC Power Controller
VERSION:	1.0
SUMMARY:	IP Module to communicate with the Surgex AxessElite power controller series.
GENERAL NOTES:	This module controls the Surgex AxessElite power controller via TCP/IP port 23.
CRESTRON HARDWARE REQUIRED:	Any Series 2 & 3 Controllers, C2NENET-1, C2NENET-2
SETUP OF CRESTRON HARDWARE:	IP Port 23
VENDOR FIRMWARE:	v1.01.213
VENDOR SETUP:	The module uses a default password for both RS232 and TCP/IP communication.
CABLE DIAGRAM:	N/A

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CONTROL:

Outlet_01_Power_On	D	Pulse high to turn on the outlet.
Outlet_01_Power_Off	D	Pulse high to turn off outlet.
Outlet_01_Power_Cycle	D	Pulse high to cycle the states of the outlet. Use Set_Outlet_Cycle_Time analog signal to set the duration of the cycle.
Outlet_02_Power_On	D	Pulse high to turn on the outlet.
Outlet_02_Power_Off	D	Pulse high to turn off outlet.
Outlet_02_Power_Cycle	D	Pulse high to cycle the states of the outlet. Use Set_Outlet_Cycle_Time analog signal to set the duration of the cycle.
Outlet_03_Power_On	D	Pulse high to turn on the outlet.
Outlet_03_Power_Off	D	Pulse high to turn off outlet.
Outlet_03_Power_Cycle	D	Pulse high to cycle the states of the outlet. Use Set_Outlet_Cycle_Time analog signal to set the duration of the cycle.
Outlet_04_Power_On	D	Pulse high to turn on the outlet.
Outlet_04_Power_Off	D	Pulse high to turn off outlet.
Outlet_04_Power_Cycle	D	Pulse high to cycle the states of the outlet. Use Set_Outlet_Cycle_Time analog signal to set the duration of the cycle.
Outlet_05_Power_On	D	Pulse high to turn on the outlet.
Outlet_05_Power_Off	D	Pulse high to turn off outlet.
Outlet_05_Power_Cycle	D	Pulse high to cycle the states of the outlet. Use Set_Outlet_Cycle_Time analog signal to set the duration of the cycle.
Outlet_06_Power_On	D	Pulse high to turn on the outlet.
Outlet_06_Power_Off	D	Pulse high to turn off outlet.
Outlet_06_Power_Cycle	D	Pulse high to cycle the states of the outlet. Use Set_Outlet_Cycle_Time analog signal to set the duration of the cycle.
Outlet_07_Power_On	D	Pulse high to turn on the outlet.
Outlet_07_Power_Off	D	Pulse high to turn off outlet.

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Outlet_07_Power_Cycle	D	Pulse high to cycle the states of the outlet. Use Set_Outlet_Cycle_Time analog signal to set the duration of the cycle.
Outlet_08_Power_On	D	Pulse high to turn on the outlet.
Outlet_08_Power_Off	D	Pulse high to turn off outlet.
Outlet_08_Power_Cycle	D	Pulse high to cycle the states of the outlet. Use Set_Outlet_Cycle_Time analog signal to set the duration of the cycle.
Set_Outlet_Cycle_Time	A	Changing this signal will set the outlet cycle time. Value Range 1-99 seconds.
{{TCP/IP_Client_>>_Connect-F}}	D	Connect to "Connect-F" output from the TCP/IP client definition that will be communicating with the Surgex AxessElite unit.
{{TCP/IP_Client_>>_status}}	A	Connect to "status" output from the TCP/IP client definition that will be communicating with the Surgex AxessElite unit.
{{TCP/IP_Client_>>_RX$}}	S	Connect to "RX$" output from the TCP/IP client definition that will be communicating with the Surgex AxessElite unit.

Parameters:

User_Name_Text	Login user name, default value "admin".
User_Password_Text	Login user password, default value "admin".
Port Number	TCPIP Port Number, Set to 23.

FEEDBACK:

Line_Voltage_Text	S	Displays the input Line Voltage (Volts).
Line_Power_Draw_Text	S	Displays the device Power Draw (Watts).
Line_Current_Draw_Text	S	Displays the device Current Draw (Amps).
Total_Energy_Used_Text	S	Displays the amount of power this device has used (kWh).
Outlet_01_Is_On	D	Indicates when the outlet is on.
Outlet_01_Name_Text	S	Displays the current assigned friendly name of the outlet.
Outlet_01_Current_Draw_Text	S	Displays the amount of current this outlet is drawing (Amps).

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Outlet_01_Power_Draw_Text	S	Displays the amount of power this outlet is drawing (Watts).
Outlet_01_Energy_Used_Text	S	Displays the total amount energy this outlet has used (kWh).
Outlet_02_Is_On	D	Indicates when the outlet is on.
Outlet_02_Name_Text	S	Displays the current assigned friendly name of the outlet.
Outlet_02_Current_Draw_Text	S	Displays the amount of current this outlet is drawing (Amps).
Outlet_02_Power_Draw_Text	S	Displays the amount of power this outlet is drawing (Watts).
Outlet_02_Energy_Used_Text	S	Displays the total amount energy this outlet has used (kWh).
Outlet_03_Is_On	D	Indicates when the outlet is on.
Outlet_03_Name_Text	S	Displays the current assigned friendly name of the outlet.
Outlet_03_Current_Draw_Text	S	Displays the amount of current this outlet is drawing (Amps).
Outlet_03_Power_Draw_Text	S	Displays the amount of power this outlet is drawing (Watts).
Outlet_03_Energy_Used_Text	S	Displays the total amount energy this outlet has used (kWh).
Outlet_04_Is_On	D	Indicates when the outlet is on.
Outlet_04_Name_Text	S	Displays the current assigned friendly name of the outlet.
Outlet_04_Current_Draw_Text	S	Displays the amount of current this outlet is drawing (Amps).
Outlet_04_Power_Draw_Text	S	Displays the amount of power this outlet is drawing (Watts).
Outlet_04_Energy_Used_Text	S	Displays the total amount energy this outlet has used (kWh).
Outlet_05_Is_On	D	Indicates when the outlet is on.
Outlet_05_Name_Text	S	Displays the current assigned friendly name of the outlet.
Outlet_05_Current_Draw_Text	S	Displays the amount of current this outlet is drawing (Amps).
Outlet_05_Power_Draw_Text	S	Displays the amount of power this outlet is drawing (Watts).
Outlet_05_Energy_Used_Text	S	Displays the total amount energy this outlet has used (kWh).
Outlet_06_Is_On	D	Indicates when the outlet is on.
Outlet_06_Name_Text	S	Displays the current assigned friendly name of the outlet.

Outlet_06_Current_Draw_Text	S	Displays the amount of current this outlet is drawing (Amps).
Outlet_06_Power_Draw_Text	S	Displays the amount of power this outlet is drawing (Watts).
Outlet_06_Energy_Used_Text	S	Displays the total amount energy this outlet has used (kWh).
Outlet_07_Is_On	D	Indicates when the outlet is on.
Outlet_07_Name_Text	S	Displays the current assigned friendly name of the outlet.
Outlet_07_Current_Draw_Text	S	Displays the amount of current this outlet is drawing (Amps).
Outlet_07_Power_Draw_Text	S	Displays the amount of power this outlet is drawing (Watts).
Outlet_07_Energy_Used_Text	S	Displays the total amount energy this outlet has used (kWh).
Outlet_08_Is_On	D	Indicates when the outlet is on.
Outlet_08_Name_Text	S	Displays the current assigned friendly name of the outlet.
Outlet_08_Current_Draw_Text	S	Displays the amount of current this outlet is drawing (Amps).
Outlet_08_Power_Draw_Text	S	Displays the amount of power this outlet is drawing (Watts).
Outlet_08_Energy_Used_Text	S	Displays the total amount energy this outlet has used (kWh).
Outlet_Cycle_Time	A	Indicates the current settings for Outlet Cycle Time.
Connect-F	D	Indicates TCP/IP connection status with the Middle Atlantic RackLink unit. Goes high if connection is present.
status	A	Indicates details of TCP/IP status with regards to connection with the Middle Atlantic RackLink unit: 0d = Not connected 1d = Waiting for connection 2d = Connected 3d = Connection failed 4d = Connection broken remotely 5d = Connection broken locally
{{Connect_>>_TCP/IP_Client}}	D	To be connected to the "Connect" input of the TCP/IP client definition that will be communicating with the Middle Atlantic RackLink device.
{{TX$_>>_TCP/IP_Client}}	S	To be connected to the "TX$" input of the TCP/IP client definition that will be communicating with the Middle Atlantic RackLink device.

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TESTING:

OPS USED FOR TESTING:	PRO2 - v4.003.0015
SIMPL WINDOWS USED FOR TESTING:	3.11.15
CRES DB USED FOR TESTING:	33.05.005.01
DEVICE DATABASE:	45.00.019.00
SYMBOL LIBRARY USED FOR TESTING:	v828
SAMPLE PROGRAM:	Surgex AxessElite Demo IP v1.0 PRO2
REVISION HISTORY:	V1.0 – Initial Release

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