

Partner: Somfy
Model: Animeo
Device Type: Shades

**GENERAL INFORMATION**

SIMPLWINDOWS NAME:	Somfy Animeo v1.0
CATEGORY:	Shades/Drapes
VERSION:	V1.0
SUMMARY:	This module provides control and feedback for the Somfy Animeo system.
GENERAL NOTES:	<p>This module will provide a list of web remotes that can be controlled on a Somfy Animeo system. Selecting an item in the list will display the status for the web remote. It will also allow control of the web remote. The module will also provide a list of sensors and their statuses. The sensors are not controllable.</p> <p>Initialization Procedure:</p> <ol style="list-style-type: none">1) Send the user name into the module.2) Send the password into the module.3) Send the IP address of the Somfy Animeo system into the module.4) Send the port number of the Somfy Animeo system into the module.5) Pulse the init input. <p>The initialization will connect to the Somfy Animeo, login, and then request the list of web remotes, the status for each web remote, and then request the list of sensors along with their statuses.</p> <p>Since this module uses Simpl# it is compatible with 3-Series or higher processors only.</p>
CRESTRON HARDWARE REQUIRED:	C2I- *ENET*
SETUP OF CRESTRON HARDWARE:	TCP/IP: Port: 80
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	Web Remotes will need to be set up using the Somfy software.
CABLE DIAGRAM:	N/A

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CONTROL:

init	D	Pulse to initialize communications with the Somfy Animeo building server. The IP Address, Port_Number, User_Name, and Password must be provided via their inputs on the module before this input is pulsed.
selected_Item_<Up/Down/Stop>	D	Pulse to move the selected web remote.
send_New_Value	D	Pulse to send the new position to the web remote. The new value must be provided via the selected_Item_New_Value_In input before this input is pulsed.
use_Metric	D	Hold high to display the sensor values in metric units. Set low or comment out to display the sensor values in US English units.
refresh_List	D	Pulse to refresh the list text. This will only refresh the list_Item outputs with the list of web remotes that have already been downloaded.
enable_Sensor_Polling	D	Hold high to enable polling the sensors. The polling frequency is set using the sensorPollFrequency parameter field. Possible frequencies are 30 seconds, 1 minute, and 5 minutes. Default is 1 minute.
get_Web_Remotes	D	Pulse to download the list of web remotes. This is done when the init input is pulsed. This input can be used to download an updated list. You may wish to do that automatically overnight.
list_Item_Select	A	Analog input to select a web remote from the list. This is intended to be driven by the Item Clicked output from a Button List Smart Graphic symbol.
selected_Item_New_Value_In	A	Analog value to set the new position for the selected web remote. After setting the new position using this input you must pulse the send_New_Value input. Valid range is 0 (full up) to 100 (full down).
user_Name	S	Serial signal for the user name to use when logging into the Somfy Animeo system. The user name must be entered on this input before the init input is pulsed.
password	S	Serial signal for the password to use when logging into the Somfy Animeo system. The password must be entered on this input before the init input is pulsed.
somfy_Ip_Address	S	Serial signal for the IP address of the Somfy Animeo system to be controlled. The IP address must be entered on this input before the init input is pulsed.
somfy_Port_Number	S	Serial signal for the port number of the Somfy Animeo system to be controlled. The port number must be entered on this input before the init input is pulsed. The default port number is 80.

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PARAMETER:

sensorPollFrequency	P	Select the desired frequency for polling the sensors. The options are 30 seconds, 1 minute, and 5 minutes. Default is 1 minute.
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FEEDBACK:

selected_Item_Enabled	D	High to indicate that the selected item is enabled for control.
selected_Item_Locked	D	High to indicate that the selected item is locked.
item_Selected	D	High to indicate that an item is selected. This can be used to make controls visible.
list_Item_Count	A	Analog output indicating the number of items in the list. This should be routed to the Set Number of Items input on a Button List Smart Graphic symbol.
list_Selected_Item	A	Analog output indicating the selected item in the button list. This should be routed to the Select Item input on a Button List Smart Graphic symbol.
list_Deselect_Item	A	Analog output indicating the list item to be deselected. This should be routed to the Deselect Item input on a Button List Smart Graphic symbol.
sensor_List_Item_Count	A	Analog output indicating the number of sensors in the sensor list. This should be routed to the Set Number of Items input on a Button List Smart Graphic symbol.
selected_Item_Position	A	Analog output indicating the current position of the selected web remote. Full up is 0. Full down is 100.
selected_Item_Angle	A	Analog output indicating the current angle of the selected web remote.
selected_Item_Name	S	Serial signal indicating the name for the selected web remote.
selected_Item_Direction	S	Serial signal indicating the direction of the selected item.
list_Title	S	Serial signal indicating the title of the list.
sensor_List	S	Serial signals indicating the name of the sensor(s). There are 25 outputs.
sensor_List_Value	S	Serial signals indicating the value of the sensor(s). There are 25 outputs. This will include the units as well.
list_Item	S	Serial signals indicating the name of the available web remotes. There are 500 outputs.

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**TESTING:**

OPS USED FOR TESTING:	CP3: 1.011.0023
SIMPL WINDOWS USED FOR TESTING:	4.03.20
DEVICE DB USED FOR TESTING:	70.00.004.00
CRES DB USED FOR TESTING:	53.05.005.00
SYMBOL LIBRARY USED FOR TESTING:	973
SAMPLE PROGRAM:	Somfy Animeo v1.0 Demo
REVISION HISTORY:	v1.0 – Original Release.