Partner: Somfy Systems
Models: POE Motor
Device Type: Shades

Certified Module

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GENERAL INFORMATION

SIMPLWINDOWS NAME:	Somfy POE Motor v1.0 Group
CATEGORY:	Shades
VERSION:	1.0.0
SUMMARY:	This module works in conjunction with the Somfy POE Motor v1.0 Gateway module to control one or more Somfy POE Motor shade motors added to a group. One group module is required for configured group.
GENERAL NOTES:	This module requires one instance of the Somfy POE Motor v1.0 Gateway module. Set the CommandProcessor_ID parameter field of this module to match the command processor ID specified on the gateway module to register this module with the gateway module. The Group Name parameter must match a group name specified in the Somfy POE Motor commissioning software. Each single-motor Endpoint module includes string output signals that report the groups the motor belongs to. A group module can be configured to use one of those available group names. The position output of the group module is defined by the position of one of the motors in the group. The group module is assigned one of the shade motors in the group for the purpose of tracking shade position during module initialization. The **Endpoint_Target_ID** serial output specifies which shade motor the group module is using to report shade position.
CRESTRON HARDWARE REQUIRED:	4-Series processor, 3-Series processor
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A

PARAMETERS:

CommandProcessor_ID	The unique identifier of the Somfy POE Motor Gateway module that this module registers with.
Group_Name	The name of the group of shade motors this module controls.

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CONTROL:

Wink	D	Pulse to oscillate all the shades in the group down and up a small amount.
Jog_Up	D	Pulse to move all the shades in the group up the distance traveled in one second.
Jog_Down	D	Pulse to move all the shades in the group down the distance traveled in one second.
Intermediate_Position_Up	D	Pulse to move all the shades in the group up to the next intermediate position. Intermediate positions are defined in the Somfy POE Motor configuration software.
Intermediate_Position_Down	D	Pulse to move all the shades in the group down to the next intermediate position. Intermediate positions are defined in the Somfy POE Motor configuration software.
Intermediate_Position_To	D	Pulse to move all the shades in the group to the intermediate position specified by the **Intermediate_Position_Index** analog input.
Intermediate_Position_Index	A	Integer value specifies the index of the intermediate position to move to. This value must be within the range of intermediate positions defined on each shade motor of the group, up to a maximum of 16.
Move_Up	D	Latch high to move the all the shades in the group up until the signal goes low or the stop position is reached.
Move_Down	D	Latch high to move all the shades in the group down until the signal goes low or the stop position is reached.
Move_Stop	D	Pulse to halt movement of all shade motors in the group.
Move_To	D	Pulse to move all the shades in the group to the position specified by the **Move_To_Position** analog input.
Move_To_Position	A	Integer value specifies the target position of the shade group specified as a percentage. Range is 0 to 65535. Pulse the **Move_To** digital input to move all the shades in the group to the position specified by this value.

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FEEDBACK:

Is_Active	D	Digital high indicates the Group Name parameter of the module matches one of the group names reported by the discovered shade motors, or no matching group name was found when the signal is low. Control of the shade group module is only possible when this signal is high. If this signal does not go high during program startup, check that the Group Name parameter of the module matches one of the group names configured in the Somfy POE Motor commissioning software.
Is_Initialized	D	Digital high indicates the module group position has synchronized with the position of one of the shade motors that belong to the group, or not synchronized when the signal is low.
Endpoint_Target_ID	S	Text value indicates the target ID of the shade motor used by the group module for reporting shade position of the group.
Current_Position	A	Integer value indicates the current shade group position as a percentage. Range is 0 to 65535.

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TESTING:

OPS USED FOR TESTING:	MC4 v2.8001.00086 CP3 v1.8001.4925.26115
SIMPL WINDOWS USED FOR TESTING:	4.2500.04
CRES DB USED FOR TESTING:	219.0500.001.00
DEVICE DATABASE:	200.28000.002.00
SYMBOL LIBRARY USED FOR TESTING:	1191
SAMPLE PROGRAM:	Somfy POE Motor v1.0 Demo IP CP3.smw
REVISION HISTORY:	v1.0 – Initial Release