

Partner: Somfy
Model: POE
Device Type: Shade/Motor Control



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Somfy POE v1.0 Shade Endpoint Control
CATEGORY:	Shades/Drapes
VERSION:	1.0
SUMMARY:	This module provides control functionality for one endpoint – either a single shade motor or group connected to a specific gateway.
GENERAL NOTES:	This module provides motion control and position feedback for a single shade motor or shade group (a group can consist of multiple single shade motors). This module requires an instance of the Somfy POE v1.0 Command Processor IP module to be included in the program. Associate this module with the command processor module by setting the command processor ID parameter to the same ID as specified in the gateway module.
CRESTRON HARDWARE REQUIRED:	Crestron 3-Series processor.
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A

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**PARAMETER:****Command_Processort_ID**

Setting to indicate the unique identifier for the command processor module that controls this endpoint. A program can contain multiple command processor modules for a deployment that includes multiple gateways. An endpoint is associated to a specific gateway by setting the same value in this parameter that matches the corresponding command processor module ID.

Endpoint_Type

Setting to indicate the type of endpoint this module controls, either **Single** to reference an individual shade motor, or **Group** to reference a group of shade motors.

Device_ID

Setting to indicate the unique identifier of the endpoint. The meaning of this parameter will differ depending on the Endpoint_Type selected. If EndPoint_Type is **Single**, this parameter specifies the Device ID for the single motor this module will control. If the Endpoint_Type is **Group**, this setting specifies the Device ID for the single motor within the group to use for status feedback.

Group_ID

Setting to indicate the Group ID to control. This value is only relevant if Endpoint_Type selected is **Group**. If Endpoint_Type is **Single**, double quotes ("") should be used in this field.

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**CONTROL:**

Endpoint_Info	D	Pulse to request the endpoint ID for the single motor or group this module controls.
Endpoint_Position	D	Pulse to request the position of the shade as a percentage of fully closed (down).
Move_Up	D	Pulse to move the endpoint (single motor or group) upward. Motion stops when the endpoint reaches the upper limit.
Move_Down	D	Pulse to move the endpoint (single motor or group) downward. Motion stops when the endpoint reaches the lower limit.
Move_Stop	D	Pulse to stop movement of the endpoint.
Move_To	A	Specifies the position to move to as a percentage of fully closed (down). Range is 0 (fully open, or up), to 100 (fully closed, or down).

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**FEEDBACK:**

Is_Initialized	D	High when the state of the endpoint has been updated after initial connection. For a Single endpoint, this signal is high when the current position has been updated. For a Group endpoint, this signal is high when the current position of the representative single motor has been updated. The representative single motor for the group is specified by the Device ID parameter (See Device_ID above).
Current_Position	A	Analog value specifies the current position of the endpoint. For a Single endpoint, this signal specifies the current position of the single shade motor. For a Group endpoint, this signal specifies the current position of the representative single shade motor. The representative single motor for the group is specified by the Device ID parameter (See Device_ID above).
Endpoint_Info\$	S	String value specifies the Device ID of the endpoint. For a Single endpoint, this signal specifies the Device ID of the single shade motor and should match the Device ID parameter field. For a Group endpoint, this signal specifies the Group ID of the module.
Error_Message\$	S	String value returns any error message reported by the endpoint.

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**TESTING:**

OPS USED FOR TESTING:	CP3 1.502.3149.32856
SIMPL WINDOWS USED FOR TESTING:	4.09.04
CRES DB USED FOR TESTING:	69.00.001.00
DEVICE DATABASE:	95.00.002.00
SYMBOL LIBRARY USED FOR TESTING:	1063
SAMPLE PROGRAM:	Somfy POE v1.0 Demo IP CP3.smw
REVISION HISTORY:	v1.0 – Initial Release