

**Partner: Somfy**  
**Model: POE**  
**Device Type: Shades/Motor Control**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Somfy POE v1.2 Command Processor IP
<b>CATEGORY:</b>	Shades/Drapes
<b>VERSION:</b>	1.2
<b>SUMMARY:</b>	This module controls IP communication with the Somfy POE gateway.
<b>GENERAL NOTES:</b>	This module acts as the primary communication interface to a single Somfy gateway. One gateway can control a series of endpoint modules, up to four (4) individual shade motors, or up to five (5) groups of motors. A group is comprised of multiple single shade motors that act as a single unit. An installation may consist of multiple gateways, each controlling a series of shade motors.
<b>CRESTRON HARDWARE REQUIRED:</b>	Crestron 3-Series processor. Crestron 4-Series processor
<b>SETUP OF CRESTRON HARDWARE:</b>	Crestron CP3 Crestron MC4
<b>VENDOR FIRMWARE:</b>	TMC_T1.6.3.16.19
<b>VENDOR SETUP:</b>	N/A

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**PARAMETER:**

<b>Command_Processor_ID</b>	Setting to indicate the unique identifier of the command processor module. A single program can contain multiple command processor modules where multiple gateways are involved. Each command processor module must have a unique ID. An ID is referenced in all endpoint modules controlled by the particular gateway.
<b>IP_Address</b>	Setting to indicate the IP address of the gateway to control.
<b>Port</b>	Setting to indicate the remote IP port for device communication. The default port for the gateway is 44100.

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**CONTROL:**

<b>Connect</b>	D	Pulse to establish communication with the gateway and start the module "heartbeat" which is used to maintain communication with the gateway by periodically sending ping requests to confirm the gateway is still communicating with the control system.
<b>Disconnect</b>	D	Pulse to break communication with the gateway and stop the module "heartbeat".
<b>Reconnect</b>	D	Pulse to re-establish communication with the gateway. This signal is provided as a convenience should it be desired to reinitialize at any point. Initialization will automatically occur when the program starts.
<b>Enable_Feedback</b>	D	Pulse to toggle motion feedback on or off. When enabled, position feedback will be sent to the module while the shade is moving. This feedback can be desirable when a user interface contains a graphical element to show the position of the shade.
<b>Enable_Debug</b>	D	Pulse to toggle the internal trace messages printed in SIMPL Debugger. These messages may be useful while debugging to see what processes are occurring within the module. Note it is highly recommended to leave debugging disabled unless actively debugging as it causes much additional signal traffic in Debugger.

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**FEEDBACK:**

<b>Is_Communicating</b>	D	High to indicate that communication has been established with the gateway. Once communication has been established, the module will start sending periodic heartbeats to the device.
<b>Is_Initialized</b>	D	High to indicate the gateway module is initialized. A gateway is only initialized when all of the endpoints controlled by the gateway are initialized. An endpoint is initialized when its current position has been refreshed in the module after initial communication is established.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	CP3 1.8001.4788.20471 MC4 2.7000.00052
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.20
<b>CRES DB USED FOR TESTING:</b>	211.0500.001.00
<b>DEVICE DATABASE:</b>	200.17500.001.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1164
<b>SAMPLE PROGRAM:</b>	Somfy POE v1.2 Demo IP CP3.smw
<b>REVISION HISTORY:</b>	v1.0 – Initial Release v1.1 – Rebuilt after update to .clz due to Database 200 release v1.2 – Fixed reconnection issue after processor reboot.