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

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Somfy myLink v1.2 Command Processor
CATEGORY:	Shades/Drapes
VERSION:	1.2
SUMMARY:	This module controls IP communication with a Somfy myLink gateway.
GENERAL NOTES:	This module acts as the primary communication link to a particular myLink gateway. Multiple instances of this module can be included in the Crestron program to communicate with different myLink gateways on the network. Each instance of this primary module may have any number of additional “endpoint” modules and/or a single “scene” module (included as part of the module package) associated with it to control either individual endpoints (i.e. shades/motors) or scenes that have been set up for the myLink gateway. This allows for a flexible mechanism to include only the motor control features desired within a particular system.
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_Processor_ID	Setting to indicate the instance of a particular myLink Comm module. Up to 100 separate Comm modules may be used in a single program, each one operating independently and communicating with a different myLink gateway. This parameter is used to distinguish events happening on difference myLink devices. Note that if multiple Comm modules are to be used in a single system, they must each have different Command Processor ID's set.
Device_ID	Setting to indicate the Device ID of the myLink gateway. This value can be retrieved from the "Integration Report" generated using the myLink app and is listed as the first part of the "Target ID" found in the report (before the channel for a particular endpoint device). For instance, if the "Target ID" listed is "CC1009F4.1", the Device ID would be "CC1009F4".
IP_Address	Setting to indicate the IP address of the myLink gateway to control. This value can be retrieved from the "Integration Report" generated using the myLink app and is listed as the "IP Address".
Password	Setting to indicate the System ID required for authorizing a control connection to the myLink. This value can be retrieved from the "Integration Report" generated using the myLink app and is listed as the "System ID".

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CONTROL:

Connect	D	Pulse to establish communication with the myLink gateway and start the module “heartbeat” which is used to maintain communication with the myLink by periodically sending status requests to confirm the myLink is still communicating with the control system.
Disconnect	D	Pulse to break communication with the myLink gateway and stop the module “heartbeat”.
Reinitialize	D	Pulse to re-establish communication with the myLink 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.
Enable_Debug	D	Set high to enable internal trace messages to be 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 this signal low unless actively debugging as it causes much additional signal traffic in Debugger.
Clear_Error	D	Pulse to clear the last error message received from the device.

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FEEDBACK:

Is_Communicating	D	High to indicate that communication has been established with the myLink gateway. Once communication has been established, the module will attempt to initialize automatically.
Is_Initialized	D	High to indicate that the module's internal state variables are now synced with the myLink gateway's current state. *Note: Outgoing commands will not be sent by any endpoint modules linked to the Comm module's Instance ID until the Comm module is initialized. However, heartbeat commands will continue to be sent.*
Has_Error	D	High to indicate that an error message has been received from the myLink gateway.
Error_Message$	S	Serial signal indicating the last error message received from the device.

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TESTING:

OPS USED FOR TESTING:	CP3: 1.501.2867.24563
SIMPL WINDOWS USED FOR TESTING:	4.07.03
CRES DB USED FOR TESTING:	63.00.004.00
DEVICE DATABASE:	85.00.002.00
SYMBOL LIBRARY USED FOR TESTING:	1033
SAMPLE PROGRAM:	Somfy myLink v1.2 Demo IP CP3
REVISION HISTORY:	v1.0 – Initial Release v1.1 – fixed SIMPL# namespace/naming issue to allow for using myLink modules with UAI+ modules in same program v1.2 – Rebuilt after update to .clz due to Database 200 release

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