

**Partner: Somfy**  
**Model: SDN 2.0**  
**Device Type: Shades/Drapes**



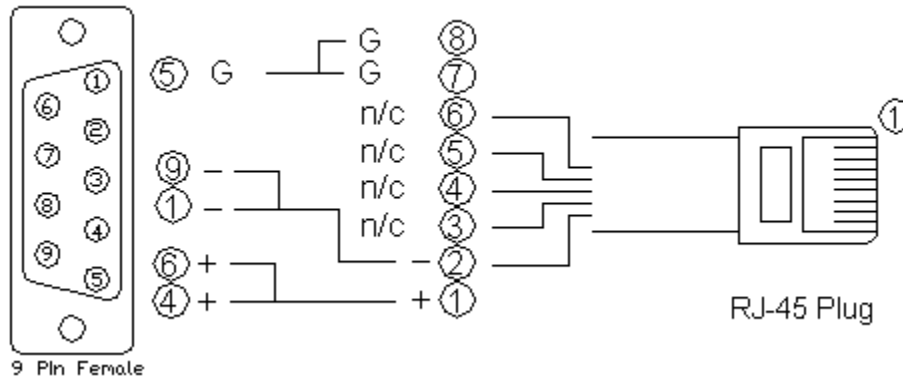
## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Somfy SDN2.0 Serial Queue v1.0
<b>CATEGORY:</b>	Shades/Drapes
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module handles all communication between the Crestron and the Somfy SDN2.0.
<b>GENERAL NOTES:</b>	<p>This module handles all communication between the Crestron and the Somfy SDN2.0.</p> <p>On boot up, this module will check the toModules output to see how many modules are connected. Therefore, you should not skip toModules outputs and you should not expand the toModules outputs to more than the number of motor control modules you are actually using. If you skip toModules outputs or you expand the toModules outputs to more than the number of motor control modules you are using the initialization process will fail and no commands will be sent to the Somfy device.</p> <p>This module will take the response received from the Somfy and route them to the proper motor control module.</p> <p>This module will queue all commands to be sent to the Somfy.</p> <p>You must pulse the initialize input on the module in order for the module to be able to properly route the responses from the Somfy. If the initComplete does not go high there was a problem with the initialization process.</p> <p>If commands are not being sent to the Somfy, check the initComplete output.</p> <p>This module must be used with the Somfy SDN2.0 Serial Queue module.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	RS485 capable C2-COM-*
<b>SETUP OF CRESTRON HARDWARE:</b>	RS485 Baud: 4800 Parity: Odd Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	To get the address for the motor you must use the Somfy software. The address from the Somfy software is then entered exactly into the paramMotorAddress parameter field.
<b>CABLE DIAGRAM:</b>	Custom

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Rear View of Connector



**CONTROL:**

<b>initialize</b>	D	Pulse to initialize the modules. You should NOT place a one (1) on this input as it may cause unexpected results.
<b>fromDevice</b>	S	Serial signal to be routed from a 2-way RS485 capable serial com port.
<b>fromModule</b>	S	Serial signal to be routed from one of the toModules outputs on the Somfy SDN2.0 Motor Control modules.

**FEEDBACK:**

<b>initComplete</b>	D	High to indicate that the initialization completed successfully. If this does not go high then you need to check to make sure that you haven't skipped any toModules outputs and that you haven't expanded the toModules output to more than the number of motor control modules you are using.
<b>toDevice</b>	S	Serial signal to be routed to a 2-way RS485 enabled serial com port.
<b>toModules</b>	S	Serial signal to be routed to the fromQueueModule input of ONE Somfy ISDN2.0 Motor Control module.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	PRO3: 1.501.0013
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.03.20
<b>DEVICE DB USED FOR TESTING:</b>	72.05.001.00
<b>CRES DB USED FOR TESTING:</b>	54.05.005.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	983
<b>SAMPLE PROGRAM:</b>	Somfy SDN2.0 v1.0 Demo
<b>REVISION HISTORY:</b>	v1.0 – Initial Release