

Partner: Somfy
Model: ILT2 + ST-30
Device Type: Shades/Drapes


GENERAL INFORMATION

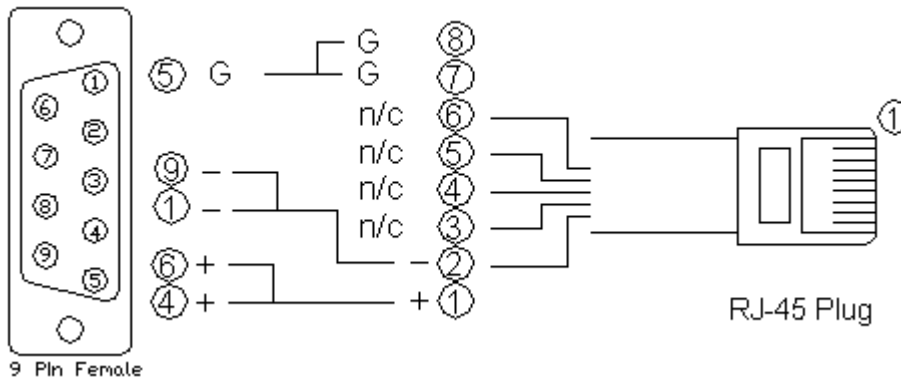
SIMPLWINDOWS NAME:	Somfy ILT2 + ST-30 Motor Control v2.6
CATEGORY:	Shades/Drapes
VERSION:	2.6
SUMMARY:	This module will control one Somfy ILT2 or ST-30 motor.
GENERAL NOTES:	<p>This module will control one Somfy ILT2 or ST-30 motor. It also provides true feedback. The Somfy ILT2 or ST-30 motor address must be entered in the parameter field. The Crestron processor must have an address on the Somfy ILT2 + ST-30 network. This can be selected from a dropdown list. The default is \x80\x80\x80 and should be sufficient for most installations.</p> <p>There is an input on the module called Poll. This input is NOT intended to be used for constant polling. The module will get the current motor position automatically while the motor is moving. This input is intended to be used to get the initial motor position and to get motor positions when the motor is being controlled using the Somfy ILT2 + ST-30 Group Control v2.6 module.</p> <p>There are two sets of up and down buttons on the module.</p> <p>The Three_Button_<Up/Down/Stop> buttons are to be pulsed. The up and down will start the motor moving. The motor will continue to move until either it hits the limit or the stop button is pulsed.</p> <p>The Two_Button_<Up/Down> are press and hold buttons. Pressing the up or down will start the motor moving. It will continue to move until it hits the limit or until the up or down is released.</p> <p>THIS MODULE MUST BE USED WITH THE Somfy ILT2 + ST-30 Serial Queue v2.6 MODULE.</p> <p>IN ORDER FOR FEEDBACK TO WORK, THE INITIALIZE INPUT ON THE Somfy ILT2 + ST-30 Serial Queue v2.6 module MUST BE PULSED.</p>
CRESTRON HARDWARE REQUIRED:	C2COM-2/3. C2I-COM6, ST-COM
SETUP OF CRESTRON HARDWARE:	RS485 Baud: 4800 Parity: Odd Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	<p>To get the address for the ILT2 and the ST-30 (Sonnesse 30 485) you must use the Somfy software "ILT2 and ST30 RS485 Motor Configuration". The address from the Somfy software is then entered directly as three bytes.</p> <p>i.e. Somfy software reads address 7C3000, enter this as \x7C\x30\x00</p> <p>Alternate method for ST-30 (Sonnesse 30 485) ONLY: The Node ID is printed on the motor. Take the Node ID, reverse the first and last bytes then subtract each byte</p>

Partner: Somfy
Model: ILT2 + ST-30
Device Type: Shades/Drapes



	from 0xFF. i.e. Node ID is 06024A 1) Swap the first and last byte – 4A0206 2) Subtract each byte from 0xFF – 0xFF – 0x4A, 0xFF – 0x02, 0xFF – 06 this gives B5 FD F9 3) Enter that as \xB5\xFD\xF9
CABLE DIAGRAM:	Custom

Rear View of Connector



CONTROL:

Three_Button_<Up/Down>	D	Pulse to start the motor moving in either the up or down direction.
Three_Button_Stop	D	Pulse to stop the motor moving.
Two_Button_<Up/Down>	D	Press to start the motor moving in the up or down direction. Release to stop the motor moving.
Recall_Somfy_Intermediate_Point_<1..16>	D	Pulse to recall the intermediate point stored in the Somfy motor.
Store_Somfy_Intermediate_Point_<1..16>	D	Pulse to store the current motor position as an intermediate point in the Somfy motor.
Poll	D	Pulse to get the current motor position. This is NOT intended to be used for constant polling. It is intended to be used to get the initial motor position or when the motor is being controlled by the Somfy ILT2 + ST-30 Group Control v2.6 module.
From_Processor_Module	S	Serial signal to be routed from one of the To_Module_* outputs on the Somfy ILT2 + ST-30 Serial Queue v2.6 module.

Partner: Somfy
Model: ILT2 + ST-30
Device Type: Shades/Drapes


FEEDBACK:

Current_Position_Gauge	A	Analog signal indicating the current motor position. To be displayed using a gauge on a touch panel.
To_Processor	S	Serial signal to be routed to the From_Modules input on the Somfy ILT2 + ST-30 Serial Queue v2.6 module.

PARAMETER:

Crestron Address	P	Select the address for the Crestron processor. The default is \x80\x80\x80 and that should be sufficient for most applications.
Somfy Motor Address	P	Enter the address of the Somfy motor to be controlled. SEE VENDOR SET UP FOR INSTRUCTIONS ON GETTING THE SOMFY MOTOR ADDRESS.

TESTING:

OPS USED FOR TESTING:	4.001.1012
SIMPL WINDOWS USED FOR TESTING:	3.01.24
CRESTRON DB USED FOR TESTING:	25.00.002.00
DEVICE DB USED FOR TESTING:	33.00.005.00
SAMPLE PROGRAM:	Somfy ILT2 + ST-30 v2.6 Demo PRO2.smw
REVISION HISTORY:	<p>V. 1.0 – Original release.</p> <p>V. 2.0 – 5-27-2010 – Added support for Somfy’s ST-30 motors.</p> <p>V. 2.3 – 6-16-2010 – Address an issue with entering the motor address.</p> <p>V. 2.4 – 8-23-2010 – Addressed an issue with the way the module handles the motor address.</p> <p>V2.6 – 4-25-2011 – Addressed and issue with the way that the group module handles the group address. Changed the Somfy ILT2 + ST-30 Serial Queue v2.6 module to handle initial feedback response and then pass the feedback to the correct Somfy ILT2 + ST-30 Motor Control v2.6. Changed the Somfy ILT2 + ST-30 Motor Control v2.6 module to respond to the Initialize command from the Somfy ILT2 + ST-30 Serial Queue module.</p>