Partner: Somfy
Model: CI-SOMFY-RTS
Device Type: Device Interface

GENERAL INFORMATION:

SIMPLWINDOWS NAME:	"Crestron CI-SOMFY-RTS v1.3.umc"
CATEGORY:	Device Interface
VERSION:	V1.3
SUMMARY:	The *Crestron CI-SOMFY-RTS v1.3* macro offers control over up to 16 Somfy RTS motors by interfacing with the CI-SOMFY-RTS.
GENERAL NOTES:	The *Crestron CI-SOMFY-RTS v1.3* macro offers control over up to 16 Somfy RTS motors by interfacing with the CI-SOMFY-RTS. The macro offers a selection of 16 channels. Each channel can be linked to a somfy RTS motor by triggering the *Send_Program_Command* signal while the Somfy RTS motor is in program mode.(Please refer to the manual of the motor for guidelines on how to enter program mode). Once the motor is linked to a channel, it can be controlled by triggering the *Move_Up, Move_down, Stop_Movement, Tilt_Up, Tilt_Down and Move_to_Favorite_Position* signals. It is also possible to set the Favorite Position and to turn on/off *Sun Protection mode.* Each channel contains a *Channel_x_Mode* parameter that defines the mode that should be used to control the motor on channel x. Make sure to select the right channel mode.
CRESTRON HARDWARE REQUIRED:	PRO2 processor
SETUP OF CRESTRON HARDWARE:	RS485 Baud: 4800 Parity: Odd Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	V. 5000000A02
VENDOR SETUP:	Place the transmitter in range of all the somfy RTS motors that it has to control
CABLE DIAGRAM:	The pin layout of the RS485 connection differs depending on the date the unit was created. You should check the date code on the label of the packaging (see picture below). There are two versions: Before 1040 (week n°40 of 2010): The first version has a shiny finishing and the RS485 pin layout is as follows 'NC - + G'. From 1040 or later (week n°40 of 2010): The second version has a matt finishing and the RS485 pin layout is as follows 'NC + - G'. **Before 1040 (week n°40 of 2010):**

COM(DB9) CONNECTOR	RS-485 BUS

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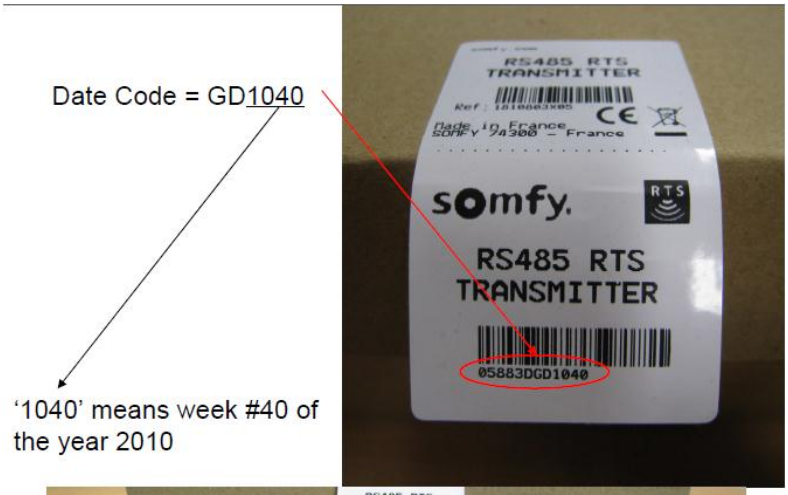
Tie Pins 1 & 9	+
Tie Pins 4 & 6	-
Pin 5	G

From 1040 or later (week n°40 of 2010):

COM(DB9) CONNECTOR	RS-485 BUS
Tie Pins 1 & 9	-
Tie Pins 4 & 6	+
Pin 5	G



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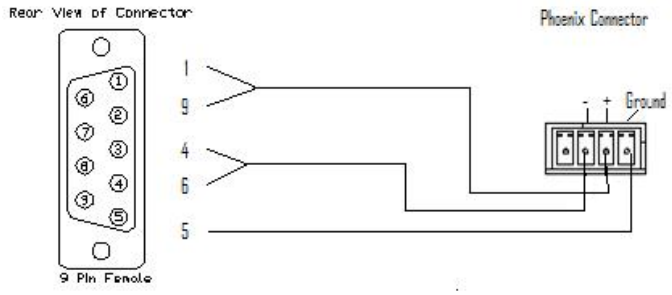
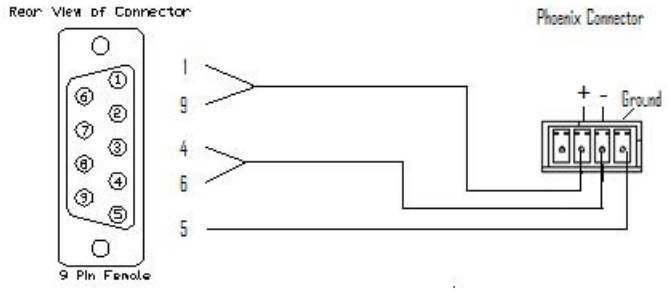
Before 1040 (week n°40 of 2010):



From 1040 or later (week n°40 of 2010):



CONTROL:

Move_Up	D	Pulse to move the motor to the upper limit.
Move_Down	D	Pulse to move the motor to the lower limit.
Stop_Movement	D	Pulse to stop the motor.
Move_To_Favorite_Position	D	Pulse to move the motor to the intermediate position.
Set_As_Favorite_Position	D	Pulse to set this position to the intermediate position.
Tilt_Up	D	Pulse to tilt up.
Tilt_Down	D	Pulse to tilt down.
Tilting_Value	A	Analog value indicating the tilting value. Range from 1 to 127
Tilting_Sensitivity	A	Analog value indicating the number of frames that are sent while tilting.

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		value range: US Mode- 4 to 255 CE Mode- 2 to 13
Activate_Sun_Protection	D	Pulse to activate sun protection.
Deactivate_Sun_Protection	D	Pulse to deactivate sun protection.
Send_Program_Command	D	Pulse to send the program command.
Open_Program_Mode	D	Pulse to open the program mode.
Channel_x	D	Pulse to select channel x
From_Device	S	To be connected with RX signal of the serial port.

FEEDBACK:

Channel_x_is_Active	D	High to indicate that channel x is active.
To_Device	S	To be connected with the Tx signal of the serial port.

PARAMETERS:

Source_Address	S	Source address of the Crestron control system. The address should be a value between FFFF00 and FFFFFE.
Transmitter_Address	S	The address of the CI-SOMFY-RTS. The address can be found on the device.
Channel_x_Mode	S	Parameter containing the mode of channel x. There are 8 modes: CE_Rolling_Modulis, CE_Rolling_Normal, CE_Tilting_Modulis, CE_Tilting_Normal, US_Rolling_Modulis, US_Rolling_Normal, US_Tilting_Modulis, US_Tilting_Normal.

TESTING:

OPS USED FOR TESTING:	PRO2 4.007.0004 MC3 1.007.0019
SIMPL WINDOWS USED FOR TESTING:	V. 4.02.16.00
CRESTRON DB USED FOR TESTING:	V. 39.05.002.00
DEVICE DB USED FOR TESTING:	V. 50.00.004.00
SAMPLE PROGRAM:	“Crestron CI-SOMFY-RTS v1.3 PRO2 Demo.smw”

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	“Crestron CI-SOMFY-RTS v1.3 MC3 Demo.smw”
REVISION HISTORY:	V. 1.3

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