

somfy® *MULTI CHANNEL RS232 INTERFACE*

Operating Instructions

DESCRIPTION



This interface module translates RS232 protocol from a PC, home automation or lighting system into Somfy infrared code. It is compatible with Somfy's DC5 and MultiLink controls.

A GUI is available from Somfy Systems, please contact a sales representative for more information.

Catalog No: 1810607

PROTOCOL

The Somfy RS232 interface uses the following communications settings:

1200 Baud
8 Data Bits
1 Stop Bit
No Parity

The basic format for communication to the Interface is as follows:

TRAN ; ADDR1 ; ADDR2 ; CMD <cr>

TRAN: IR Transmitter Type
ADDR1/ADDR2: Unit Address
CMD: Command (UP, DOWN,, etc.)

NOTE: There must be a 500ms delay between each command

A. Send Transmitter Code

The first data to send to the RS232 interface is the transmitter type:

Multi Channel: P00 (Power-Up Default, not necessary to send)
Single Channel: P01
8 Channel: P02

The transmitter code should be sent before each string if using the single or 8 channel protocol to "wake up" the RS232 Interface incase of a power outage.

B. Unit Address

The unit address must first be set on the rotary switch of the DC5 or programmed into the MultiLink control. Refer to the operating instructions for those products for further details. Each number of the unit address must be preceded by an "X". The Group Address is substituted for the unit address. For example:

Addresses 1 - 9:	X1 - X9	
Addresses 10 - 99:	X<digit1>; X<digit2>	ex; Address 38: X3; X8;
Group 1:	XG1	Unit Addresses 1 - 4 (8 chan. protocol) or 1 - 5 (multi chan. protocol)
Group 2:	XG2	Unit Addresses 5 - 8 (8 chan. protocol) or 6 - 10 (multi chan. protocol)
Group 3:	XG3	Unit Addresses 11 - 15 (99 chan. protocol)
Group 4:	XG4	All units (all transmitter types)

C. Directional Command

These codes represent valid commands:

UP: U
DOWN: D
STOP: S
TILT OPEN: O
TILT CLOSED: C

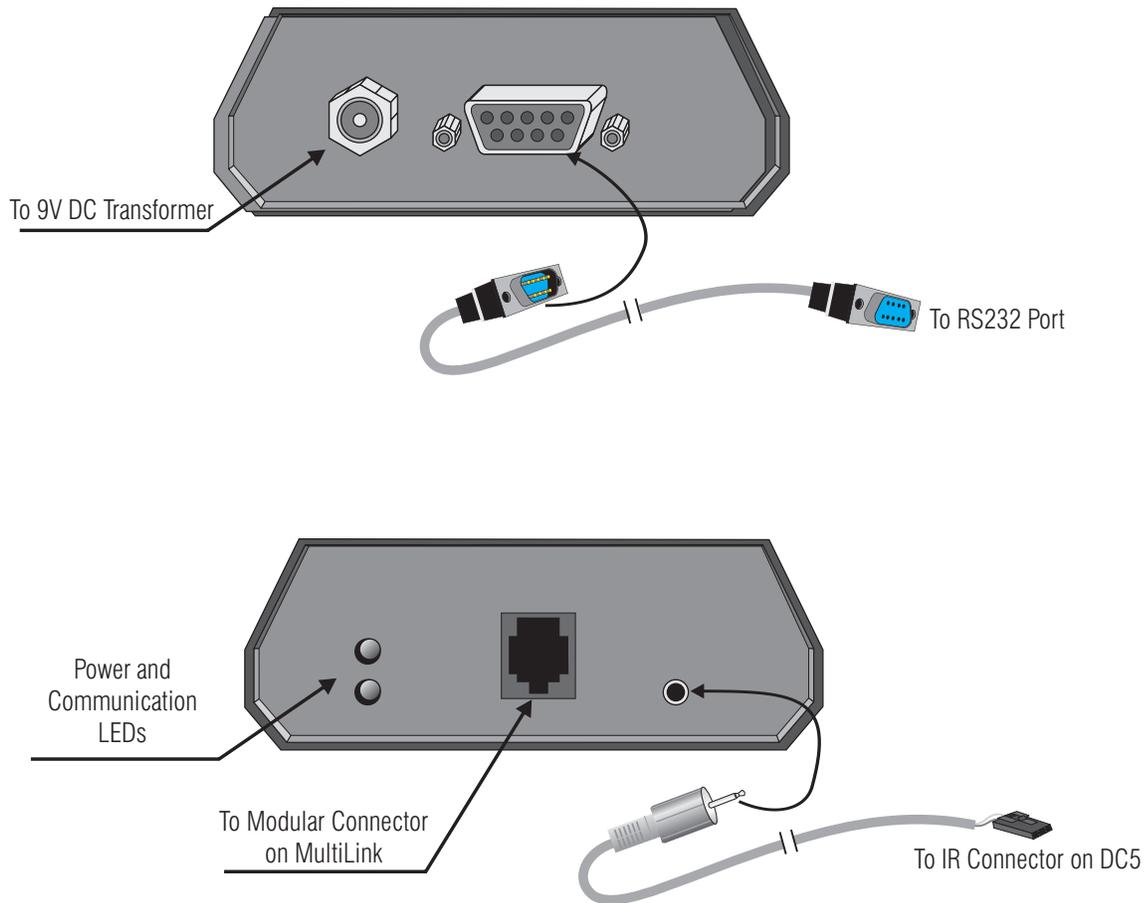
NOTE: Command Codes MUST be capital letters

**To stop tilting, simply send STOP command (S).

MORE EXAMPLES

Single Channel Transmitter, Unit 1, Up:	P01 ; X1 ; U <cr>
Single Channel Transmitter, Unit 1, Stop:	P01 ; X1 ; S <cr>
8 Channel Transmitter, Unit 5, Down:	P02 ; X5 ; D <cr>
8 Channel Transmitter, Unit 2, Tilt Open:	P02 ; X2 ; O <cr>
8 Channel Transmitter, Group 2, Tilt Closed:	P02 ; XG2 ; C <cr>
Multi Channel Transmitter, Unit 23, Tilt Open:	X2 ; X3 ; O <cr>
Multi Channel Transmitter, Unit 74, Up:	X7 ; X4 ; U <cr>
Multi Channel Transmitter, Group 3, Stop:	XG3 ; S <cr>

CONNECTION DIAGRAM



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