



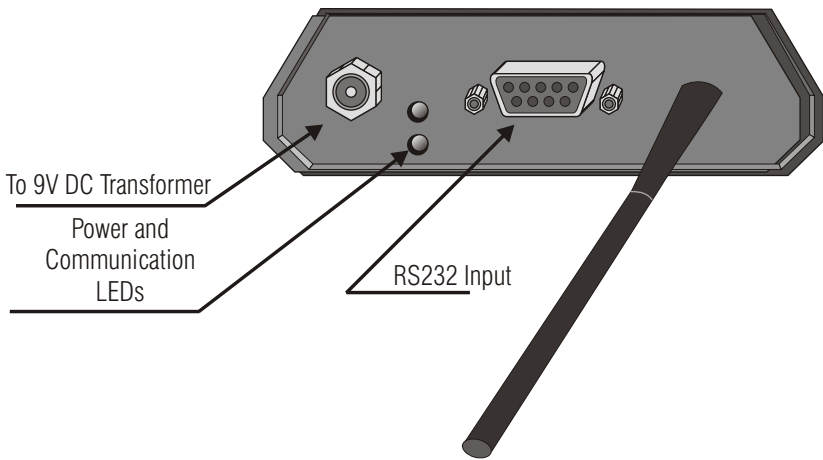
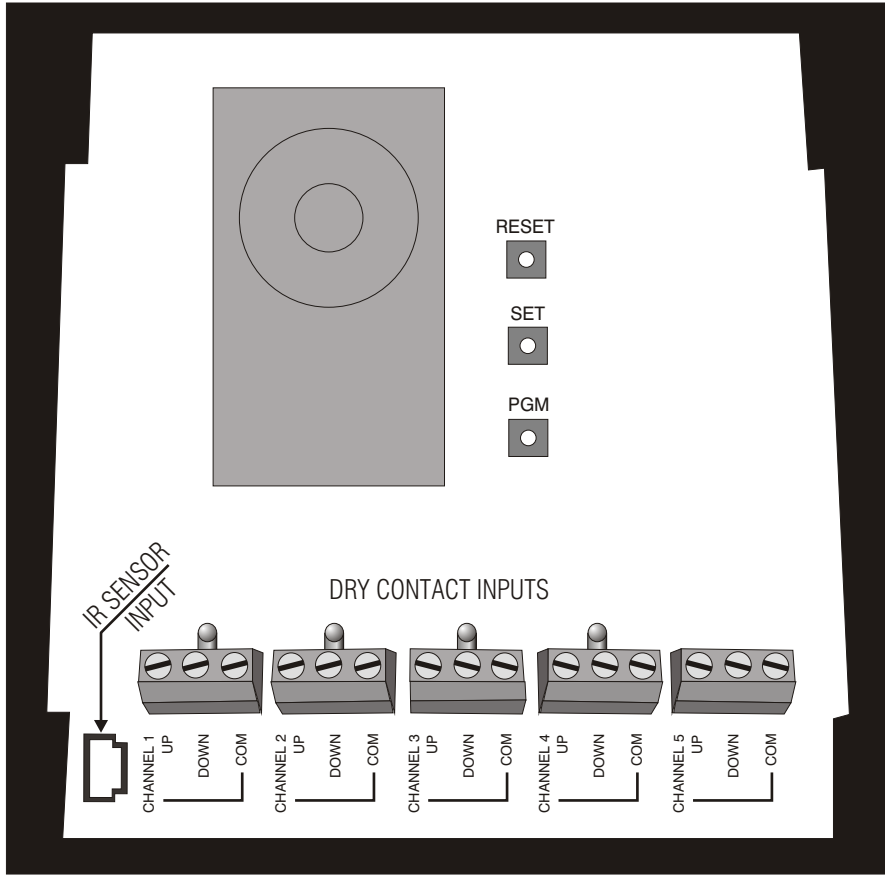
5 CHANNEL RTS INTERFACE for IR, RS232 & DRY CONTACT INPUTS

Operating Instructions

DESCRIPTION

The 5 Channel RTS Interface (Catalog 6300554) can be used to communicate between home automation or other third party systems and SOMFY's RTS Motors and controls. It is capable of individual or group control, and can be operated via infrared remote, RS232 serial communication or dry contact inputs. Once an input is activated, an RTS radio command is sent to the automated window treatment.

CONNECTION DIAGRAM



OPERATION

A. INITIAL SETUP

1. Connect a 9v DC transformer (included) to the plug on the top of the control box. The bottom LED will light to indicate power.
2. Be careful not to mount or enclose Interface on or in metal, as this may effect radio reception.
3. Set the RTS Receiver or motor into its Programming Mode. Refer to the installation instructions of the relevant RTS receiver or motor for this procedure. **NOTE: for initial programming provide power only to the motor or control being programmed.**
4. Select the channel to be memorized by pressing the SET button on the RTS Interface until the corresponding LED blinks. Briefly press the programming (PGM) button (1 sec. max). Channel 5 is indicated by all LED's blinking.
5. The RTS Receiver or motor will respond in its appropriate manor, as outlined in the specific operating instructions.
6. Repeat the steps above for each channel or product to be memorized.

B. DRY CONTACT INPUTS

1. Wire dry-contact relay outputs to the indicated terminals at the bottom of the RTS Interface control box.
2. To activate an UP command, a minimum 0.5 second closure is required between the UP and COM terminals. The top LED on the top of the control box will blink to indicate signal is sent.
3. To activate a DOWN command, a minimum 0.5 second closure is required between the DOWN and COM terminals.
4. To activate a STOP command, a closure is required between all three terminals.
5. **NOTE:** There needs to be a 1.5 second delay between successive commands.

C. INFRARED OPERATION

1. The RTS Interface is compatible with Somfy's Single & 8 Channel transmitters. Connect an infrared sensor to the indicated terminal on the bottom of the Interface control board.
2. Each individual motor is activated by first aiming the transmitter at the sensor and pressing the desired unit number on the transmitter and then pressing the UP or DOWN buttons. Press the center button to STOP the window treatment at any time.
3. **NOTE:** There needs to be a 1.5 second delay between successive directional commands or address ranges.

D. RS232 OPERATION

1. The Somfy RS232 interface uses the following communications settings: **1200 Baud, 8 Data Bits, 1 Stop Bit, No Parity**
2. The commands are as follows: (Case sensitive, ASCII)

U1	S1	D1	UP, STOP and DOWN commands for Unit 1
U2	S2	D2	UP, STOP and DOWN commands for Unit 2
U3	S3	D3	UP, STOP and DOWN commands for Unit 3
U4	S4	D4	UP, STOP and DOWN commands for Unit 4
U5	S5	D5	UP, STOP and DOWN commands for Unit 5
3. **NOTE:** There needs to be a 1.5 second delay between successive commands.

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