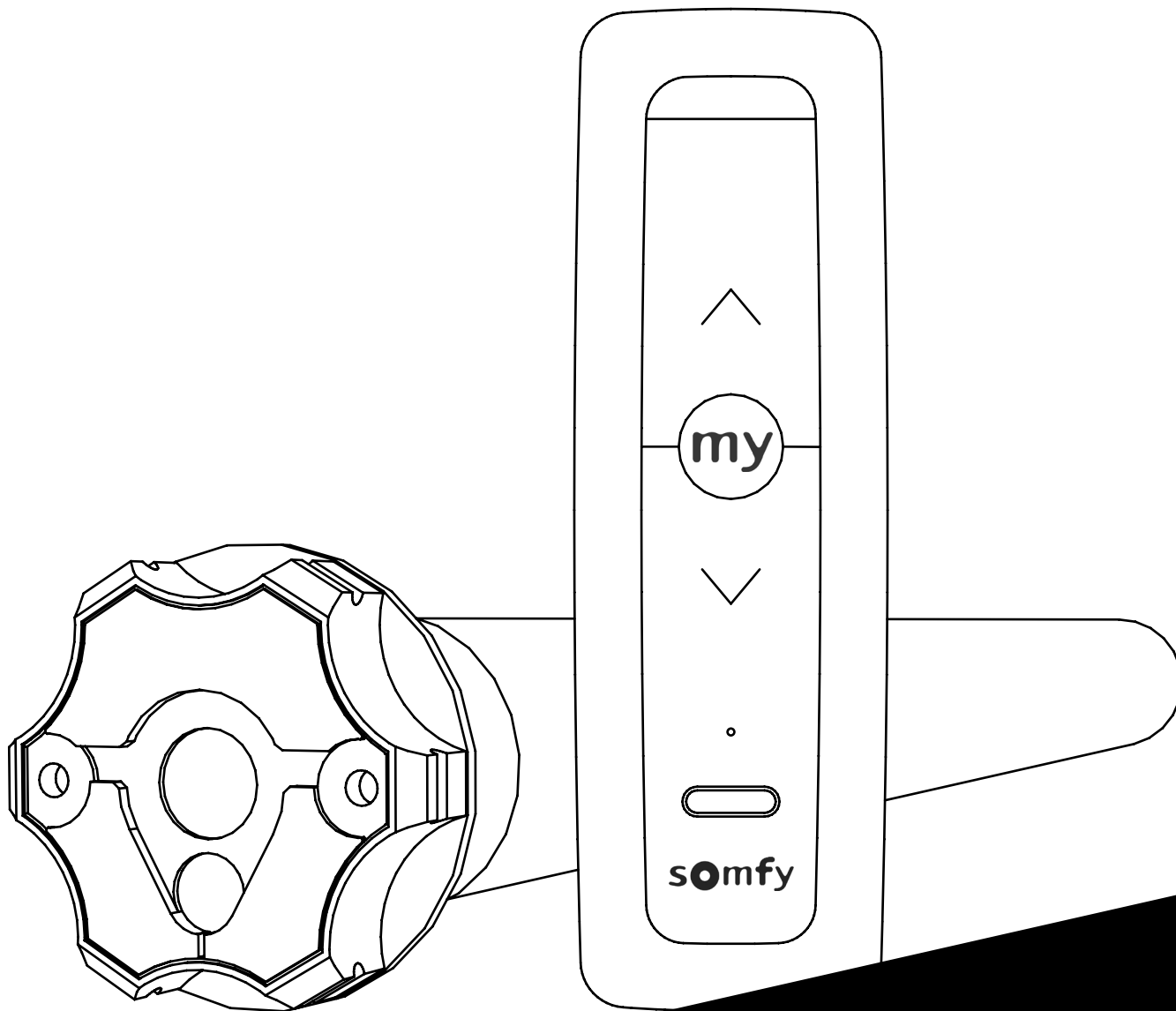




**RTS CMO MOTOR**  
**RADIO FREQUENCY CONTROLLED WITH**  
**CRANK MANUAL OVERRIDE**  
**Wiring Diagram and Limit Setting Instructions**



**DEALER INFORMATION**

**WIRING & LIMITS INSTRUCTIONS**



# 1 INSTALLATION INFO & WIRING

## INSTALLATION INDEX

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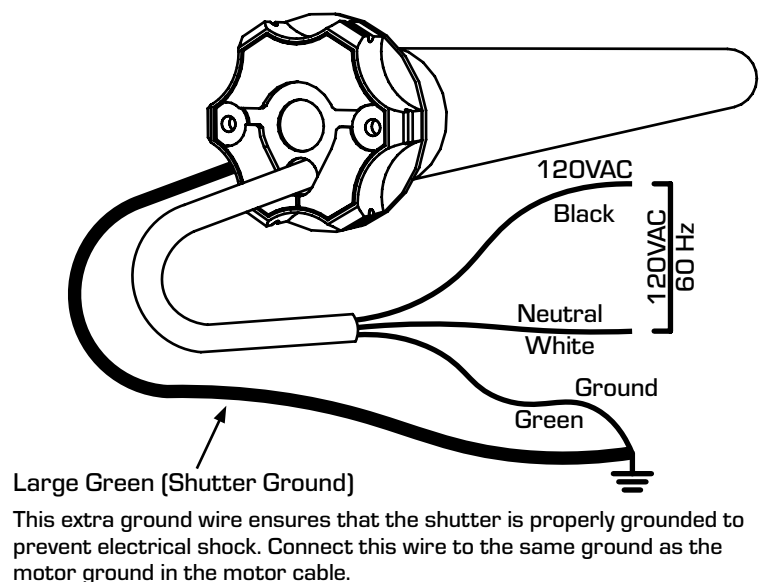
## INSTALLATION REQUIREMENTS

1. If the installation is made up of several RTS motors, only one RTS motor can be powered on during the programming; all other motors must be disconnected from power supply. This will avoid interferences during the initial programming of each motor.
2. The mounting distance between 2 RTS motor heads should not be less than 19 inches, to avoid possible interferences.
3. Use only fact approved radio controls and accessories.
4. In order to avoid water penetration, form a "drip loop" with the power cable.
5. Our motors conform to IP44 requirements and as such must be protected against direct weather elements such as rain and sleet.

## WIRING DIAGRAM AND POWER SUPPLY INFORMATION

Power Supply: 120 VAC / 60 Hz

- For installation by a qualified electrician in accordance with national and local electrical codes, and the following instructions.
- Risk of electrical shock. Disconnect power before installing. Never wire energized components.
- Only RTS motors can be wired in parallel. A means of disconnecting the power at each motor independantly should be provided.
- Power only needs to be supplied to the motor. The receiver is completely contained inside the motor tube.
- Motor warranty is subject to cancellation if wiring recommendations are not followed.



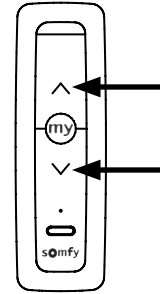
# LIMIT SETTING INSTRUCTIONS **2**

## **AUTO SET BOTH LIMITS - There must be a bottom stop (sill or floor)**

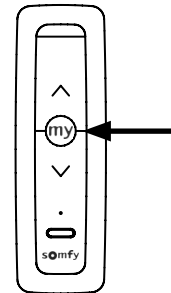
1. Wake the motor by pressing the UP and DOWN buttons simultaneously until the motor jogs.

### **Note:**

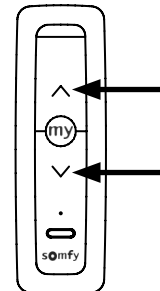
After every command the motor will jog to confirm (brief up and down motion).



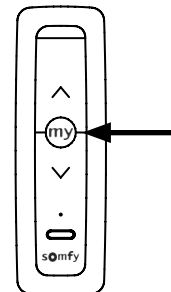
2. Check the direction of rotation with the UP or DOWN button. If needed, change the direction of rotation by pressing and holding the MY button until the motor jogs.



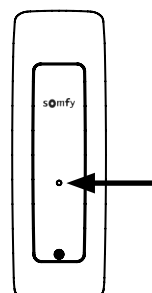
3. Press the UP and DOWN buttons simultaneously until the motor jogs.



4. Press and hold the MY button until the motor jogs to confirm the limit setting.



5. Press and hold the PROGRAM button on the back of the transmitter until the motor jogs. The buttons no longer have to be held for the motor to run. The motor will auto detect the non-set limit from the physical stop.



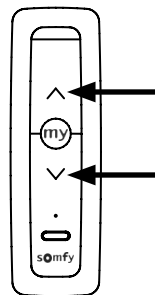
# 2

## TOP LIMIT SET BE USER, BOTTOM LIMIT AUTO SET - There must be a bottom stop

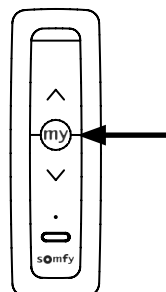
1. Wake the motor by pressing the UP and DOWN buttons simultaneously until the motor jogs.

### Note:

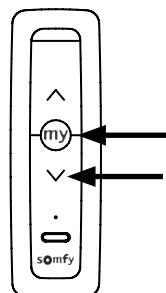
After every command the motor will jog to confirm (brief up and down motion).



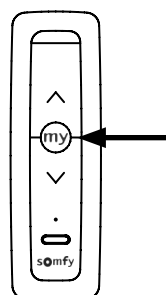
2. Check the direction of rotation with the UP or DOWN button. If needed, change the direction of rotation by pressing and holding the MY button until the motor jogs.



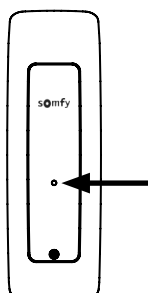
3. Run the motor to the desired upper limit. Press the MY and DOWN buttons simultaneously until the motor starts to run downward. Use the MY button to stop the motor.



4. Press and hold the MY button until the motor jogs to confirm the limit setting.



5. Press and hold the PROGRAM button on the back of the transmitter until the motor jogs. The buttons no longer have to be held for the motor to run. The motor will auto detect the non-set limit from the physical stop.

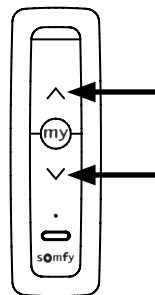


## BOTTOM LIMIT SET BE USER, TOP LIMIT AUTO SET - There must be a bottom stop

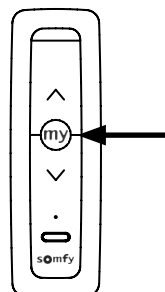
1. Wake the motor by pressing the UP and DOWN buttons simultaneously until the motor jogs.

### Note:

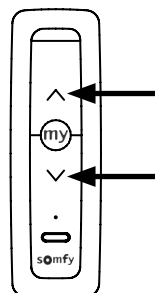
After every command the motor will jog to confirm (brief up and down motion).



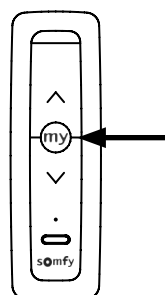
2. Check the direction of rotation with the UP or DOWN button. If needed, change the direction of rotation by pressing and holding the MY button until the motor jogs.



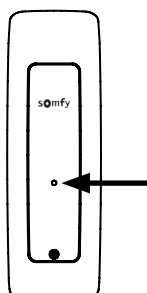
3. Run the motor to the desired lower limit. Press the MY and UP buttons simultaneously until the motor starts to run upward. Use the MY button to stop the motor.



4. Press and hold the MY button until the motor jogs to confirm the limit setting.



5. Press and hold the PROGRAM button on the back of the transmitter until the motor jogs. The buttons no longer have to be held for the motor to run. The motor will auto detect the non-set limit from the physical stop.



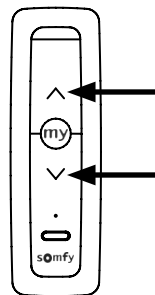
# 2

## BOTH LIMITS SET BY USER

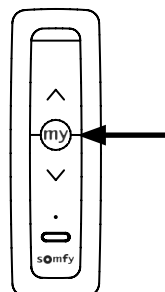
1. Wake the motor by pressing the UP and DOWN buttons simultaneously until the motor jogs.

### Note:

After every command the motor will jog to confirm (brief up and down motion).

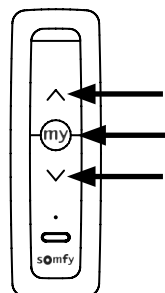


2. Check the direction of rotation with the UP or DOWN button. If needed, change the direction of rotation by pressing and holding the MY button until the motor jogs.

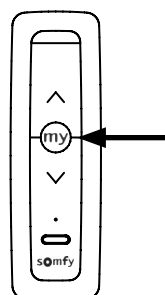


3. Run the motor to the desired upper limit. Press the MY and DOWN buttons simultaneously until the motor starts to run downward. Use the MY button to stop the motor near the desired lower limit.

Use the UP and DOWN buttons to run the motor to the exact desired lower limit. Press the MY and UP buttons simultaneously until the motor starts to run. Use the MY button to stop the motor.



4. Press and hold the MY button until the motor jogs to confirm the limit setting.



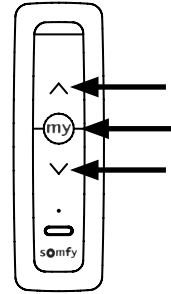
5. Press and hold the PROGRAM button on the back of the transmitter until the motor jogs. The buttons no longer have to be held for the motor to run. The motor will auto detect the non-set limit from the physical stop.

# ADDITIONAL SETTINGS **3**

## ADJUSTING THE LIMITS AFTER THE MOTOR HAS BEEN PROGRAMMED

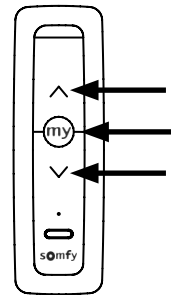
### 1. To change the upper limit:

Run the motor to its upper limit and let it stop. Press the UP and DOWN buttons simultaneously until the motor jogs. Run the motor to the new desired upper limit. Press and hold the MY button until the motor jogs. Check the new limit.



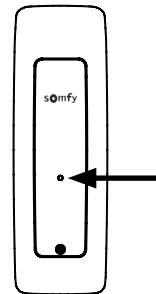
### 2. To change the lower limit:

Run the motor to its lower limit and let it stop. Press the UP and DOWN buttons simultaneously until the motor jogs. Run the motor to the new desired lower limit. Press and hold the MY button until the motor jogs. Check the new limit.



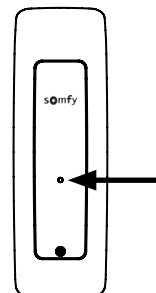
## ADDING OR DELETING A REMOTE/CHANNEL

1. Press the PROGRAMMING button on the back of an already programmed remote/channel until the motor jogs. Next, press the PROGRAMMING button on the back of the remote/channel you wish to add or delete until the motor jogs.



## RESETTING THE MOTOR TO FACTORY MODE

1. Start with the motor connected to power. Cut power for 2 seconds, reconnect power for 10 seconds, cut power for 2 seconds and then reconnect power. The motor should jog or start to run (if this does not happen, repeat the power cuts until the motor does run). Allow the motor to stop on its own (Do not press stop, up or down or you will have to repeat the double power cut). Once the motor stops on its own, press and hold the PROGRAMMING button until the motor jogs twice.



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