QUICK PROGRAMMING GUIDE FOR
MAESTRIA™ 50 RTS MOTORS

| 50mm motor diameter | Side View |

FACTORY MODE

🛑 BEFORE YOU BEGIN

Motors are shipped in FACTORY MODE without limit settings and the transmitter ID's. Power must ONLY be connected to current screen being programmed. All other screens must be disconnected from their respective power while programming.

⚠️ *Note - If motor is 120V AC hardwired and cannot be disconnected, please contact an electrician prior to calling Somfy customer service for assistance.*
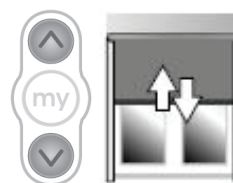
CONNECT TO POWER MODE

With the motor installed in the screen, connect power to the motor (120V AC).

While programming, screens should not be inactive for longer than 2 minutes or motor will exit PROGRAMMING MODE.

INITIATE PROGRAMMING
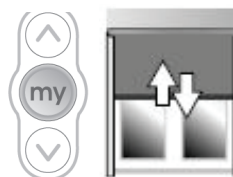**On the transmitter, press and hold both UP and DOWN simultaneously until the screen jogs.**

CHECK THE DIRECTION OF OPERATION

🛑 If hand-held transmitter direction is not properly programmed, Eolis/Soliris RTS sensor will not function in the manner it was intended. Damage to the screens and injury may occur as a result.

Check the direction of rotation by pressing UP or DOWN.
If necessary change the direction of rotation by simply pressing and holding the MY button until the screen jogs.
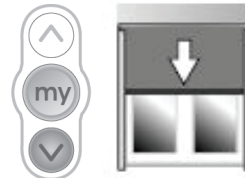
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PROGRAMMING MODE

MANUAL ADJUSTMENT OF THE UPPER END LIMIT AND THE LOWER END LIMIT
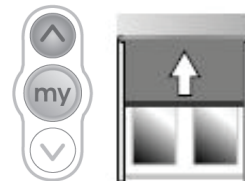
1) Position the screen at the desired UPPER Limit

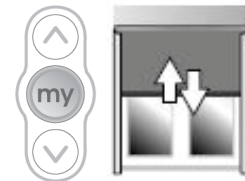2) Press MY and DOWN simultaneously: the screen lowers.

3) Position the screen at the desired LOWER Limit.

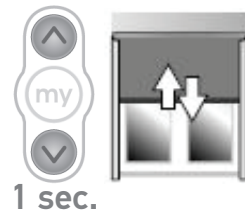4) Press MY and UP simultaneously: the screen raises.

5) Press MY until the screen jogs to validate the end limit setting.

AUTOMATIC ADJUSTMENT OF THE LIMITS

1) Bring the screen to its half-way position.

2) Briefly press UP and DOWN simultaneously: the screen jogs.

1 sec.

3) Press the DOWN button: the screen lowers until it detects the LOWER Limit, performs a brief upward movement and returns to its LOWER Limit position.

4) To validate the setting, press MY until the screen jogs.

⚠️ *If the lower end limit is not set automatically after several attempts, restart the setting and perform the step on the following page.*

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MANUAL ADJUSTMENT OF THE LOWER END LIMIT AND AUTOMATIC ADJUSTMENT OF THE UPPER END LIMIT

1) Position the screen at the desired LOWER Limit.

4) Press MY and UP simultaneously: the screen raises.

5) Press MY to stop the screen.

6) Press MY until the screen jogs to validate the LOWER Limit setting.

After pressing MY, the UPPER Limit is set automatically.

MANUAL ADJUSTMENT OF THE LOWER END LIMIT AND AUTOMATIC ADJUSTMENT OF THE UPPER END LIMIT WITH AUTOMATIC CATCHING SYSTEM (LOCK SYSTEM)

⚠️ *The catching system at the lower end limit may vary depending on the driven product, but the procedure for setting the entrance/exit positions of the catches remains the same on all systems.*

1) Starting from half-way position press and hold UP and DOWN simultaneously for 5 seconds until a slow up and down movement.

5 sec.

2) Press the DOWN button: the screen lowers.

3) Press the MY button to stop the screen at position (P1), which corresponds to the automatic catching system's entrance point.
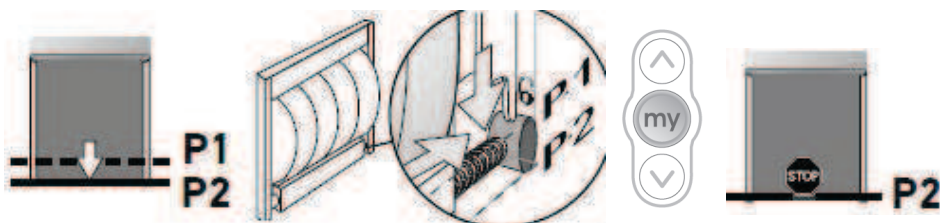
4) Press MY and UP simultaneously: the screen raises and stops, putting tension on the fabric.
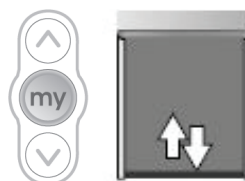
6) Press the DOWN button: the screen lowers.

7) Press the MY button to stop the screen at position (P2), which corresponds to the automatic catching system's exit point.
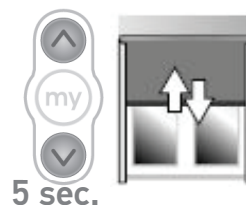

8) Press MY until the screen jogs to validate the end limit setting.

MANUAL ADJUSTMENT OF END LIMITS WITH THE AUTOMATIC CATCHING SYSTEM

⚠️ *The catching system at the lower end limit may vary depending on the screen product, but the procedure for setting the entrance/exit positions of the catches remains the same on all systems.*

1) Starting from half-way position press and hold UP and DOWN simultaneously for 5 seconds until it jogs.
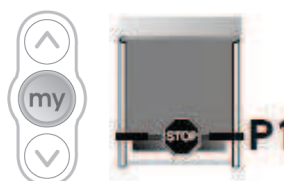

5 sec.

3) Press the UP button: the screen raises.

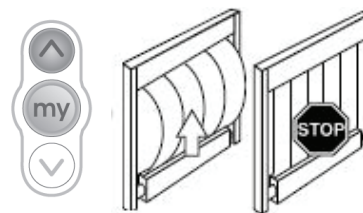4) Press MY to stop the screen at the UPPER Limit (adjust if necessary).

5) Press MY and DOWN simultaneously: the screen lowers.

6) Press the MY button to stop the screen at position (P1), which corresponds to the automatic catching system's entrance point.
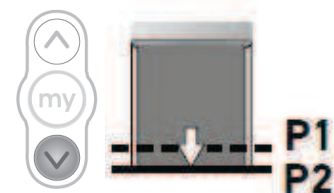

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7) Press MY and UP simultaneously:
the screen raises and stops, putting
tension on the fabric.

8) Press the DOWN button:
the screen lowers.

9) Press the MY button to stop the screen
at position (P2), which corresponds to
the automatic catching system's exit point.

10) Press MY until the screen jogs
to validate the end limit setting.

USER MODE

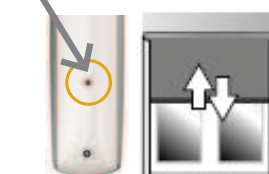ADJUSTING THE LIMITS IN USER MODE
PROGRAMMING OF A NON-PRE-PROGRAMMED CONTROL
POINT

1) Switch off the power supply (the pre-programmed transmitter is
deleted).

2) Switch the main power supply back on. The screen jogs.

3) Simultaneously press the UP and DOWN
buttons of the control to be programmed
until the screen jogs.

4) Briefly press the PROG button of this control:
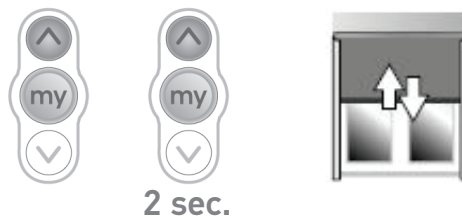the screen jogs; the control is programmed.

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OBSTACLE DETECTION

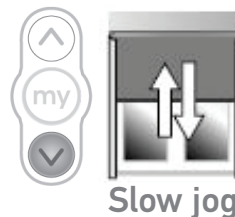### CHOICE OF THE LEVEL OF DETECTION

⚠️ *This function gives the possibility to adjust the obstacle detection during the downward movement to deactivate it or adjust the sensitivity.*

1) Starting from the screen in half-way position, press MY and UP briefly and again MY and UP for 2 seconds. The screen jogs.
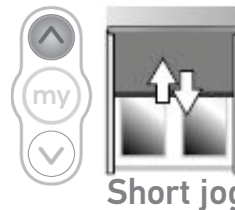
2 sec.

2) Within 10 seconds press UP or DOWN to change the level of detection. (without feedback within 10 seconds the actuator goes back to USER MODE. Go back to Step 1.)
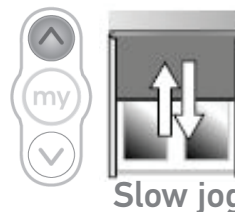
ESD level 0: the obstacle detection is more sensitive. The screen moves up and down slowly.

Slow jog

ESD level 1: (DEFAULT) - the obstacle detection is reliable on most zip screens. The screen jogs.

Short jog

ESD level 2: the obstacle detection is deactivated. The screens moves up and down slowly.

Slow jog

3) Press MY for 2 seconds to validate the setting.

The screen jogs.

2 sec.