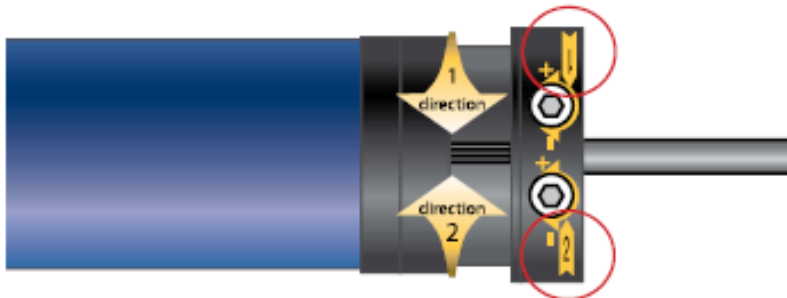# WT Motor Hardwired
Limit Setting
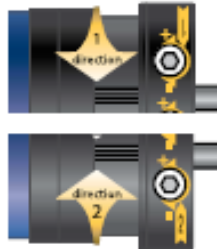
1. Identifying the Correct Limit Adjuster

INFORMATION:
The LS40 motor is supplied preset with 3 tube revolutions between limits

Identify the limit adjuster which corresponds to the rotational direction

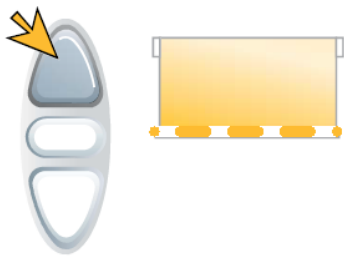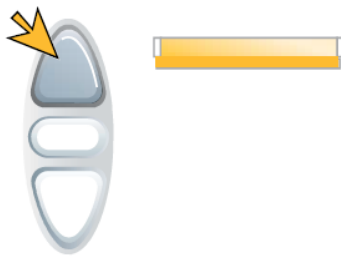|		
Motor RH side		Direction 1 = DOWN
Fabric/shutter rolling from the front		Direction 2 = UP
Motor RH side		Direction 1 = UP
Fabric/shutter rolling from the rear		Direction 2 = DOWN
Motor LH side		Direction 1 = DOWN
Fabric/shutter rolling from the rear		Direction 2 = UP
Motor LH side		Direction 1 = UP
Fabric/shutter rolling from the front		Direction 2 = DOWN

somfy.

Note: It is advised not to use a drill to set progressive limit settings

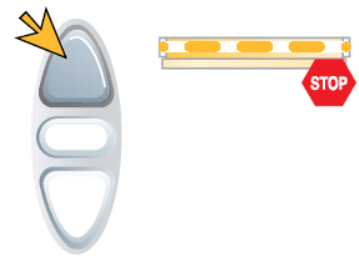## 2. Top Limit Position - 3 Potential Scenarios

The motor stops short

❌ Go to step 3

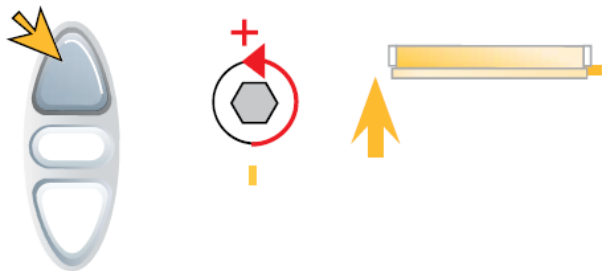The motor stops at the correct position

✅ Go to step 5

The motor runs past the limit

❌ Go to step 4

3. Increase the Limit Range at the Top Limit Position while giving an Up Command

Adjust the corresponding limit adjuster in the '+' direction to increase the limit range. A large limit range distance will require many turns on the limit adjuster. A small limit range distance will require minor limit adjustment.

✅ Go to step 5

4. Decrease the Limit Range at the Top Limit Position

Give a down command to send the motor to approx 300mm from the desired top limit. Turn the corresponding limit adjuster in a clockwise direction (towards '-') for approx. 20 turns. give the up command. If the motor does not stop before the desired limit then repeat until the limit is found.
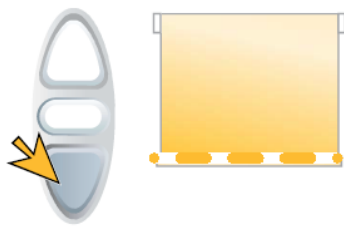
Power the motor downwards then reduce the limit range

Test the range reduction by powering the motor up. Repeat the process if more reduction is required.

✅ Go to step 3

somfy.

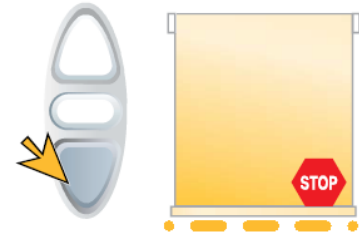## 5. Bottom Limit Position - 3 Potential Scenarios

The motor stops short

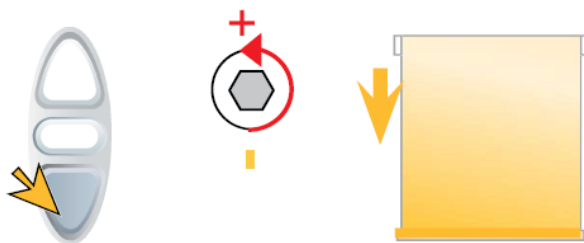Go to step 6

The motor stops at
the correct position

✔ Go to step 8

The motor runs past the limit

Go to step 7

6. Increase the Limit Range at the Bottom Limit Position while giving a Down Command

Adjust the corresponding limit adjuster in the '+' direction to increase the limit range. A large limit range distance will require many turns on the limit adjuster. A small limit range distance will require minor limit adjustment.

✔ Go to step 8

7. Decrease the Limit Range at the Bottom Limit Position

Give an up command to send the motor to approx 300mm from the desired bottom limit. Turn the corresponding limit adjuster in a clockwise direction (towards '-') for approx. 20 turns. Give the down command. If the motor does not stop before the desired limit then repeat until the limit is found.

Power the motor upwards then
reduce the limit range

Test range reduction by powering the motor down
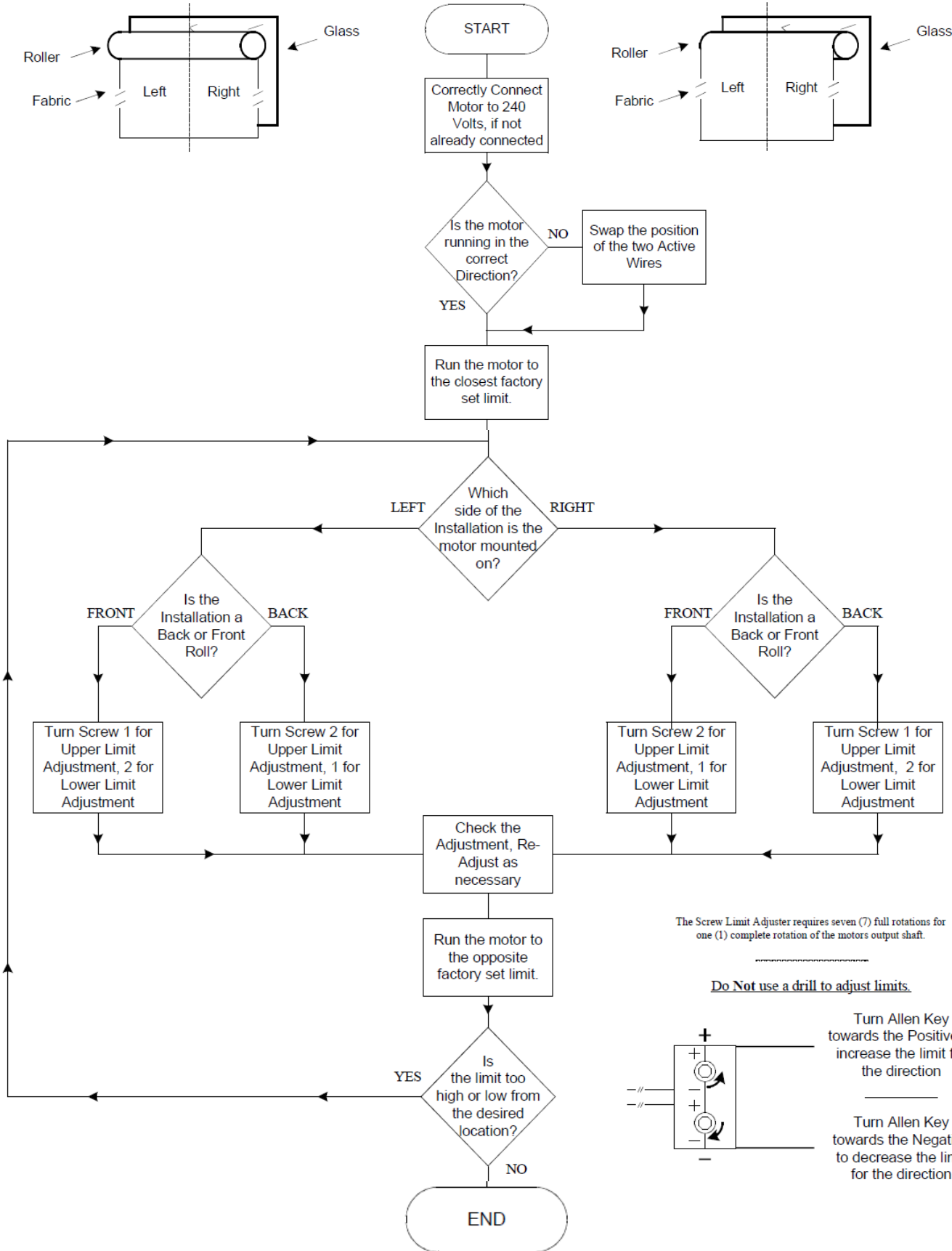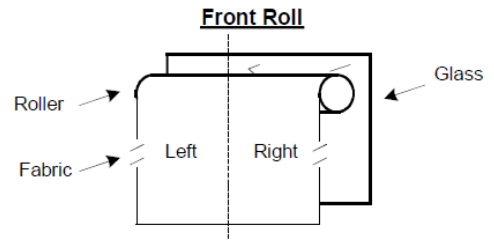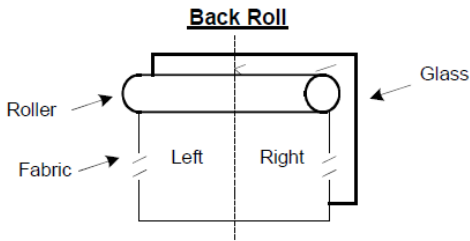Repeat process if more reduction is required
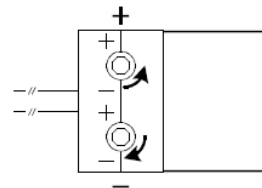
✔ Go to step 6

8. Test the Limit

✔ The limits are now set

somfy.

Flowchart for Limit Setting

Back Roll

Roller →

Glass ←

Fabric → | Left | Right |

Front Roll

Roller →

Glass ←

Fabric → | Left | Right |

START

Correctly Connect Motor to 240 Volts, if not already connected

Is the motor running in the correct Direction? —NO→ Swap the position of the two Active Wires

YES

Run the motor to the closest factory set limit.

Which side of the Installation is the motor mounted on?

LEFT / RIGHT

LEFT: Is the Installation a Back or Front Roll?

FRONT → Turn Screw 1 for Upper Limit Adjustment, 2 for Lower Limit Adjustment

BACK → Turn Screw 2 for Upper Limit Adjustment, 1 for Lower Limit Adjustment

RIGHT: Is the Installation a Back or Front Roll?

FRONT → Turn Screw 2 for Upper Limit Adjustment, 1 for Lower Limit Adjustment

BACK → Turn Screw 1 for Upper Limit Adjustment, 2 for Lower Limit Adjustment

Check the Adjustment, Re-Adjust as necessary

Run the motor to the opposite factory set limit.

Is the limit too high or low from the desired location?

YES / NO

END

The Screw Limit Adjuster requires seven (7) full rotations for one (1) complete rotation of the motors output shaft.

Do Not use a drill to adjust limits.

Turn Allen Key towards the Positive to increase the limit for the direction

Turn Allen Key towards the Negative to decrease the limit for the direction

somfy.