

# INSTALLATION GUIDE J4WT SOMFY

## 1 General information

Please read this installation guide carefully and in full in order to use the product's functionalities to their full extent. Somfy refuses to accept any responsibility for any faults and damage incurred by failure to adhere to the installation guide (incorrect usage, incorrect installation, handling error etc.).

The J4WT motor (electronic up/down setting) is designed for the electric control of the external venetian blind. The upper and lower end limits are adjusted via setting cable. The upper end limit can also be cut off by the mushroom (supplied).

### 1.1 General safety advice

**! It is important to follow these instructions for the safety of all persons. Any incorrect fitting can lead to serious injury. You must retain the safety instructions.**

- The motor, the torque and the operating time must be adjusted according to the complete installation.
- Only Somfy original accessories should be used (adapters, brackets, connectors, power supply cable etc.).
- Fitting, testing, commissioning and repair of the installation must only be carried out by qualified personnel.
- Correct operation of the installation is only guaranteed if the installation and assembly have been carried out according to best practices, if the power supply is adequate and if maintenance is carried out.
- The moving parts of the motors must be protected if operating at 2.50 m from the ground or at another height.
- The installation must not be used if it shows any signs of damage (for example wear, damaged cables and springs or ill adjusted end limits).
- The installation must be protected from all unauthorised use. Take preventive measures to avoid any spurious operation.
- Children should be supervised to ensure that they do not play with the appliance. Keep the remote control out of reach of children.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Disconnect all the connection cables from the power supply before operating on the installation.
- Do not use the installation if operations (cleaning windows for example) are being carried out nearby.
- Observe the assembly and use guidelines, in particular the safety instructions of the manufacturer of the device to be used.

Subject to technical modifications.

### 1.2 Declaration of conformity

A declaration of conformity is available at [www.somfy.com/ce](http://www.somfy.com/ce).



## 1.3 Technical data

Supply voltage/frequency:	230 V/ 50 Hz
Power consumption:	0,4 A (6 Nm) 0,65 A (10 Nm) 1 A (18 Nm)
Rotation speed:	24 rpm
Maximum number of revolutions:	60 rotations
Continuous operation time:	KB 6 min
Temperature range:	from 0°C to +40°C
Level of security:	IP54

## 1.4 Electrical connection



### Danger!

**Live electrical cables → Danger of electrical shock if contact made**  
 ✗ **Disconnect all the power supply cables!**  
 ✗ **Take preventive measures to avoid any spurious operation!**

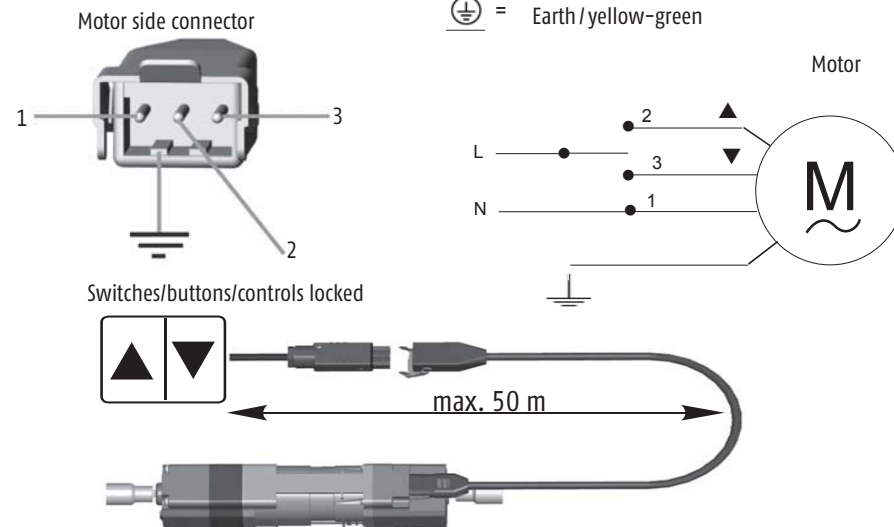


**This Somfy product must be fitted by a technically qualified individual, to whom this guide is addressed. The professionally qualified individual must observe all the norms and legal provisions in force in the country of use.**



**It is necessary to allow disconnection of the appliance from the supply after installation. The disconnection may be achieved by having the plug accessible.**

L = Live	1 = N neutral / blue
N = Neutral	2 = Up / black
⊕ = Earth	3 = Down / brown
	⊕ = Earth / yellow-green



**⚠ The motor can be connected in parallel (max. 3 motors, total cable length max. 50 m). Take care to connect the live (up and down), neutral and earth wires correctly.**

**⚠ The motor mustn't operated at a regulating isolation transformer.**

## 2 Adjusting the end limits

Factory setting: The motor is supplied in lower end limit position with 120 rotations to the upper end limit.

### 2.1 Upper end limit

- Connect the Setting Cable.
- Push both buttons (Up & Down) at the same time for 5 seconds (if double push button used) or press on WT button of Setting Cable for 5 seconds.
- Motor turns briefly in Up direction.
- Push the Up button.
- Motor turns, stops briefly, then continues to turn in Up direction.
- Continue to press till reaching the desired Up position.  
Quit programming mode with saving of end limit:  
Press Down button, the upper end limit is stored.  
Quit programming mode without saving of end limit:  
Press shortly WT button.
- If the mushroom is pushed in adjustment mode, the position shortly below the mushroom is stored as upper end limit.



### 2.2 Lower end limit

- Connect the Setting Cable.
- Push both buttons (Up & Down) at the same time for 5 seconds (if double push button used) or press on WT button of Setting Cable for 5 seconds.
- Motor turns briefly in Up direction.
- Push the Down button.
- Motor turns, stops briefly, then continues to turn in Down direction.
- Continue to press till reaching the desired Down position.  
Quit programming mode with saving of end limit:  
Press Up button, the lower end limit is stored.  
Quit programming mode without saving of end limit:  
Press shortly WT button.



### 2.3 Limit setting without Setting Cable

- End product has to be positioned between the upper and the lower end limit.
- Push briefly the Down button.
- Wait 5 seconds, then push the mushroom together with the Up or Down button at the same time for 5 seconds.
- Motor turns briefly in Up direction.
- Continue as described in point 3.1 or 3.2 (push the Up/Down button).

## 3 Factory mode and trouble shooting

### 3.1 Factory mode

#### Back to factory mode

- Connect the setting cable.
- Push both buttons (Up & Down) at the same time for 15 seconds (if double push button used) or press on WT button of setting cable for 15 seconds.
- Motor turns briefly two times.
- The current position of the venetian blind is stored as lower end limit.
- The upper end limit is 120 motor rotations above the lower end limit.

### 3.2 Trouble shooting

#### Motor does not turn

Check:

- The wiring of the motor.
- If the motor is overheated (wait for cool down of the motor).
- If the appropriate cables are used.