BREL HOME

INSTALLATION MANUAL

Juno motoren

This manual is suitable for the following motor types:

- BJE24TD
- BJE24TR

Please read this manual carefully before starting the installation.
Failure to follow the instructions may result in defects that are not covered by the warranty.

Visit our website www.brel-home.com

Scan the QR code to view the manual and installation videos.

Content

Warnings	2
Wiring	3
Installation and charging of the motor	3
Operation via the BREL HOME app	3
Technical data – Juno motors	4
Handheld transmitter functions	4
Initial installation of the motor	5
Changing settings	7
Functions of the P1 button	11

Warnings

Declaration of Conformity

This product complies with the essential requirements of the following European directives:

Radio Equipment Directive (RED) 2014/53/EU Complies with the requirements for radio communication, including safety, health, and efficient use of the radio spectrum.

Electromagnetic Compatibility Directive (EMC) 2014/30/EU Complies with the standards for electromagnetic emissions and immunity to prevent interference.

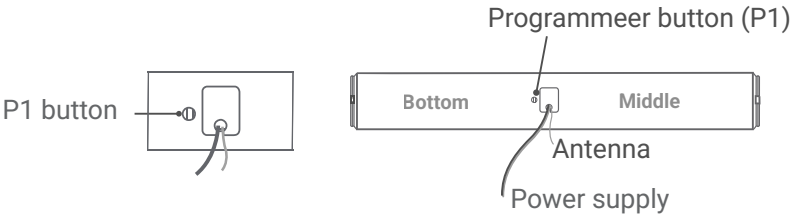
Restriction of Hazardous Substances Directive (RoHS) 2011/65/EU Complies with the regulations concerning the use of hazardous substances.

Machinery Directive (MD) 2006/42/EC Complies with the safety requirements for the design and manufacture of machinery, including mechanical and electrical safety.

Note: This document is a summary. Please refer to the full Declaration of Conformity for detailed information.



Wiring



Installation and charging of the motor

This installation is usually already carried out at the factory.

The motor has a Middle motor (for the intermediate profile) and a Bottom motor (for the bottom profile). Ensure that the correct side of the motor is connected to the correct profile. If this is not done correctly, the motor will not operate properly.

The motor must be charged using an external 12 V battery (DC-1201, DC-1277, DC-1278, DC-1329 or DC-1330) or using a transformer (DC-201, DC-202, DC-203, DC-232W or DC-233W).

Operation via the BREL HOME app

The Juno motors can be operated via a mobile phone in combination with a Home Box. Home Box Mini is a USB WiFi dongle.

Home Box Duo is suitable for WiFi and RS485, supporting mono- and bi-directional communication Home Box Ultra supports WiFi and UTP/PoE.





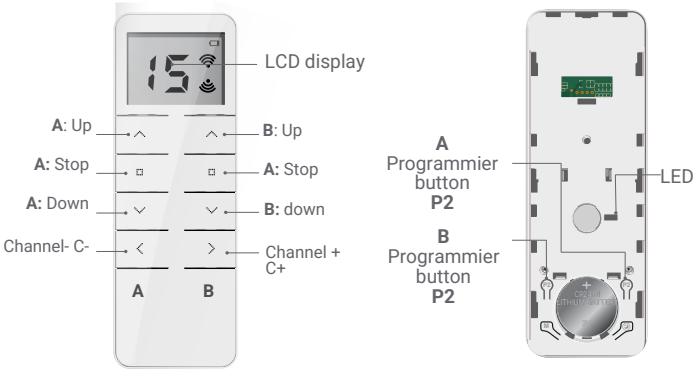
Technical data of the motor

	BJE24TD	BJE24TR
Connector	JST male	JST male
Rated voltage	12V	12V
Charging voltage	12V	12V
Power	8W	8W
Current	0.63A	0.63A
Torque (Nm)	0.6	0.6
Speed (rpm)	34	34
Motor length (mm)	320	320
Motor diameter (mm)	24	24
Motor head diameter (mm)	24	24
Antenna length (mm)	170	170
Cable length (mm)	350	350

The following specifications apply to all Juno motors:

Frequency	433 MHz
Range	up to 25 m indoors / up to 100 m outdoors
Capacity	max. 10 channels or transmitters
IP rating	IP20
Operating temperature	-10°C tot +85°C

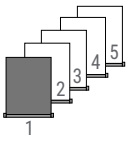
Handheld transmitter functions



There are two P2 buttons: P2 button A refers to operating side A, P2 button B refers to operating side B Side A is the programming side.

Programming the first remote control / channel

The remote control can store up to 15 channels and can therefore control multiple motors. First select the desired channel for the relevant product/motor. One motor per channel is recommended.



The remote control has channel 0. All motors programmed to channels 1–15 are automatically stored on channel 0..

If the motor moves in the opposite direction, the wrong channel has been programmed. In this case, reset to factory settings.

▶ Select the desired channel

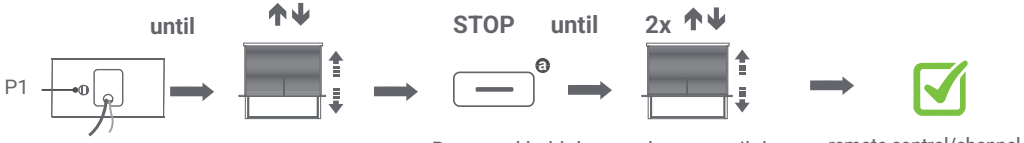
Step 1 Establish the connection

If programming is not started within 10 seconds, the motor will exit programming mode.

During programming, keep the button pressed.

The motor will move after each step with a short movement.

If a procedure does not go as expected, wait 20 seconds and start again. (↕)



Press and hold the P1 button until the motor moves up or down.

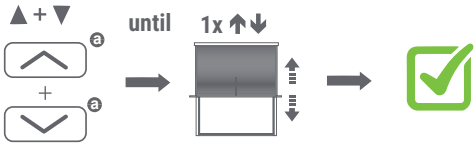
Press and hold the stop button until the motor moves up and down twice.

remote control/channel has been added

If NO end positions have been set, the motor will move in pulse mode. Proceed to step 3. If end positions have been set, check the end positions. If correct, proceed to step 5. Warning: If the end positions are incorrect, proceed to option A.

Step 2 Reverse the direction of rotation (only if it is incorrect)

Only possible if no end positions have been set



Press the UP and DOWN buttons simultaneously until the motor moves up or down.

The direction of rotation of the motor has been adjusted.

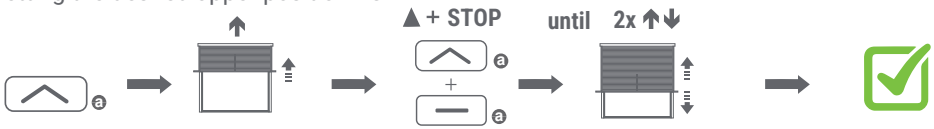
If there is no response, check whether the handheld transmitter is blocked.

Step 3 Setting the end position

To move the motor one step: briefly press the UP or DOWN button.

To move the motor continuously: press the UP or DOWN button for 3 seconds (CAUTION! Press STOP in time).

Setting the desired upper position **BJE24TD**

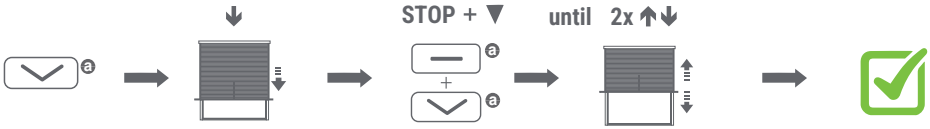


Use the control buttons to move the top bar and middle bar to the desired top position. Please note: this also determines the distance of the package.

Press the up and stop buttons simultaneously until the motor moves up and

The top position has been set.

Setting the desired lower position **BJE24TD**



Use the control buttons to first move the bottom rail to the desired lower position. Press the right-hand button down for 3 seconds to lower the intermediate profile. It will stop automatically.

Press the stop and down buttons simultaneously until the motor moves up and down twice.

The bottom position is set

Setting the desired upper position **BJE24TR**

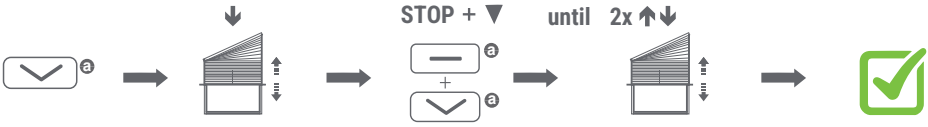


Use the control buttons to move the middle slat and bottom slat to the desired upper position.

Press the up and stop buttons simultaneously until the motor moves up and down twice.

The upper position has been set.

Setting the desired lower position **BJE24TR**



Use the control buttons to position the middle bar horizontally and the bottom bar in the desired lower position.

Press the stop and down buttons simultaneously until the motor moves up and down twice.

The lower position is set

The motor is now ready for use.

If you are not satisfied with the set end positions, proceed to option A, **or to Resetting the motor.**

Change settings

Adjusting the top position

If adjustment is not possible, check the lock function or reset the motor.

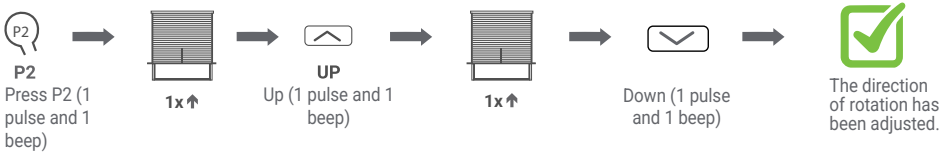


Adjusting the bottom position

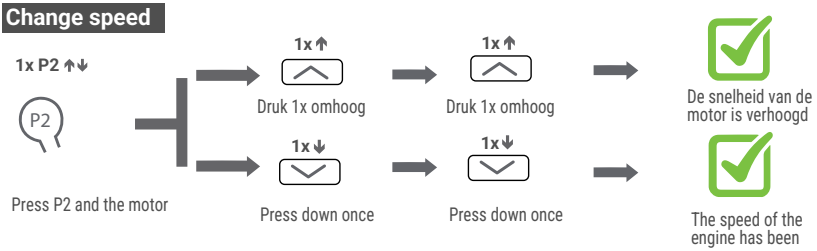
If adjustment is not possible, check the lock function or reset the motor.



Change direction of rotation



Change speed

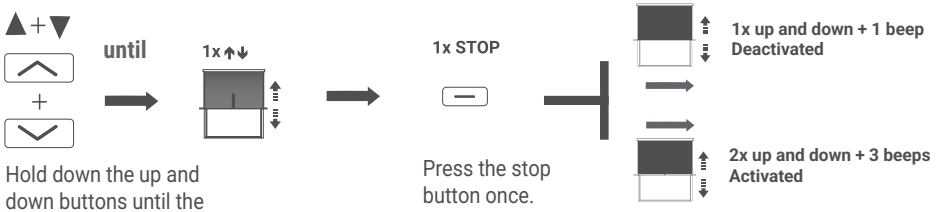


The motor is set to the highest speed and the slow stop is activated.

To deactivate the slow stop, the motor must first be set to the lowest speed. Because the motor is set to the highest speed, you must first reduce the speed twice to set the motor to the lowest speed. Then reduce the speed once more to deactivate the slow stop. To reactivate the slow stop, increase the speed twice until the motor is at the highest speed. Then increase the speed once more to activate the slow stop.

Change settings

Pulse mode



Hold down the up and down buttons until the motor starts/stops.

Press the stop button once.

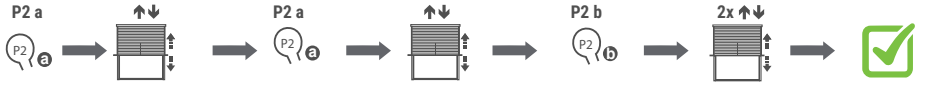
Registering an additional remote control/channel

Only possible if the end positions are set

a = *Existing remote control/channel*

b = *New remote control/channel*

Via the existing transmitter



Press the P2 of A button. The motor moves

Press the P2 of A button. The motor moves up/down.

Press the P2 button on B. The motor moves up/down.

Remote control/channel b has been added

Start at the transmitter or channel to which the motor is programmed.

To remove a channel, repeat the procedure.

Via P1 button **(If the old transmitter is lost or broken)**



Press P1 until the motor moves up/down.

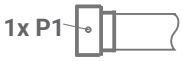
Press stop B until the motor moves up and down twice.

A new remote control/channel has been added.

Start at the transmitter or channel to which the motor is programmed.

To remove a channel, repeat the procedure.

Functions of the P1 key can be used as a control button in case of emergency



The motor moves up, stops, or moves down when you press the P1 button.

Press the P1 button once briefly.

Switching off the receiver



Hold down the P1 button until the motor has moved up/down for the second time. To reactivate the receiver, press the P1 button once briefly.

The receiver is switched off.

To reactivate, briefly press P1 once.

Changing the direction of rotation



Hold down the P1 button until the motor has moved up and down three times.

The direction of rotation has been

Reset to factory settings

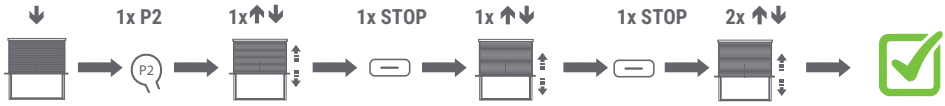


Hold down the P1 button until the motor has moved up/down for the fourth time.

Reset to factory settings

To reprogram the motor, proceed to step 1

Step 4 Setting the favourite position (if desired)



Go to the desired favourite position

Press the P2 button. The motor moves up/down.

Press the STOP button. The motor moves up/down.

Press the STOP button. The motor moves up and down twice.

- **The preferred position can be set twice for the BJE24TD.**
- **Press and hold the stop button for 3 seconds to go to the favourite position.**
- **Repeat this procedure to remove the favourite position.**

Change settings

Adjusting the top position

If adjustment is not possible, check the lock function or reset the motor.



Press and hold stop and up until the motor moves up or down.

Place the top rail and the intermediate rail

Press and hold stop and up until the motor moves up and down twice.

The top position has been adjusted.

Adjusting the bottom position

If adjustment is not possible, check the lock function or reset the motor.



Hold stop and press down until the motor moves up/down.

Place the bottom slat and the middle slat on

Press and hold stop and down until the motor moves up/down twice.

The bottom position has been adjusted.