BREL HOME

INSTALLATION MANUAL

Triton motors

This manual is suitable for the following engine types:

- BEQ35-10
- BEK45-10

Please read the manual before starting installation. Failure to follow the instructions may lead to defects which cannot be claimed under warranty.

Visit our website www.brel-home.com for more information

Scan the QR code to view the manual and instructional videos

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Warnings

Conformity Statement

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

Radio Equipment Directive (RED) 2014/53/EU: Meets radio communication requirements such as safety, health, and efficient use of the radio spectrum.

Low Voltage Directive (LVD) 2014/35/EU: Meets safety requirements for electrical equipment operating at nominal voltages between 50V and 1000V for alternating current.

Electromagnetic Compatibility (EMC) Directive 2014/30/EU: Meets electromagnetic emissions and immunity standards to prevent interference.

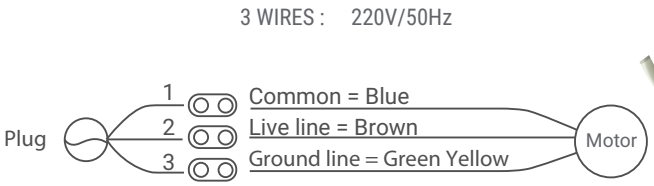
Restriction of Hazardous Substances Directive (RoHS) 2011/65/EU: Complies with the directives on the use of hazardous substances.

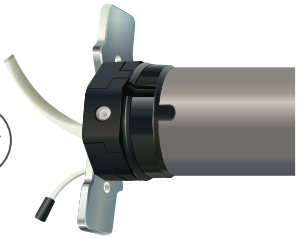
Machinery Directive (MD) 2006/42/EC: Meets safety requirements for the design and manufacture of machinery, including mechanical and electrical safety.

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



Wiring





Installing and charging the motor

This installation is usually already done at the factory.

Fit the adapter and carriage to the motor and secure the carriage with the clip.
Install the motor with the motor supports and be sure that this is tight.
Mount the motor in the tube of the blinds

Control with the BREL HOME app

The Triton motors can be controlled with your mobile phone in combination with a Home Box. The Home Box Mini is a USB WiFi dongle, Home Box Duo is a WiFi hub RS485 suitable for mono and bi-directional and the Home Box Ultra is with WiFi and UTP/PoE.

In this app, you can create time functions and scenarios. The BREL HOME app can be connected to Siri, Google Home and Alexa.





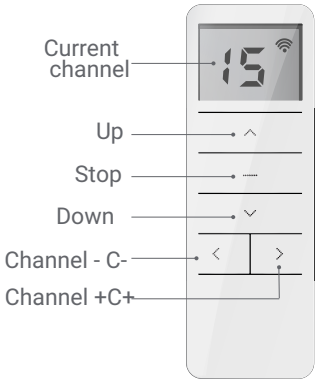
Technical data of the engine

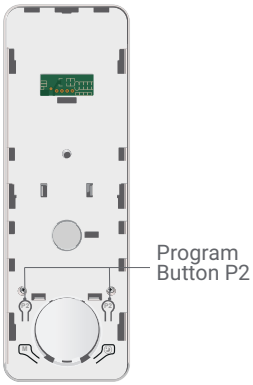
	BEQ35-10	BEK45-10
Input	3 vein	3 vein
Working voltage	230V	230V
Power	144W	113W
Amperage	0.63A	0.48A
Force (Nm)	10	10
Speed (rpm)	17	28
Motor length (mm)	580	400
Motor diameter (mm)	35	45
Motor head diameter (mm)	40	60
Antenna (mm)	170	170
Cable (mm)	5000	5000
IP value	IP44	IP44

The following specifications apply to all Triton motors:

Frequency	433 MHz
Range	25m indoor to 100m outdoor
Capacity	10 channels or transmitters
Operating temperature	-10°C to +55°C
Thermal protection	Yes

Hand-held transmitter functions

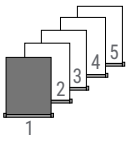




There are two P2 keys it doesn't matter which one you use

Programming the first remote control/channel

The remote control can transmit on 15 channels and thus also control multiple motors. Therefore, first choose the desired channel for the respective product/motor. Choose a free channel. We recommend 1 motor per channel.



The remote control has a channel 0. All motors programmed on channels 1-15 are automatically on channel 0.

If it turns out afterwards that you have programmed the wrong channel for a product, go to **Reset to factory settings.**

▶ **Select desired channel**

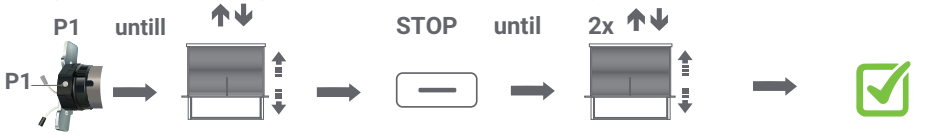
Step 1 Establishing connection

If you do not start programming within 10 seconds, the motor will exit programming mode.

During programming you must press the key briefly. If you need to hold it for a long time, this will be stated

The motor confirms each completed step with an up and down movement. (↕)

If a procedure does not go as planned, wait 20 seconds and then start again.



Hold down the P1 key until the motor moves up/down.

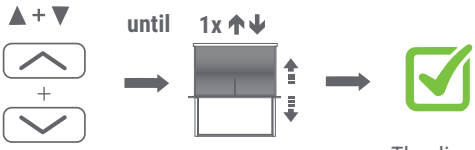
Houd de stop toets ingedrukt totdat de motor 2x op/neer beweegt.

afstandsbediening/ kanaal is toegevoegd

If NO end positions have been set, the motor will move in pulse mode. Then go to step 3.
If end positions have been set, check the end positions. If correct, go to step 5.
Warning: If the end positions are not correct, go to option A

Step 2 Reverse the direction of rotation (only if it is not correct)

Only possible if no end positions have been set



Press the UP and DOWN keys simultaneously until the motor moves up/down.

The direction of rotation of the motor has been adjusted.

If no response, check whether the transmitter is blocked.

Step 3 Setting the end position

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

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

1. Set the desired top position

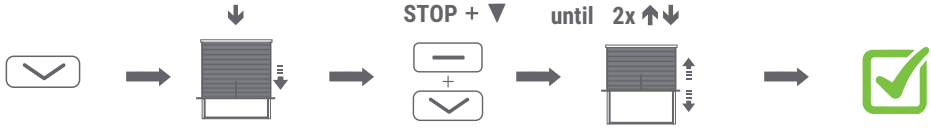


Use the control buttons to move the motor to the desired top position

Press the up and stop keys simultaneously until the motor moves up/down twice

The top position is set

2. Set the desired bottom position



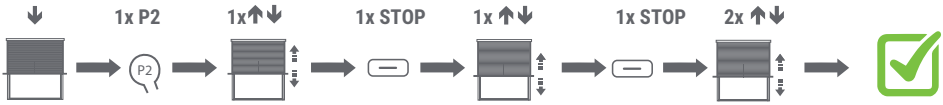
Use the control buttons to move the motor to the desired bottom position

Press the down and stop keys simultaneously until the motor moves up/down twice

The bottom position is set

The motor is now ready for use

Step 4 Setting the favorite position (if desired)



Go to the desired favorite position

Press the P2 key. The motor moves up/down

Press the STOP key. The motor moves up/down

Press the STOP key. The motor moves up/down twice

Press and hold the stop button for 3 seconds to go to the favorite position.

Repeat this procedure to delete the favorite 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/down.

Move to the new top position

Press and hold stop and up until the motor moves up/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



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

Move to the new bottom position

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

The bottom position has been adjusted

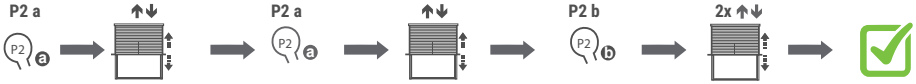
Registering an extra remote control/channel

Only possible if the end positions have been set

= Existing remote control/channel

b = New remote control/channel

Via the existing transmitter



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

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

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

Remote control/channel b has been added

Start with the transmitter or channel that the motor is programmed to

To delete a transmitter/channel repeat the procedure

Via P1 key

(If the old transmitter is lost or broken)



Hold down the P1 key until the motor moves up/down.

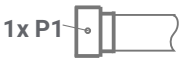
Press stop B until the motor moves up/down 2 times.

A new remote control/channel has been added

Start with the transmitter or channel that the motor is programmed to

To delete a transmitter/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 key

Press the P1 key briefly once

Turn off the receiver



Hold the P1 key until the motor has moved up/down for the 2nd time.
To activate the receiver again, briefly press P1 once

The receiver is turned off

To reactivate, briefly press P1 once.

Changing the direction of rotation



Hold the P1 key until the motor has moved up-down for the 3rd time.

The direction of rotation is reversed

Reset to factory settings



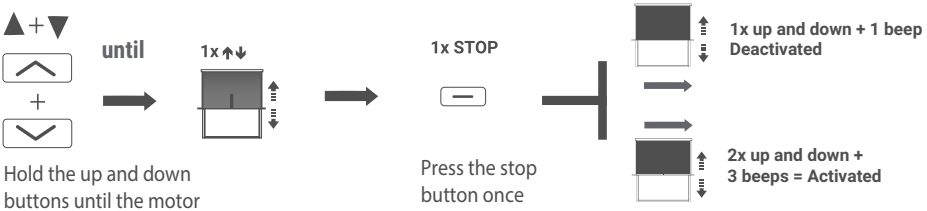
Hold the P1 key until the motor has moved up/down for the 4th time.

Reset to factory settings

To reprogram the motor go to step 1

Extra functions

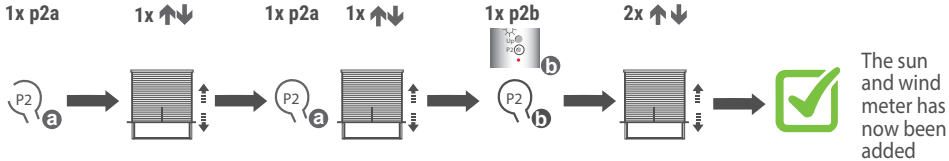
Puls mode



Hold the up and down buttons until the motor moves up/down

Press the stop button once

Sun and wind meter Add/delete



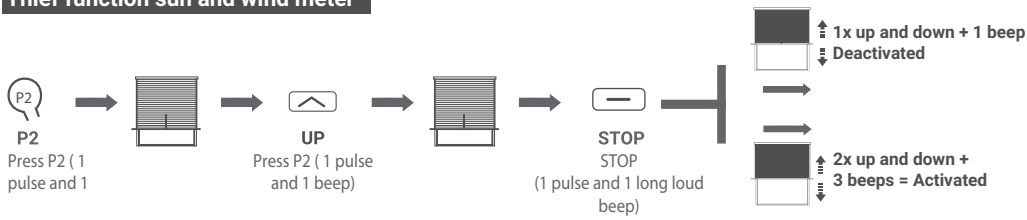
Press P2 or a. The product moves up and down 1x and beeps 1x.

Press P2 or a. The product moves up and down 1x and beeps 1x.

Press P2 or b. The product moves up and down 2x and beeps 3x.

Repeating the top step will remove the sun and wind meter.

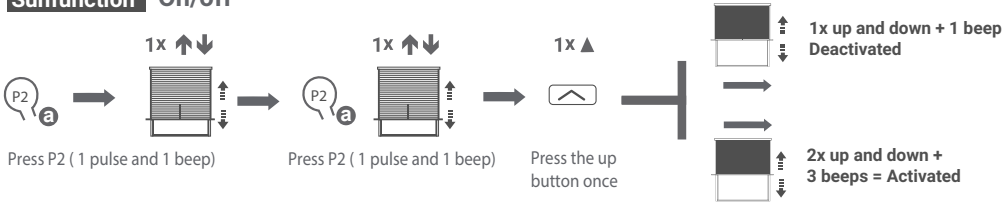
Thief function sun and wind meter



* The factory default mode is ON; once the sun and wind sensor is connected, this function is activated. This function ensures that the awning goes in if there is no contact between the sensor and the motor every 30 minutes. In the event of a sensor failure, the awning will automatically retract after 30 minutes. **Caution! When replacing, first remove the sun and wind meter from the motor's memory. If the sun and wind meter is faulty, the theft function must be switched off.**

* The motor goes into pulse mode when the motor has no contact with the sun and wind meter or if the sun and wind meter is faulty. Turn off pulse mode by following the steps on page 7.

Sunfunction On/off



Press P2 (1 pulse and 1 beep)

Press P2 (1 pulse and 1 beep)

Press the up button once

By repeating the above, you can switch the sun function on/off
TIP: Use the THW2415 handheld transmitter with sun function.