INSTALLATION MANUAL

Manual Brel Bi-Directional Rollerblind motor

BLE35-10

Read the manual before you begin the installation. If these instructions are not followed, this may lead to defects and injury in which warranty can't be claimed.

www.brel-home.com

Visit our website for more manuals and information

BLE35-10

Scan the QR code here for the manual to download & view instructional videos

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⚠️ Warning

Do not operate the motor in humid surroundings.

The motor must be protected from direct moisture influences.

The motor must be installed correctly.

BREL-Motors declares that this motor has been manufactured according to the guidelines of the CE standard 1999/5/EC

Keep the antenna in a good condition and do not shorten. The antenna should not come into contact with other metal parts otherwise it will reduce the function.
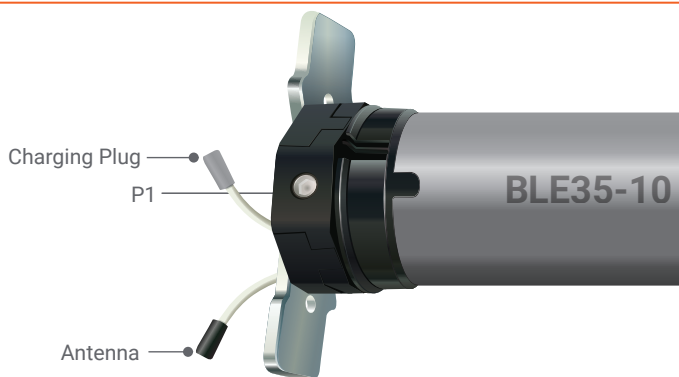
Do not allow children to play with the roller blind control unit. Keep remote controls out of reach of children. Children cannot recognize the dangers of electrical equipment and are therefore not allowed to work with it

Keep these instructions for future reference

Wiring

Charging Plug

P1

BLE35-10

Antenna

Installing the Motor

These assemblies are usually already done in the factory

Attach the crown and wheel to the motor and place the clip on the shaft of the motor so that the wheel is fixed to the motor.
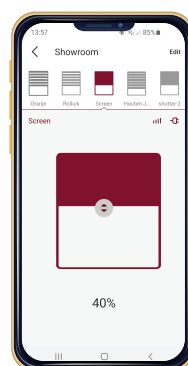
Install the motor with the motorbracket on the product and take care that it is secured.

Place the motor in the tube of the roller/shutter.

Works with BREL HOME APP
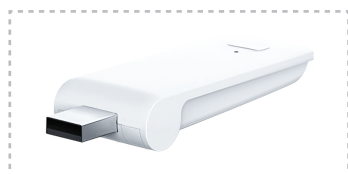
Brel-Home-USB

With the Brel-Home-USB you can control your motor with your Phone. You can make a time schedule and make scenario's. The Brel-Home-USB can be connected to Siri, Google Home and Alexa.

Technical data of the motor

	BLE35-10
Motor Voltage	DC 12V
Charge Voltage	DC 12V
Maximum Ampere Charger	2 A
Power	26 W
Torque	10 Nm
Speed	08 - 09 -10 rpm
Amperage	2.20 A
Moisture and Dust	IP 44

Storage capacity is up to 20 channels

Working temperature of the motor
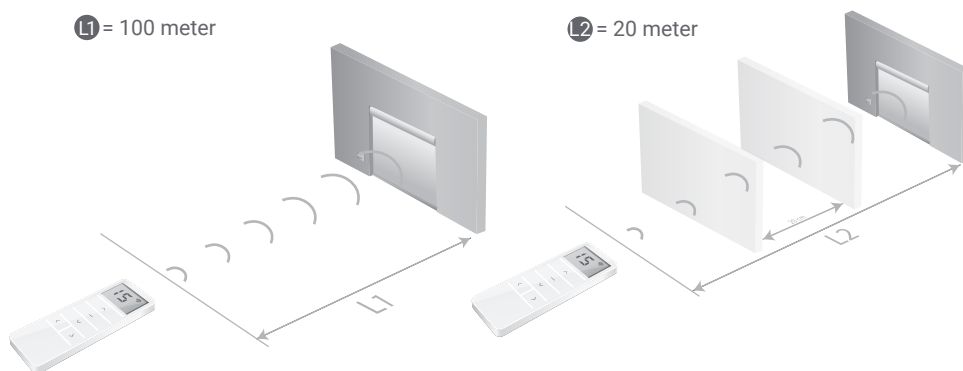
433 MHz

Heavy Use:
- 10°C tot +40°C

Normal Use:
- 20°C tot +70°C

Reach

L1 = 100 meter

L2 = 20 meter

OUTDOOR

INDOOR

Charging the motor

The motor needs to be charged with a DC-212(EU), DC-213(UK) or DC-200 (US).

When the battery is empty the motor will beep 5 times.

When charging the motor the LED will blinck red. When it is full the LED will be green continuously.

Functions Remote Control

Current Channel

Up

Stop

Down

Channel- C-

Channel+ C+

Programm Button P2
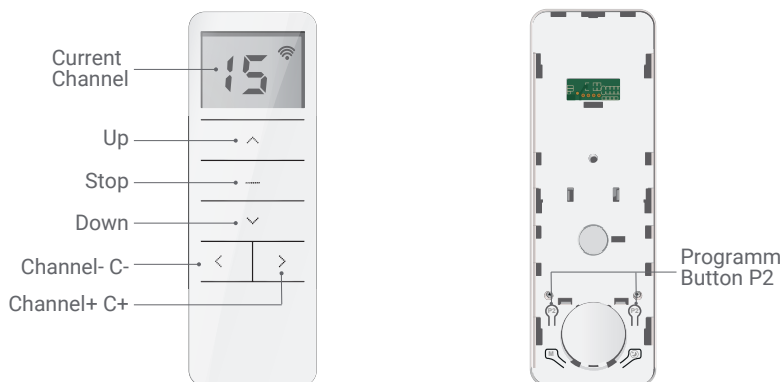
There are 2x P2 buttons, no matter which one you press.

Scan the QR code here for the manual to download & view instructional videos

BLE35-10

Step 1   Setting up the first remote/channel

The remote control can transmit 15 channels and therefore control multiple blinds.
First, select a channel for operating the relevant roller blind.
Make sure that you select a free channel (we recommend only 1 product per channel).

This remote has also channel 0. All blinds programmed in channel 1~15 are automatically programmed in this channel 0 and can be operated all at once.

In case you have selected the wrong channel, go to **Resetting factory settings**.
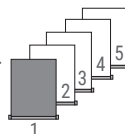
▶ **Select the desired channel.**

Step 2   Establishing connection

In the procedures described here is a maximum interval of 10 seconds to complete each subsequent action: if you wait any longer, the system will leave the edit mode.

Normally a button only needs to be pressed shortly. If you need to press and hold a button for several seconds this will be state clearly.

The system will confirm each completed step with moving the blind up and down ($\updownarrow$).

If a procedure does not play out as described, wait for 20 seconds and start again from the beginning of that step/procedure.

P1   **until**   ↑↓   **STOP**   **until**   **2x**   ↑↓

P1

Hold down the P1 button until the product moves up and down.

Press and hold the STOP button until the product moves 2x up and down.

Transmitter/Channel has been set.

⚠ If NO end positions are set, the product will move in the pulse / step operation. Go then to STEP 3.
If end positions are set, the product will continue to its end position. Go then to STEP 5.
WARNING: It is possible that the correct end positions have not been set. Go then to OPTION A.

Step 3 **Adjusting the direction of rotation** *(Only if the direction of rotation is not correct)*

Only possible if no end positions are set.

▲ + ▼   **until**   **1x ↑↓**
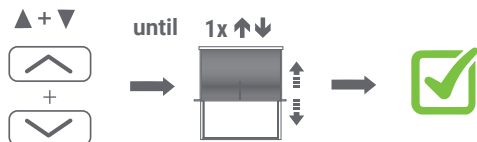
Press **UP** and **DOWN** button simultaneously, until the product moves.

The direction of rotation of the motor is **OK.**

Step 4 **Setting the End Limits**

- 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 (ATTENTION! Press **STOP** in time)

1. Set the desired top position

▲ + STOP   **until 2x ↑↓**

Use the operating buttons to move the product to the desired **TOP** position

Press **UP** and **STOP** simultaneously, until the product moves 2x.

The desired top position is set.

2. Set the desired bottom position

STOP + ▼   **until 2x ↑↓**

Use the operating buttons to move the product to the desired **BOTTOM** position.

Press **DOWN** and **STOP** simultaneously, until the product moves 2x.

The desired bottom position is set.

- **The roller blind is now ready for use.**
- If you are not satisfied with the result of setting the end positions, go to Option A - adjusting positions or **Resetting factory settings.**

Step 5 **Setting the favorite position** (If desired)

↓   **1x P2**   ↑↓   **1x STOP**   **1x↑↓**   **1x STOP**   **2x ↑↓**
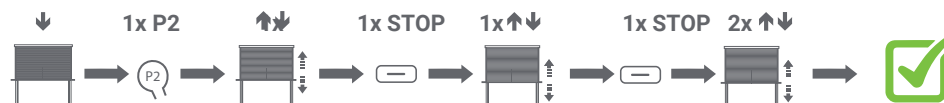
Go to the desired favorite position

Press 1x **P2** The product moves 1x up and down.

Press 1x **STOP** button. The product moves 1x up and down.

Press 1x **STOP** button. The product moves 2x up and down for confirmation.

- **Press and hold STOP for 3 seconds to move to the favorite position.**
- **Since the procedure is identical, to remove it repeat the steps.**

Additional settings

Option A Adjusting the top position

🛑 If adjustment is not possible, go to **Resetting factory settings**.

STOP+▲ **until**↑↓

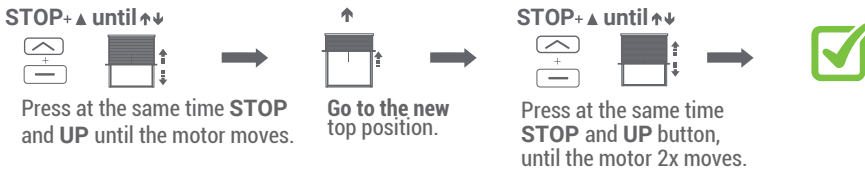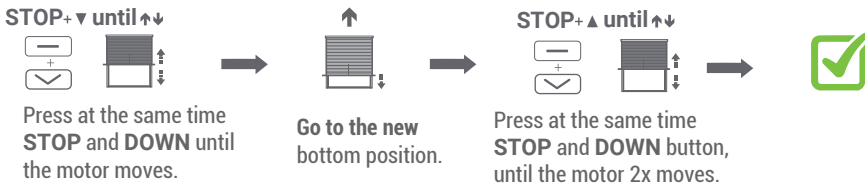Press at the same time **STOP** and **UP** until the motor moves.

Go to the new top position.

STOP+▲ **until**↑↓

Press at the same time **STOP** and **UP** button, until the motor 2x moves.

Adjusting the down position

🛑 **If adjustment is not possible, go to Resetting factory settings.**

STOP+▼ **until**↑↓

Press at the same time **STOP** and **DOWN** until the motor moves.

Go to the new bottom position.

STOP+▲ **until**↑↓

Press at the same time **STOP** and **DOWN** button, until the motor 2x moves.
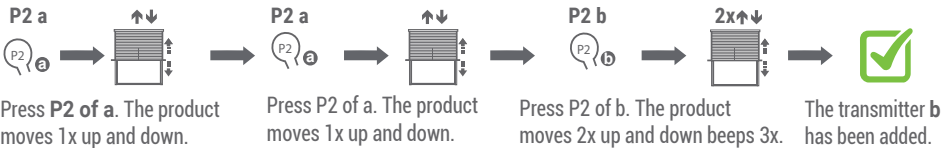
Option B Learn Extra transmitter/channel

Only possible when end limits are set.

ⓐ = *Already existing transmitter/channel*   ⓑ = *New transmitter/channel*

Method 1

P2 a

Press **P2 of a**. The product moves 1x up and down.

P2 a

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

P2 b

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

2x↑↓

The transmitter **b** has been added.

🛑 **Make sure the new transmitter is in the desired channel.**

Method 2 (In case the old transmitter is lost or broken)

P1 a   **until**   ↑↓

Press **P1 of a**. The product moves 1x up and down.

STOP b   **until**   **2x**↑↓

Press **1xSTOP of b.** The product moves 2x up and down.

The new transmitter **b** has been added.
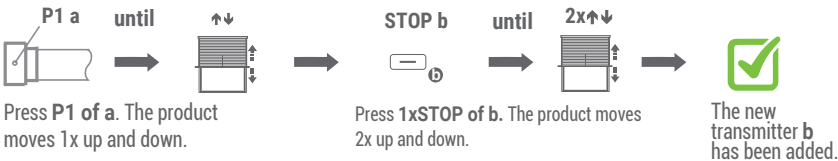
Option C Pulse / jog control

▲+▼   **until**   **1x**↑↓   **1x STOP**

Press and hold **UP** and **DOWN** button, until the product moves up and down.

Press 1x **STOP** button.

1x↑↓
Pulse / jog on

Pulse / jog off
2x ↑↓

Option D Speed Control

1x P2↑↓

P2

Press **P2**. The product moves 1x up and down

1x ↑
Press 1x **up**.

1x ↑
Press 1x up.

The motor speed has been increased

1x ↓
Press 1x **down**.

1x ↓
Press 1x **down**.

The motor speed has been reduced.
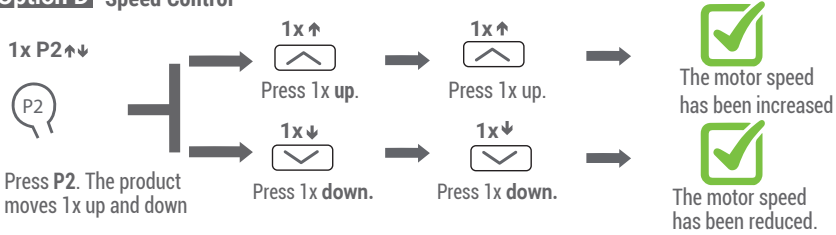
🛑 **If the motor does NOT react after this action, it is already at the highest or lowest speed.**

🛑 **There are 3 different speeds; Namely : 08rpm - 09rpm - 10rpm.**

🛑 **If the speed has been changed the slow stop is activated. To deactive the slow stop you have to reset the motor.**

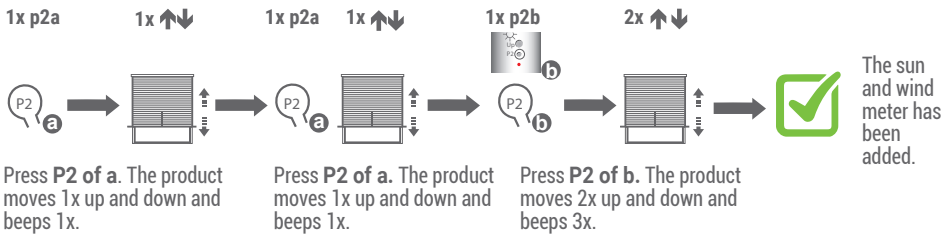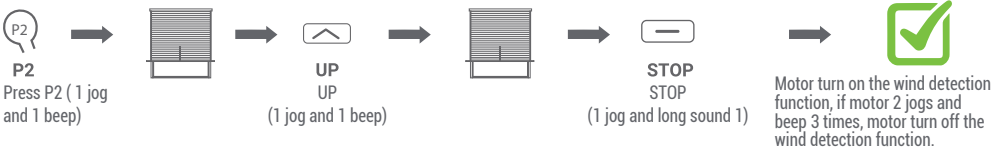## Option E Sun- and windmeter (DD-116 and DD-118)

Add / remove

1x p2a   **1x ↑↓**   **1x p2a**   **1x ↑↓**   **1x p2b**   **2x ↑↓**

P2 a → → P2 a → → P2 b → → The sun and wind meter has been added.

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

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

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

By repeating the above, you can remove the sun and wind meter again.

Option F Safety function for wind sensor

P2

P2
Press P2 (1 jog and 1 beep)

UP
UP
(1 jog and 1 beep)

STOP
STOP
(1 jog and long sound 1)

Motor turn on the wind detection function, if motor 2 jogs and beep 3 times, motor turn off the wind detection function.
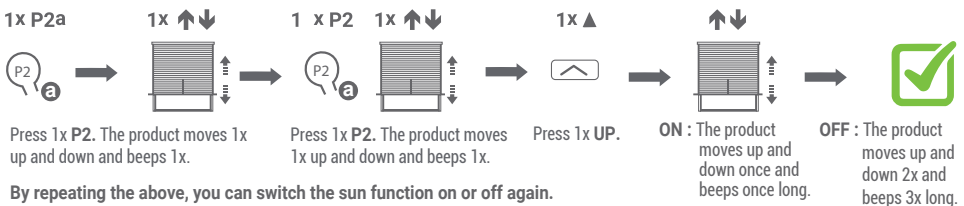
* The factory default mode is ON; After the wind detection function is turned off, it can work normally without receiving the resopnse signal for 30 minutes.

⚠ NOTE   When a wind sensor has been connected to the motor this function be activated. When the motor does not receive a signal every 30min of the wind sensor the awning will go up.If the wind sensor is broken the awning will go in automatically after 30 minutes.

Option G On / off sun function (Factory setting = on)

1x P2a   **1x ↑↓**   **1 x P2**   **1x ↑↓**   **1x ▲**   **↑↓**

P2 a → → P2 a → → → → ✓

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

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

Press 1x **UP.**

ON : The product moves up and down once and beeps once long.

OFF : The product moves up and down 2x and beeps 3x long.

By repeating the above, you can switch the sun function on or off again.

Additional settings P1 button   Can be used without a transmitter as an operating button.

1x P1 ⊣▭▭▬   The product moves up, stops or goes down when pressed P1

Press 1x **P1** on the motor.

Switching off the receiver

P1, (6 sec.) ⊣▭▭▬   **until** →   **2ⁿᵈ** ↑↓ →   ☑

Press and hold P1 until the product moves up and down for the 2nd time.

To reactivate the receiver, briefly press P1 once.

The Receiver switched off.

Changing the direction of rotation

P1, (10 sec.) ⊣▭▭▬   **until** →   **3ʳᵈ** ↑↓ →   ☑

Press and hold P1 until the product moves up and down for the 3rd time.

The direction of rotation has changed.

Resetting to factory settings

P1, (14 sec.) ⊣▭▭▬   **until** →   **4ᵗʰ** ↑↓ →   ☑

Press and hold P1 until the product moves up and down for the 4th time.

Resets to factory settings.

🔴 **To apply new settings: go to step 1**

Changing Batteries