BREL HOME

INSTALLATION MANUAL

Matter motor

This manual is suitable for the following motor types:

- BLEM20
- BLEM25
- BLEMQ35-06 USB-C
- BLEMQ35-13 USB-C

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

Visit our website for more information

Scan the QR code here for the manual to download & view 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.

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

Restriction of Hazardous Substances Directive (RoHS) 2011/65/EU: The product 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



Installation and charging of 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 brackets and be sure this is secure. Mount the motor in the tube of the blinds

The motor must be charged with a Z-42-02 USB-C charging point in combination with a Z-42-300M magnetic cable. When the battery is low, the motor beeps 10 times. During charging, the LED light on the motor flashes. When the motor is full, the light is on constantly.

Controlling with the BREL Matter app

The Matter motors can easily communicate with all Matter-enabled Smart Home products in your home due to the Matter protocol.

Pair your Matter by BREL product with other Matter products:

Scan the QR code and read more about Matter by BREL



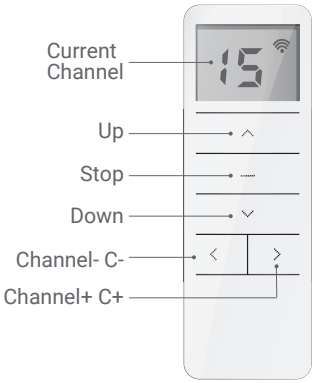
Technical data of the motor

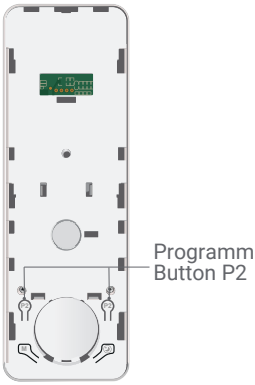
	BLEM20	BLEM25	BLEMQ35-06	BLEMQ35-13
Input	USB-C	USB-C	USB-C	USB-C
Working voltage	12V	12V	12V	12V
Charging voltage	5V	5V	5V	5V
Power	8W	10W	38W	38W
Amperage	1.0A	1.20A	3.23A	3.23A
Force (Nm)	0.5	1.1	6	13
Speed (rpm)	28	28	24	13
Motor length (mm)	485	605	652	652
Motor diameter (mm)	20	25	35	35
Motor head diameter (mm)	45	45	40	40
Antenna (mm)	170	170	170	170
Cable (mm)	n.a.	n.a.	170	170

The following specifications apply to all Matter motors:

Frequency	433 MHz
Range	25m indoor to 100m outdoor
Capacity	10 channels or transmitters
IP value	IP20
Operating temperature	-10°C to +55°C

Functions remote control

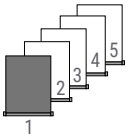




There are 2x P2 buttons, no matter which one you press.

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 1 Establishing connection

- If you do not start programming within 10 seconds, the motor will exit programming mode.
- During programming you need to press the key briefly. If you need to hold it down for a long time this is indicated
- 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 button until the product moves up and down.

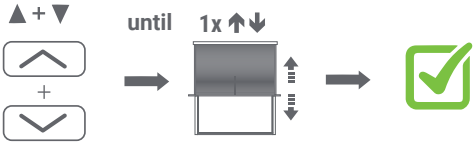
Press and hold the STOP button until the product moves 2x up and down.

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

Only possible if no end positions are set.



Press **UP** and **DOWN** button simultaneously, until the product moves.

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

Indien geen reactie controleer of de handzender geblokkeerd is.

Step 3 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

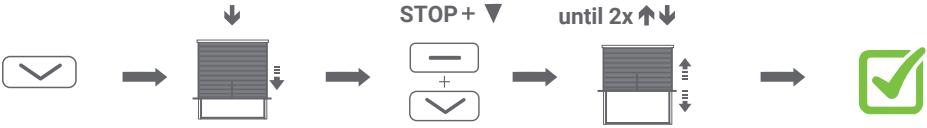


Use the operating buttons to move the product to the desired **TOP** position

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

The desired top position is set.

2. Set the desired bottom position



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

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

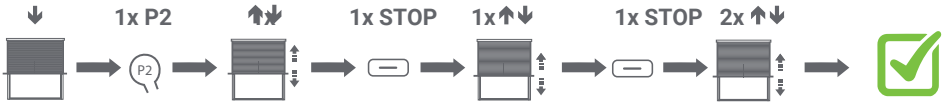
The desired bottom position is set.

Indien geen reactie controleer of de handzender geblokkeerd is.

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 4 Setting the favorite position (If desired)



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.

Changing settings

Adjusting the upper limit

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

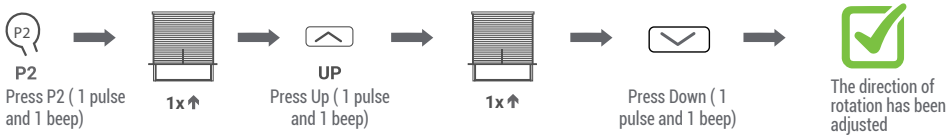


Adjusting the bottom limit

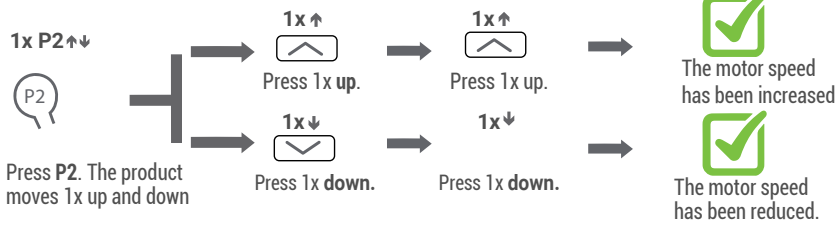
If adjustment is not possible check the lock function or reset the motor



Changing the direction of rotation



Changing speed

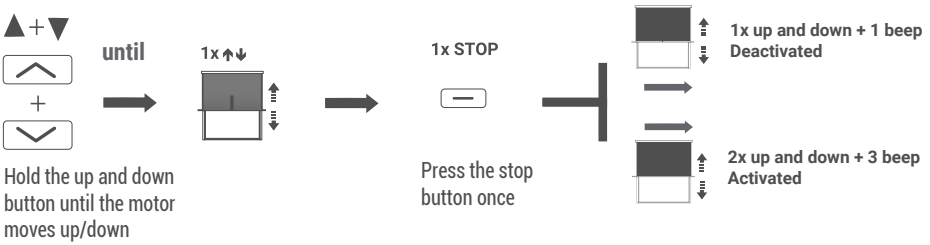


Motor is set in highest speed and slow stop is activated

To deactivate the slow stop, the motor must first be in the lowest speed. Because the motor is in the highest speed, you must first reduce the speed 2x to put the motor in the lowest speed. Then you reduce the speed 1x more to deactivate the slow stop. To activate the slow stop again, increase the speed 2x until the motor is in the highest speed. Then increase the speed 1x more to activate the slow stop.

Changing settings

Pulsmode



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

Press the stop button once

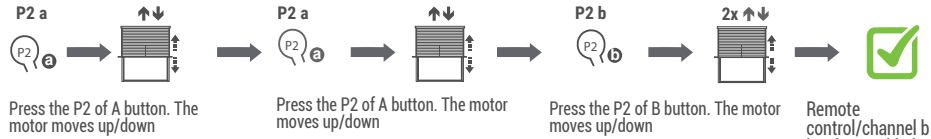
Registering an additional remote control/channel

Only possible if 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 up/down

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

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

Remote control/channel b has been added

Start at the transmitter or channel the motor is programmed to

To delete a transmitter/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/down 2 times.

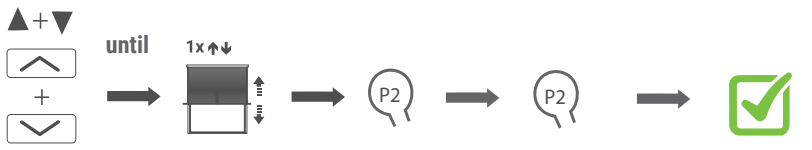
A new remote control/channel has been added

Start at the transmitter or channel the motor is programmed to

To delete a transmitter/channel repeat the procedure

Activating Matter

Method 1



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

Press the P2 button. The motor moves up/down

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

Matter is activated

Method 2



Hold the P1 button until the motor has moved up/down for the 1st time.

Matter is activated

Additional settings P1 button

Can be used without a transmitter as an operating button.



The product moves up, stops or goes down when pressed P1

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

Switching off the receiver



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

The Receiver switched off.

To reactivate the receiver, briefly press P1 once.

Changing the direction of rotation



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



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