



# INSTALLATION MANUAL

Manual Brel Bi-Directional Mechanical Radio  
35mm and 45mm Motor

## BR35 & BR45

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](http://www.brel-home.com)

Visit our website for more manuals and information



BR35-10



BR35-13



BR45-20



BR45-40

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.



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



The motor must be protected from direct moisture influences.



The motor must be installed correctly.



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 effect.

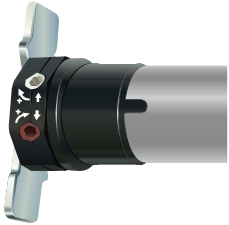
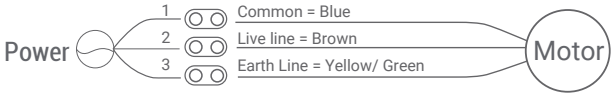


Children cannot recognize the dangers of electrical equipment and may therefore not work with it.

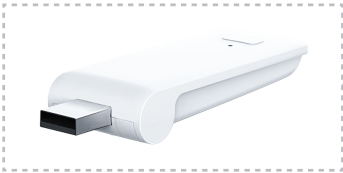
## Wiring

3 wires: 230V/50Hz

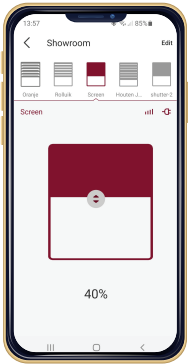
230V/50Hz



## 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

	BR35-10	BR35-13	BR45-20	BR45-40
Voltage	AC 230V	AC 230V	AC 230V	AC 230V
Power	121W	121W	145W	198W
Torque	10Nm	13Nm	20Nm	40Nm
Maximum motor runtime	4 min.	4 min.	4 min.	4 min.
Speed	17rpm	14rpm	15rpm	15rpm
Amperage	0.53A	0.53A	0.64A	0.86A
Moisture and dust protection	IP44	IP44	IP44	IP44

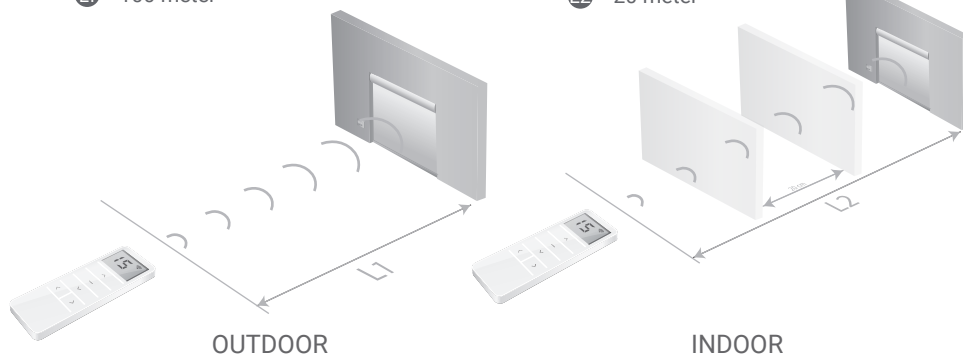
Temperature range Normal use: -10°C tot + 65°C

**⚠ NOTE** If the motor has been running continuously for 4 minutes, it may become too hot and then stops. After approximately half an hour, it will continue to run.

## Reach

L1 = 100 meter




L2 = 20 meter



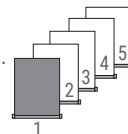
## Functions Remote Control







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



Put power on the motor and the product moves up and down.

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

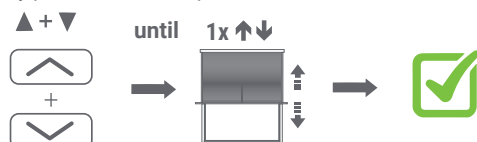
Transmitter/Channel has been set.

-  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.

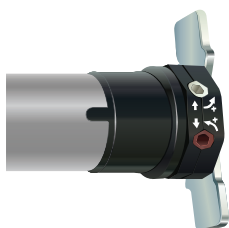


Press **UP** and **DOWN** button simultaneously, until the product moves.

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

## Step 4 Setting the End Limits

To determine where to stop the motor, use the adjustment pin provided. The large arrow indicates the direction of rotation in which you change the end position.



By turning to the **Plus** or **Min** you can change the end position.

By turning to the **Plus**, the motor will make more revolutions.

By turning to the **Min**, the motor will make fewer revolutions.

The setting must be done for both directions of rotation.

If the motor has stopped on its own, do not turn more than 1 revolution towards the Min.

If you turn more than 1 revolution to the Min, you can disable the adjustment.

## Additional settings

### Option A Learn Extra transmitter/channel

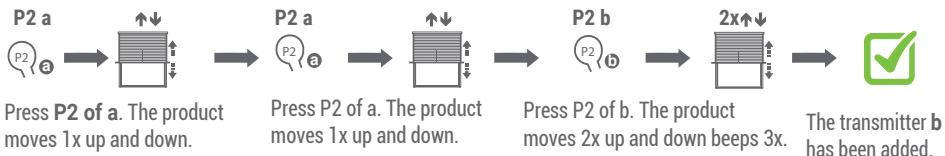
Only possible when end limits are set.

**a** = Already existing transmitter/channel

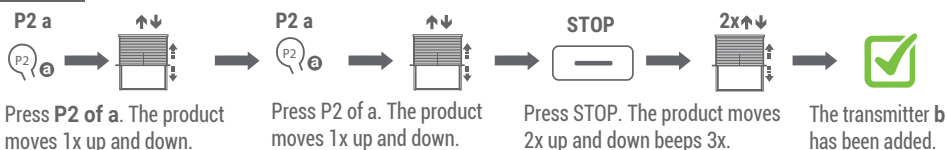
**b** = New transmitter/channel

**i** Make sure the transmitter is in the correct channel.

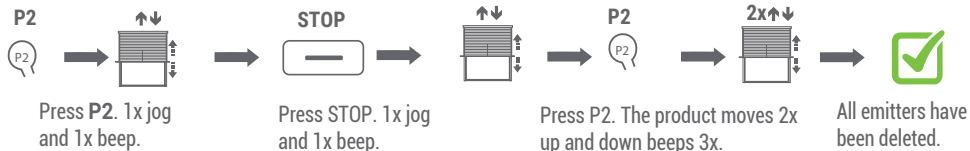
#### Method 1



#### Method 2



### Option B Remove all emitters

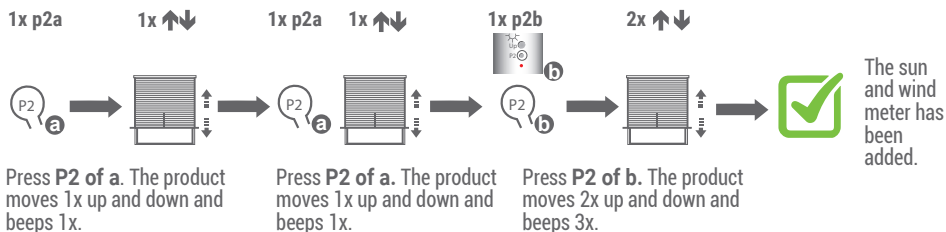


### Option C Pulse / jog control



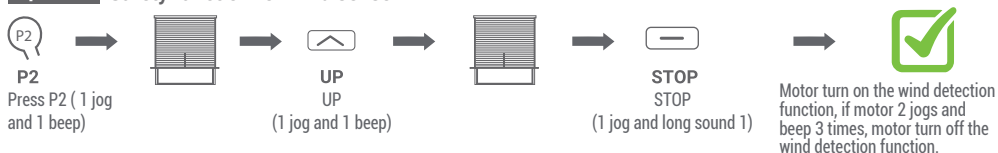
## Option D Sun- and windmeter (DD-116 and DD-118)

### Add / remove



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

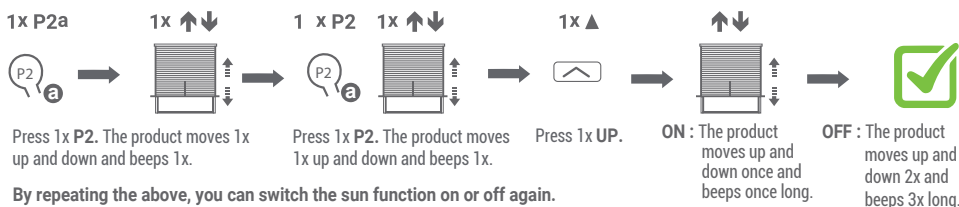
## Option E Safety function for wind sensor



\* The factory default mode is ON; After the wind detection function is turned off, it can work normally without receiving the response 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 F On / off sun function ( Factory setting = on)



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