

INSTALLATION INSTRUCTIONS

WIBAT LINTEAU



VERSION 1-10 ANG

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Certificate of Guarantee – Caution Notice

Important safety instructions.

It is important for the safety of all users to follow these instructions; please keep these instructions.

WIBAT LINTEAU Product is exclusively designed for opening and closing swing shutters. It must not be used for any purpose other than that specified in these instructions. The manufacturer or supplier shall not be liable for any damage resulting from improper use thereof. The user alone shall be solely liable and assume any risks arising from improper use of the product.

This unit can be used by aged 8 years old children and people with physical, sensory or mental capabilities reduce or devoid of experience or knowledge, if they are properly monitored or if all using and safety instructions are given to them and if all the risks of using this unit were apprehended.

This shutter motor must be installed by persons fully aware of the hazards involved in currents, drilling, who have the requisite qualifications to work on domestic installations in accordance with good practice.

If the power supply cable is damage, it must be change by the maker or people having knowledge to do it.

Follow all the instructions because faulty installation can cause injury.

The assembly steps must be followed, as must the operating instructions, and safety rules must always be heeded.

Before installing the shutter motor, check that both the driven part and the entire WIBAT LINTEAU are in good physical condition and that the structure has the necessary load-bearing capacity for the WIBAT LINTEAU in its entirety.

The product must be installed by qualified people or with MANTION SMT agreement.

The electrical installation must be done according to prevailing national standards and in accordance with all legal obligations and/or prevailing obligations to that effect.

(Electrical compatibility: voltage and frequency as marked on the product and that of the power network where it will be used.) Do not connect the device without first checking that the control circuit is dead.

Check the installation frequently to detect any imbalances or signs of wear or damage. Do not use the device if it needs repairing or adjusting.

Disconnect the power supply when cleaning it or carrying out other maintenance or servicing tasks.

Never modify or fit any additional parts to the device that may compromise safety without MANTION SMT's written permission.

Be very careful not to get your fingers caught when using the device.

The user alone is solely and entirely responsible for any breach of these safety rules, and any damage resulting there from.

The product must be stored indoors in a dry place at a temperature of between 0°C and +45°C.

When fitting it, the installation engineer must heed accident prevention instructions and the standards in force in the country.

Do not immerse the gear motor in water or splash it.

Do not dispose of it in fire or bring it into contact with flame or any heat source.

Do not use household products or chemicals to clean it. Only use a moist sponge and soap.

Do not dispose of the packaging in the environment; treat waste according to the standards in force in the country.

Keep products, devices and documentation out of reach of children.

Do not let children play with the fixed control devices. Keep remote controls out of reach of children.

When using a switch without a lock, make sure everyone else is kept at a distance.

Radio control:

Use of the wireless remote control is only authorized if any disturbance in the transmitter or receiver poses no danger to people or animals, or if such hazards are removed by other arrangements.

The user of the wireless control is not protected against interference generated by other telecommunications installations and remote-controlled devices. If there is a high level of interference, contact the organization in charge of measuring wireless interference (radiolocation).

Do not use the radio transmitter in places sensitive to radio transmissions (airports, hospitals) or only after taking all the necessary precautions.

The swing shutter remote control may pose risks and for this reason please heed the following points when using it:

1. Make sure no object or person is within range of the swinging shutters.
2. Only operate them when direct visual inspection is possible.

The wireless control is not a toy; do not let children play with it. Keep it out of reach of children and animals.

Terms of the guarantee

MANTION SMT products come with a 5 (five) years guarantee from the date of delivery.

The guarantee is limited, as decided by MANTION SMT, either to replacement or to repair of products MANTION SMT recognizes as faulty, with the proviso that:

1. Subject to MANTION SMT's written permission to return the products, the said products are returned to MANTION SMT forthwith with the details of the fault and a copy of the installation engineer or dealer's bill stating the date of installation.
2. The products have been stored, installed, maintained and used in accordance with MANTION SMT's instructions and specifications.

The guarantee is strictly limited to the provisions of this clause, and any other guarantee or liability, including loss of profits or damage directly or indirectly resulting from the sale or use of the products, is excluded.

MANTION SMT shall on no account be liable for drilling and embedding conditions.

MANTION SMT shall in any event only be liable for the WIBAT LINTEAU product. The guarantee does not apply in case of overvoltage or short-circuiting resulting for instance from connection errors, weather conditions such as lightning etc. The guarantee does not cover normal wear.

CARACTERISTIQUES TECHNIQUES

WIBAT LINTEAU is designed for opening and closing swing shutters (one or two leaves). It is designed for domestic use.

This product must be installed under the window lintel

Minimum width per leaf	0,40 m*
Maximum width per leaf	0.8 m*
Maximum area per leaf	1.6 m ² *
Maximum weight per leaf	50 Kg
Maximum power rating	100 W
Supply voltage	195/230 V AC - 50/60 Hz
Motor voltage	24 V DC
Motor torque	25 Nm
Protection rating	IP24
End of travel type	Dynamic (stops on an obstacle)
Opening/closing time	16 s
S3 – Cycle	30s works each 10mn
Motor Speed	2 Rpm
Operating temperature	-20/+60 degree C
Radio frequency	433.92 MHz
Standby power	<2 W
Colour**	White RAL 9010 ou Brown RAL 8019

**please enquire for any other dimensions.*

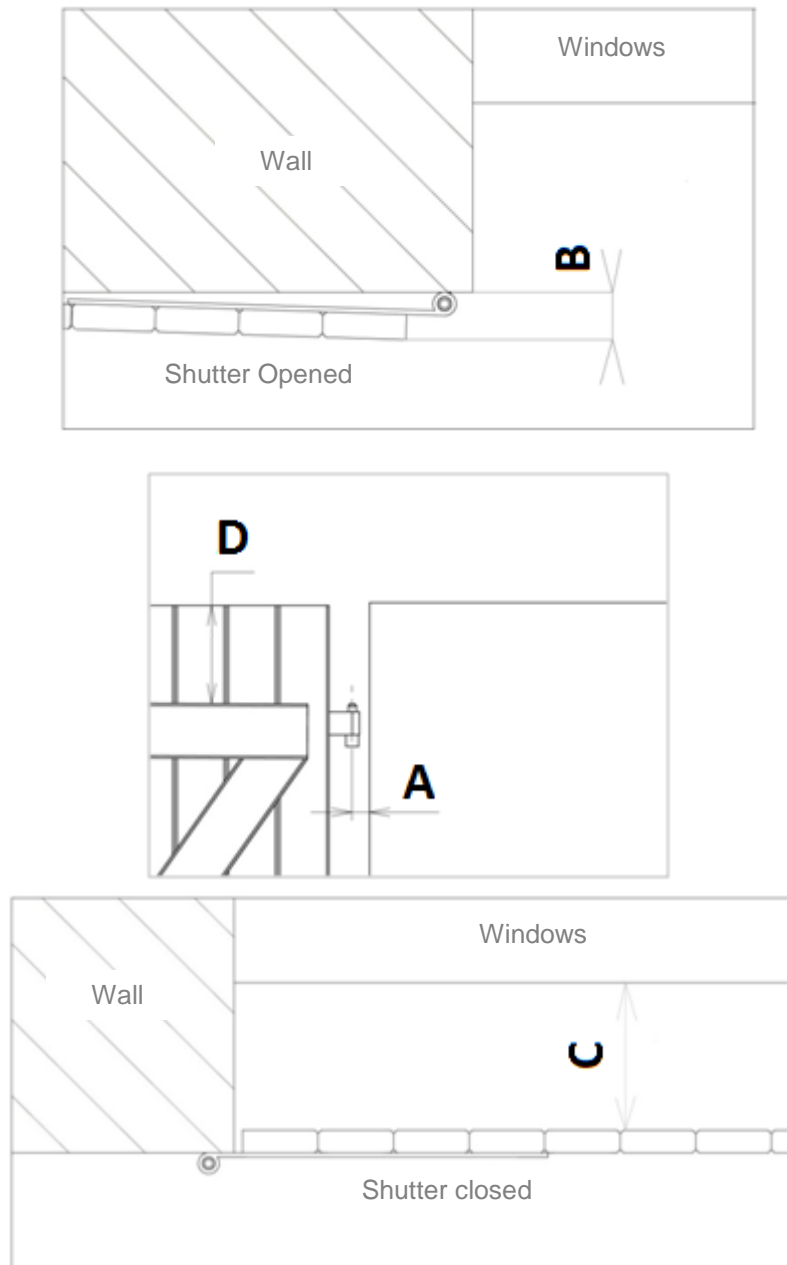
***please enquire for any other colours.*

NB: All the data above is provided as a rough guide, subject to particular conditions (wind, condition of the hinges) and does not constitute a firm commitment on the part of MANTION SMT



We recommend you do not operate the WIBAT- LINTEAU in very strong winds; this could damage the shutters and the device

Dimension to check



Dimension A: Distance between wall and outside of shutter: depends on the type of arm, see abacus

Dimension B: Distance between frame and hinge centreline: depends on the type of arm, see abacus

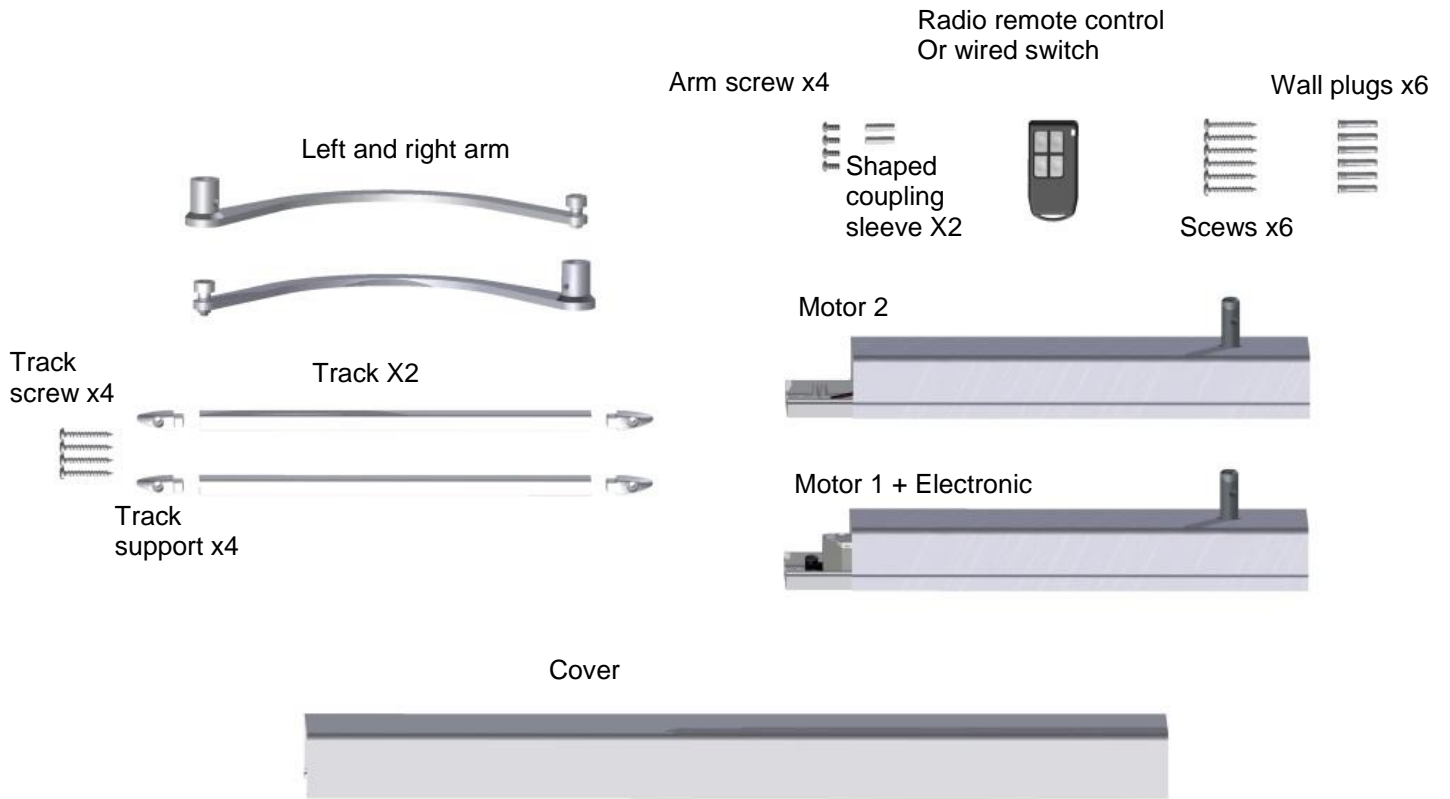
Dimension C: Distance between window and closed shutter: depends on the type of arm, see abacus

Dimension D: Min Distance between the top of shutter = 90 mm if shutter with horizontal bar.
70 mm if shutter without horizontal bar.

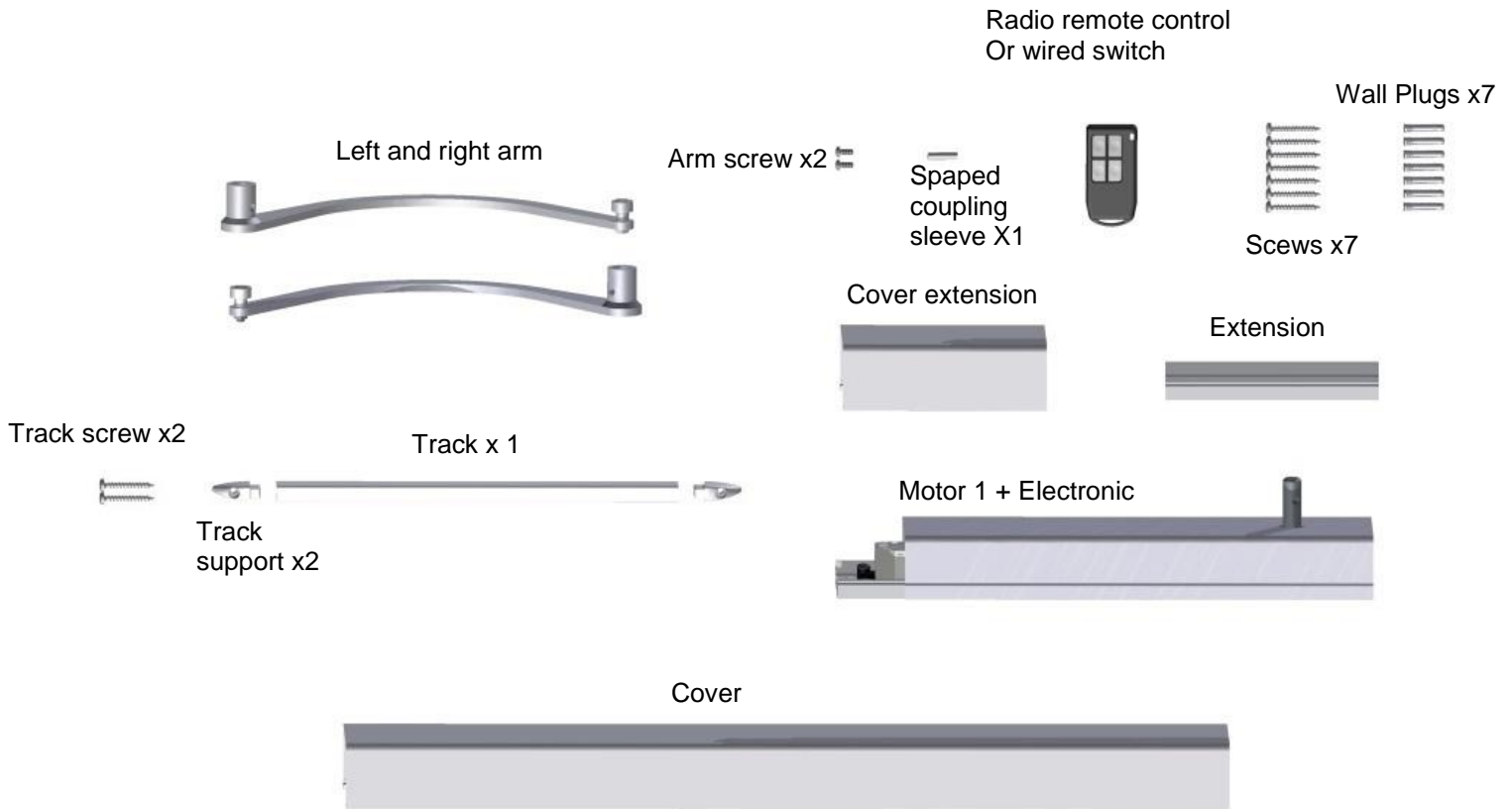
Tools needed for fitting:

- A: 1 pencil
- B: 1 hammer
- C: 1 "Pozidriv" screwdriver
- D: 1 drill + 6mm masonry bit
- E: 1 level
- F: 1 2.5-mm hexagonal male key
- G: 1 Torx key tx 30

Contents of the 2 shutters motor set :

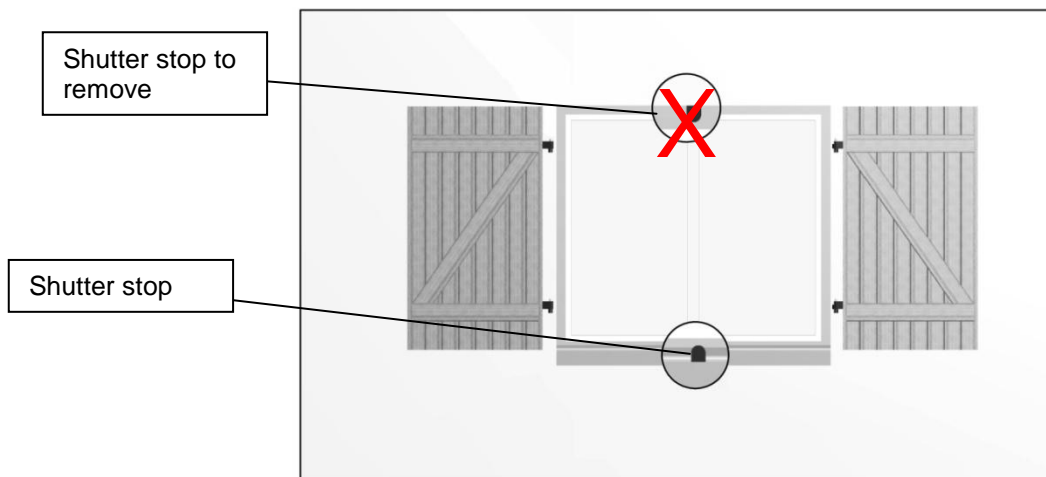


Contents of the 1 shutter set :



Before fitting

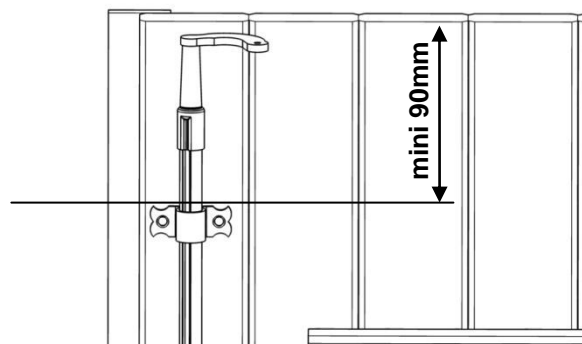
Changing the shutter stops



The presence of low shutter stoppers is essential for the proper functioning of the product.

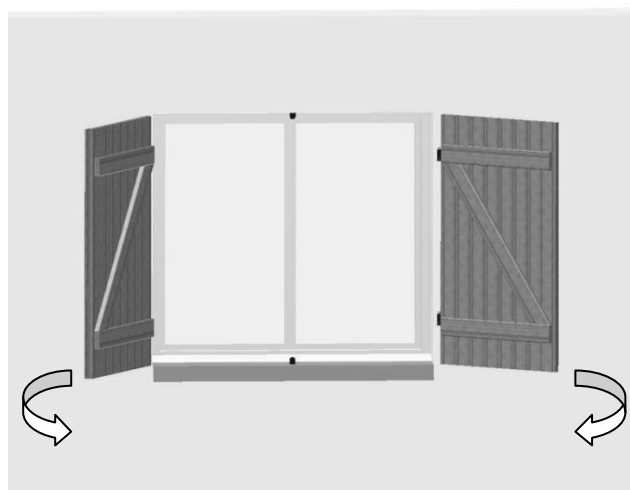
Modification of espagnolette.

If you have an espagnolette on your shutters, you need to remove the higher part.



Make sure the shutters rotate properly.

If the shutters can't move properly, it can affect the proper functioning of the engines.



Depending on the configuration, refer to the installation instructions:

Mounting 2 leaves	p9
Mounting 1 leaf, 580 mm lower bay	p16
Mounting 1 leaf, upper bay to 580 mm	p18
Electrical connection	p23
Start up	p25
Final assembly	p26
Notice radio pairing	p27

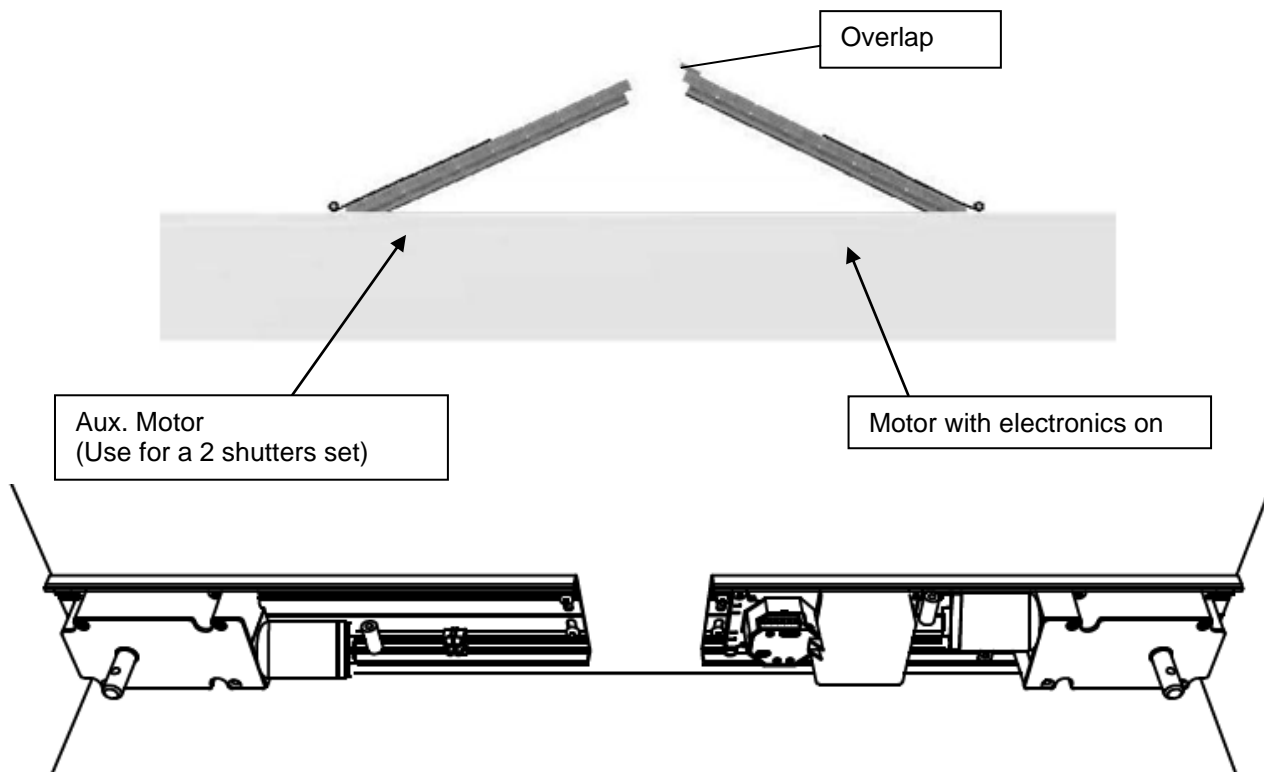
1-INSTRUCTIONS FOR THE 2 MOTORISATIONS SET

1-1 Before fitting

1-1-1 Motors identification.

The shutter with the Overlap will be open the first.

WIBAT-LINTEAU is pre-wired to drive the right shutter (see from inside)
Le motor with electronic have to be install on the right side (see from inside)

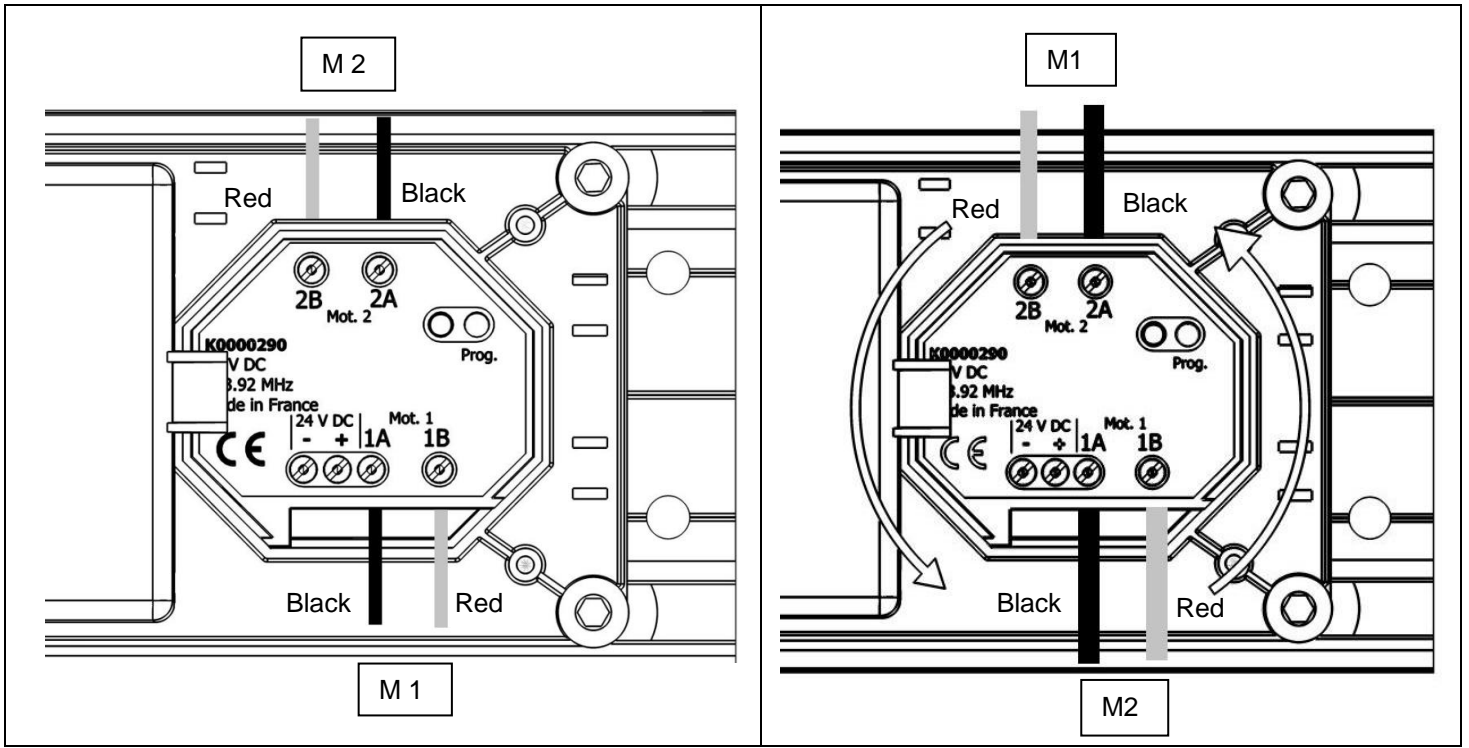


1-1-2 Change wiring according to overlap position

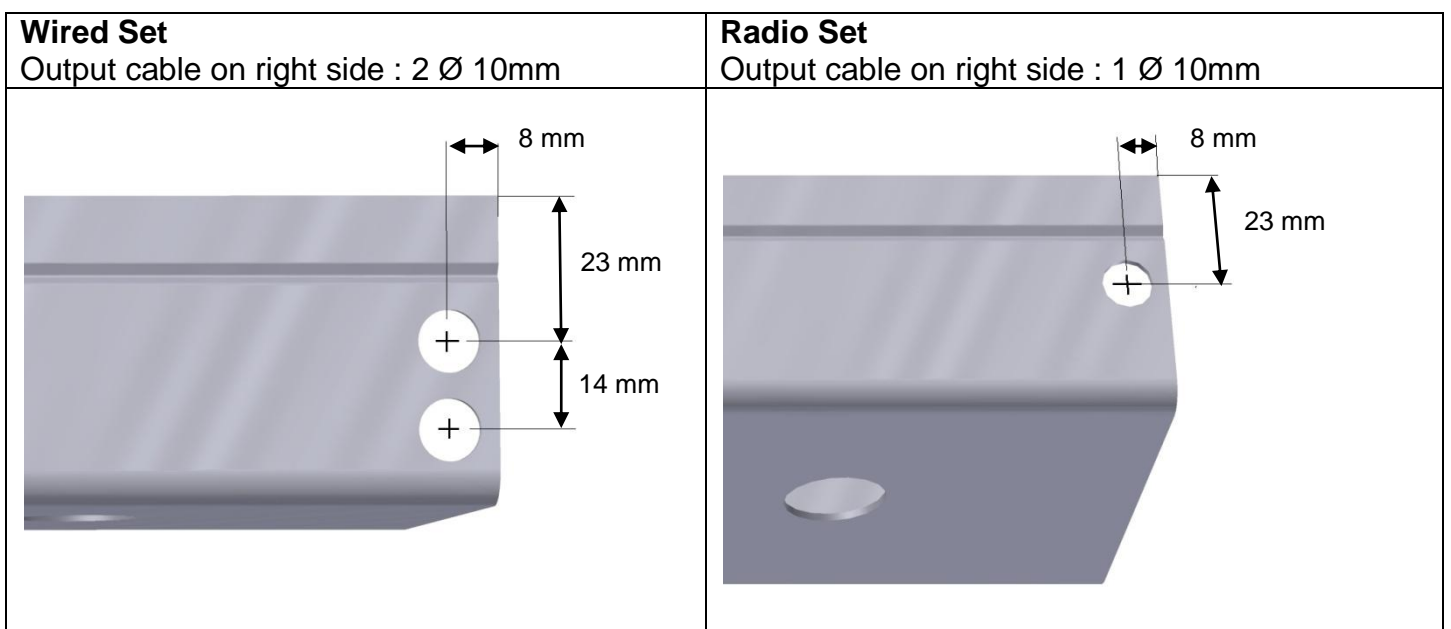
If the overlap isn't on the right shutter you need to reverse the cables M1 with M2.

Standard wired with overlap on the right

Wire modification if overlap is on the left



1-1-3 Drill the cover for wires

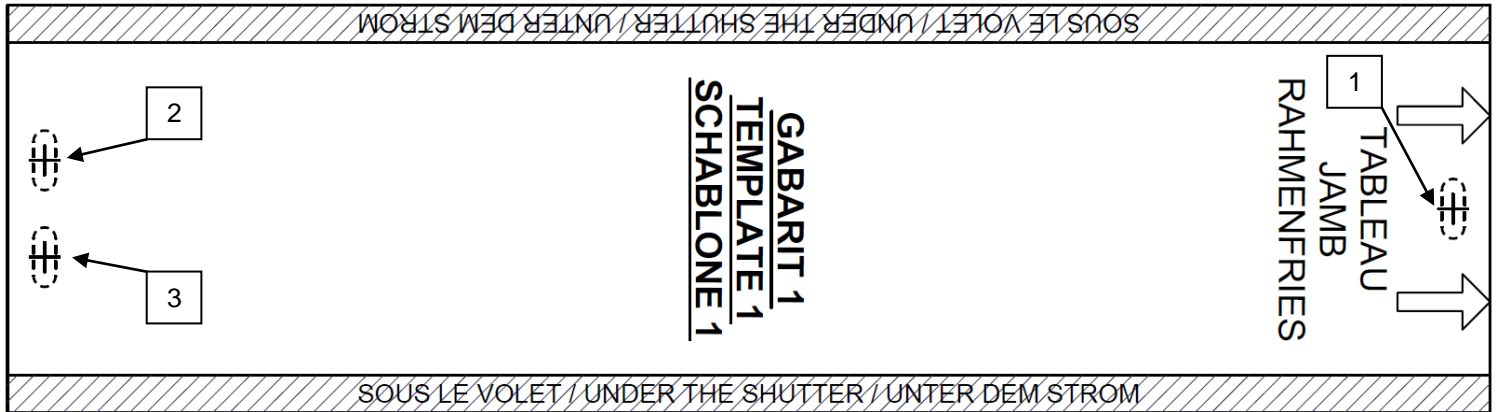


Put the gromet included in the set

1-2 Mounting the 2 motors

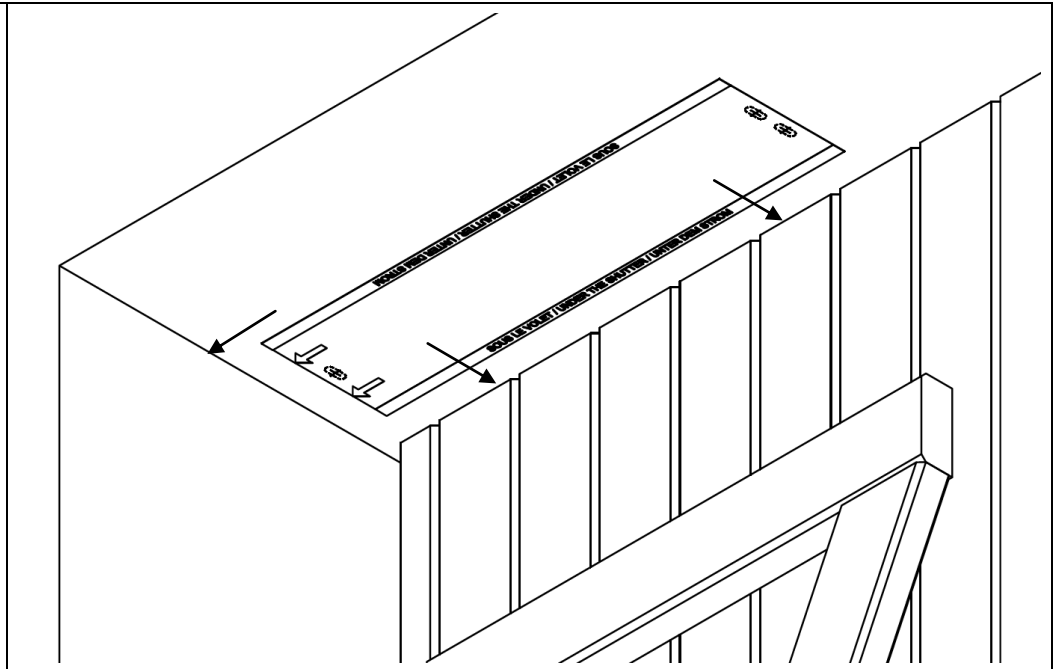
1-2-1 Template use

Marks 1, 2, 3: Use to drill the hole for motors 1 and 2 .

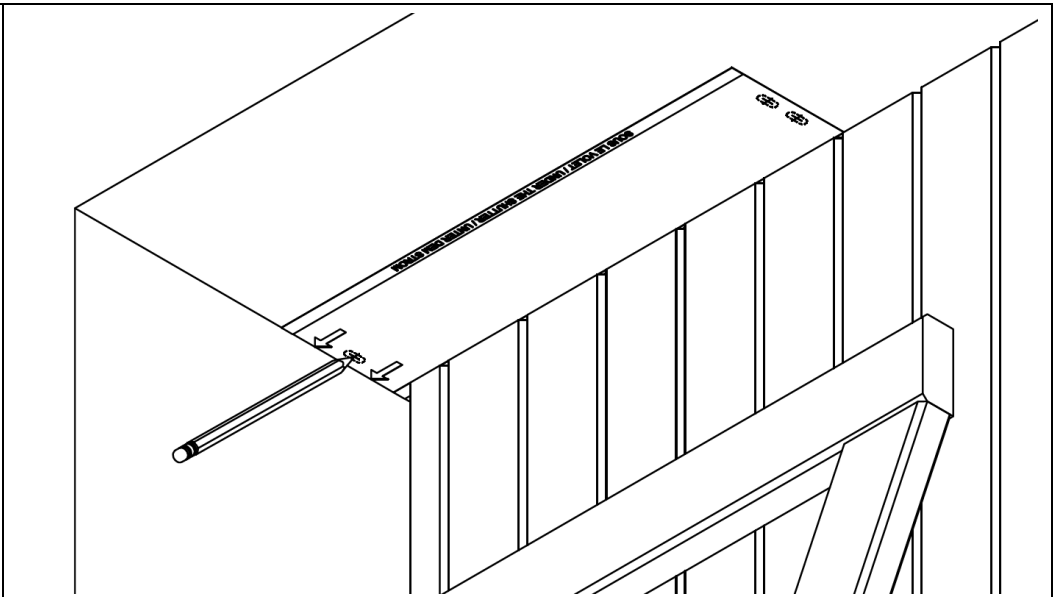


1-2-2 Mounting

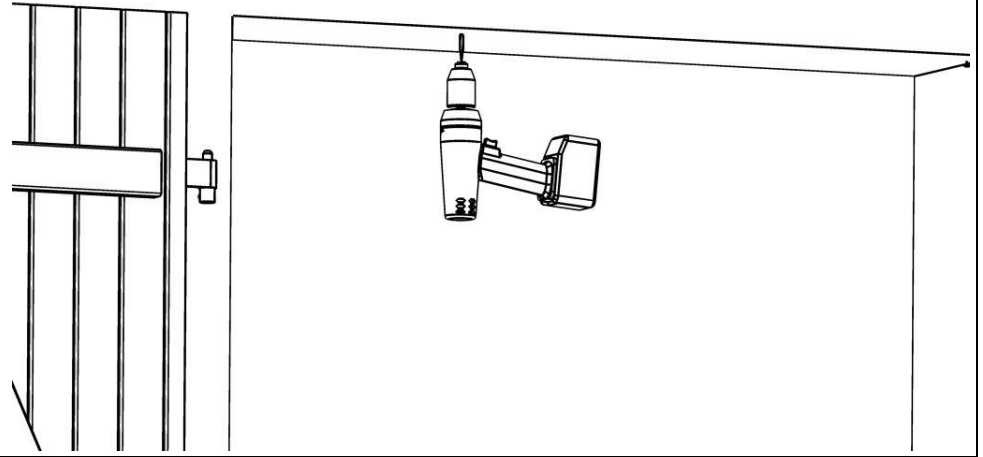
Align the template with the shutter and the wall



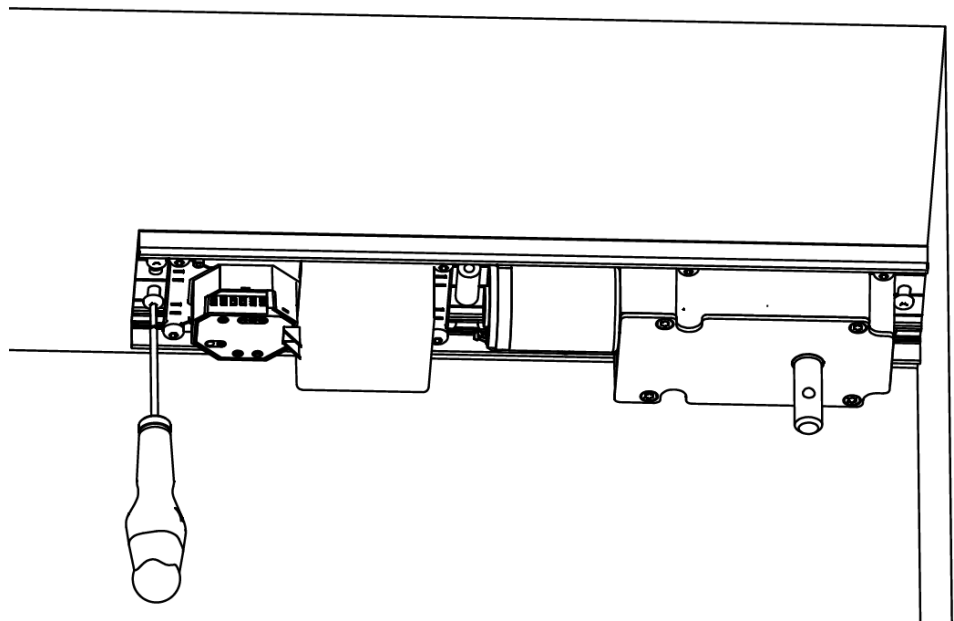
Marks out the 3 points 1,2,3



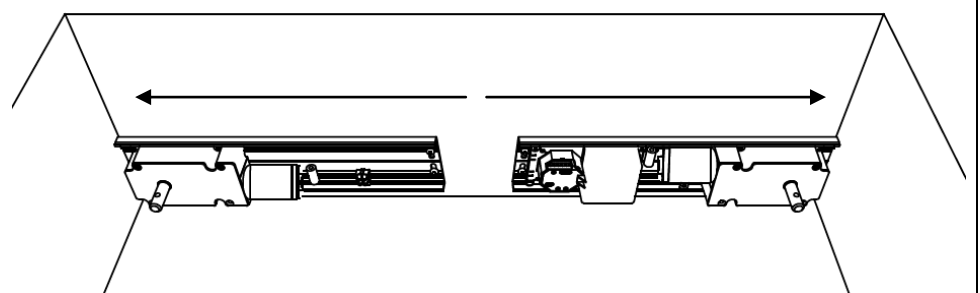
Repeat the same operations for the second motor.
Drill the holes $\varnothing 6$ and insert the wall plugs



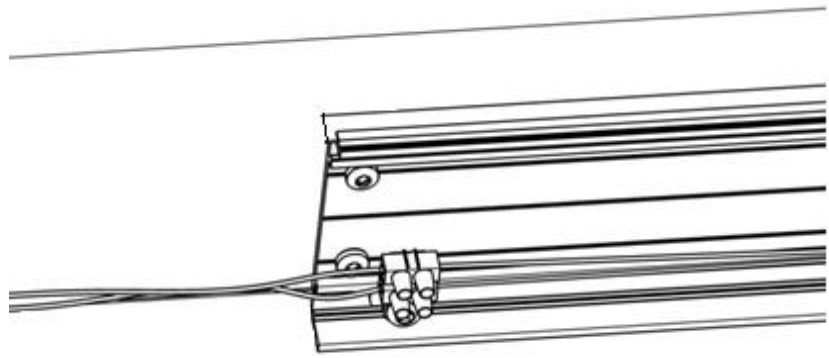
Install the motor without locking the screws.



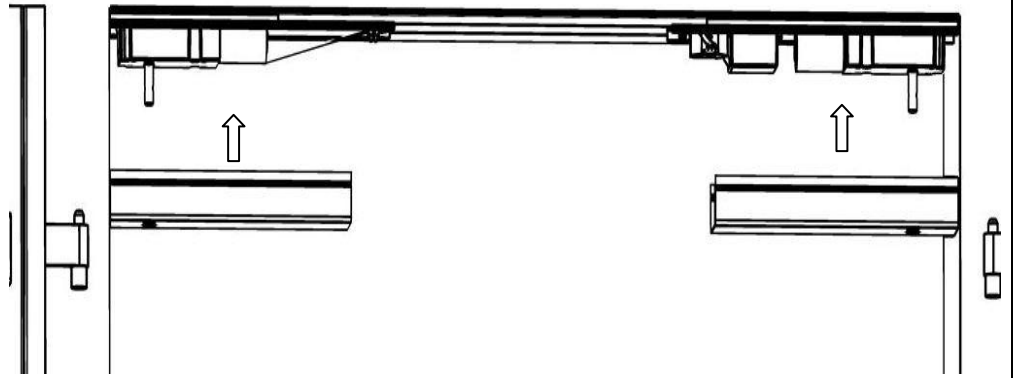
Install the second motor.
Check the alignment with motor1 then
Lock all the screws.



Wired the 2d motor.
Red with red
Black with black



Put the 2 motors covers
Don't forget to pass the
cables through the
grommet.

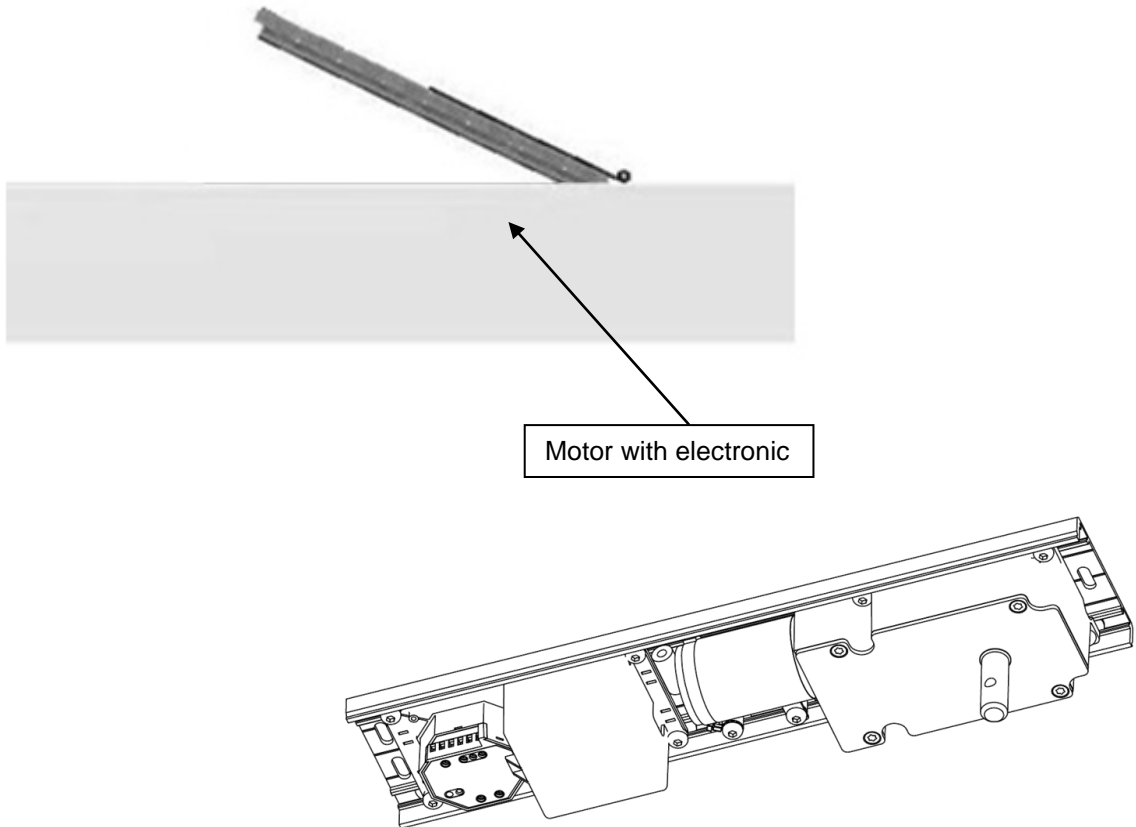


2- INSTRUCTION FOR 1 MOTORISATION SET

2-1 Preparation before installation

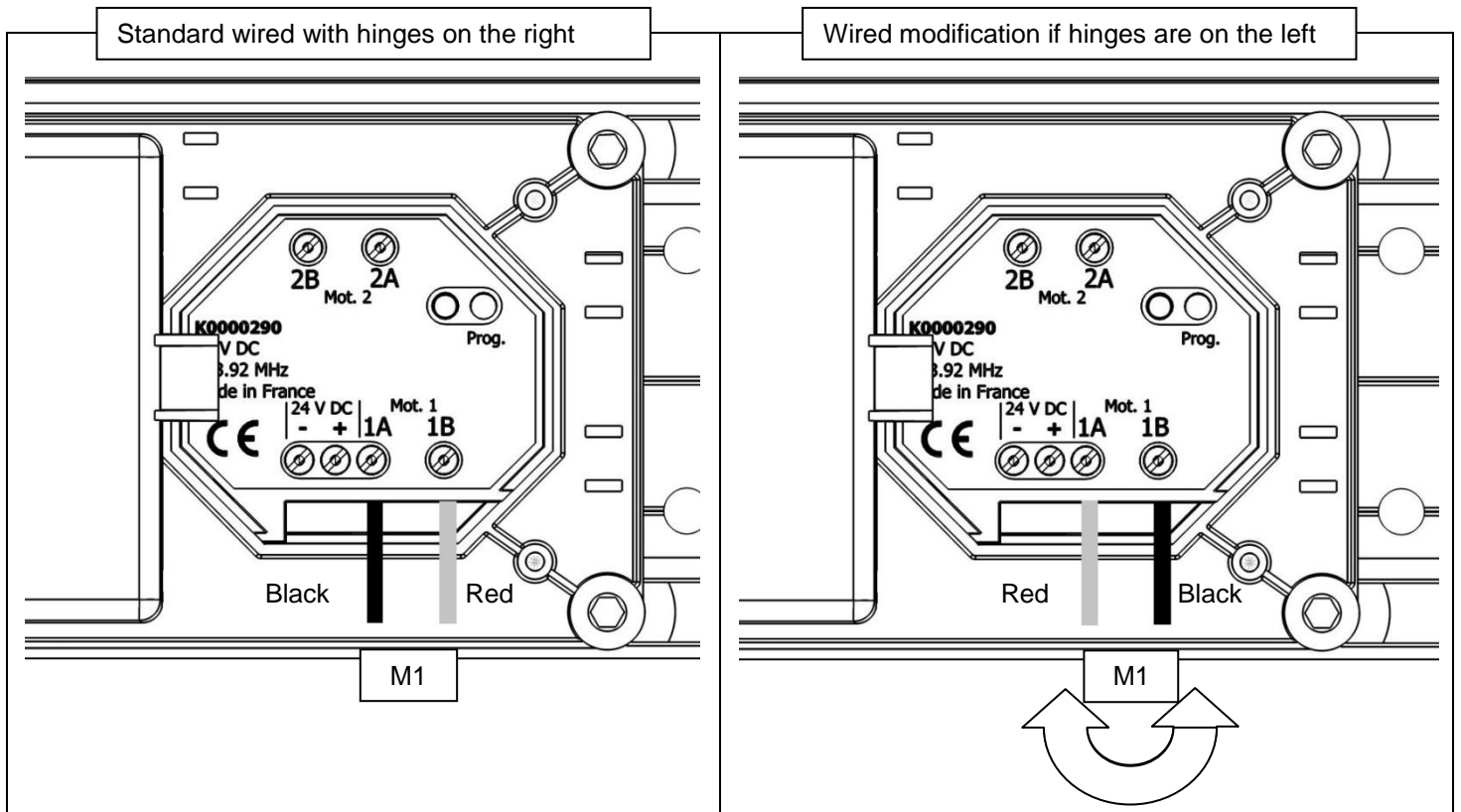
2-1-1 Motors identification.

Wibat LINTEAU is pre-wired to drive the right shutter (see from inside)
Le motor with electronic have to be install on the right side. (see from inside)

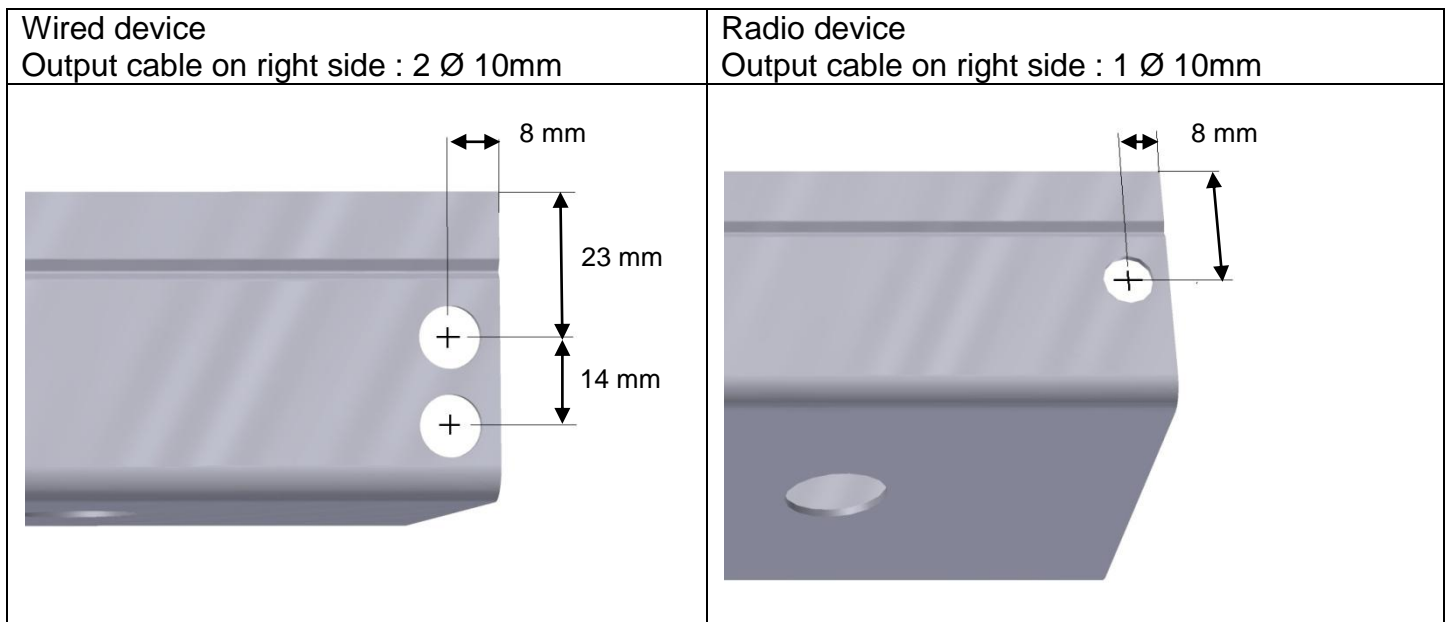


2-1-2 Change wiring according to the hinges position

If the hinges are on the left side (see from outside), the motor's connection has to be change:
Reverse the red and black cable from M1



2.2 Drill the cover for wires

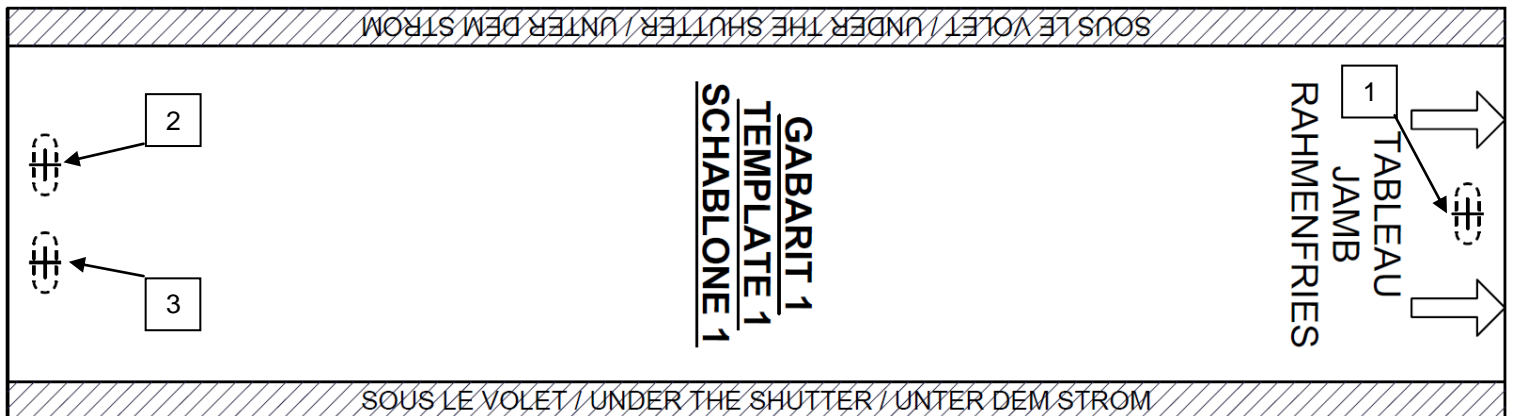


Put the gromet included in the set

2-2 Mounting the motor for shutter less than 580mm

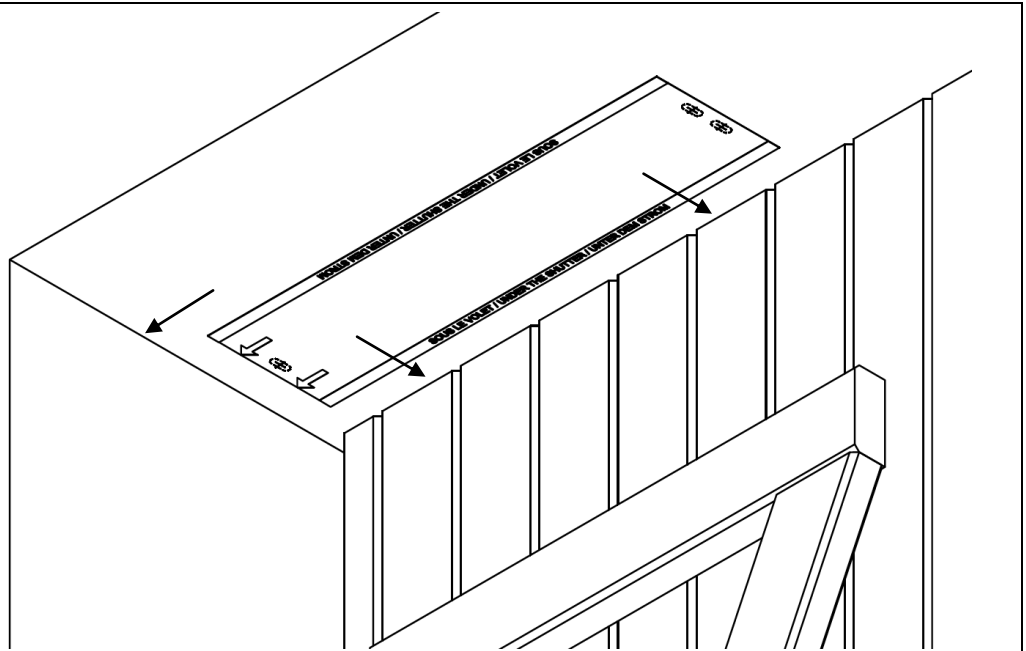
2-2-1 Template use

Marks 1, 2, 3: Use to drill the hole for motors 1.

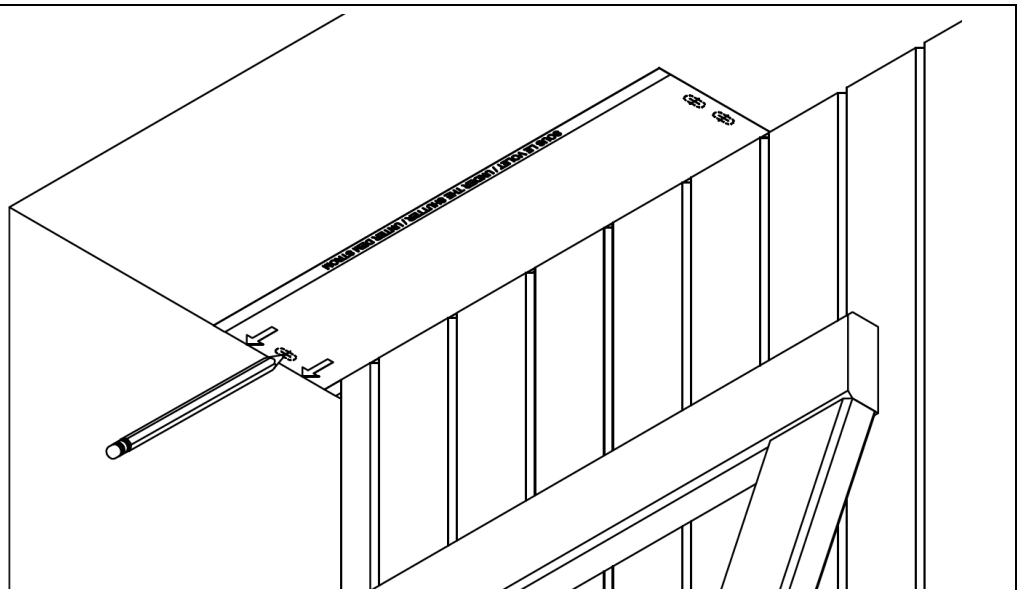


2-2-2 Mounting

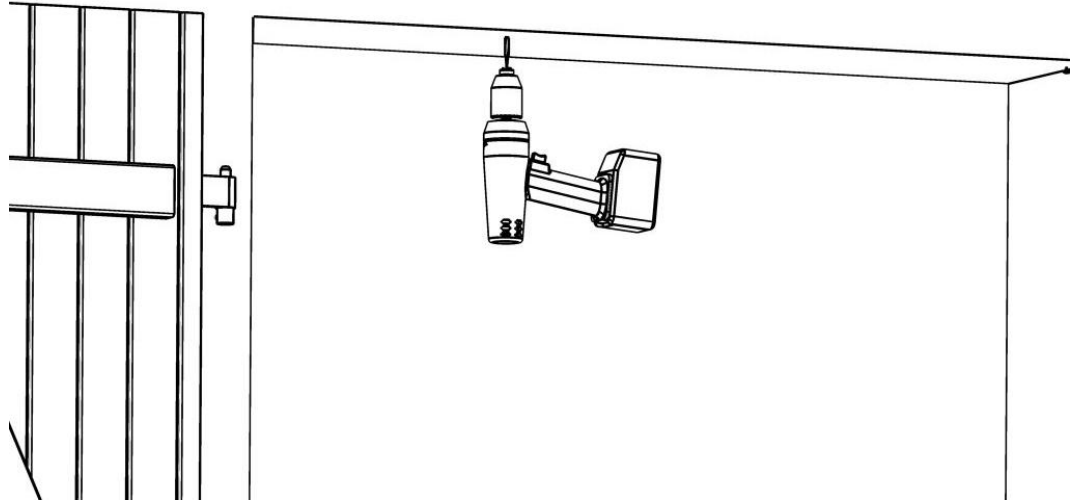
Align the template with the shutter and the wall



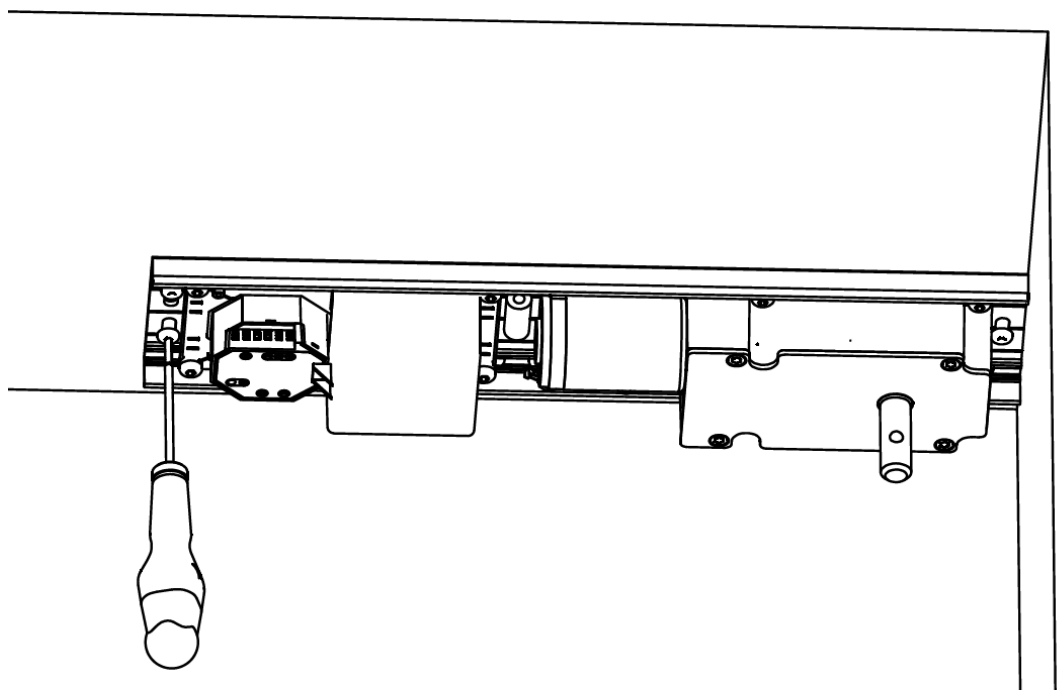
Mark the drill position 1,2,3
For motor



Drill the holes $\varnothing 6$ and insert the wall plugs

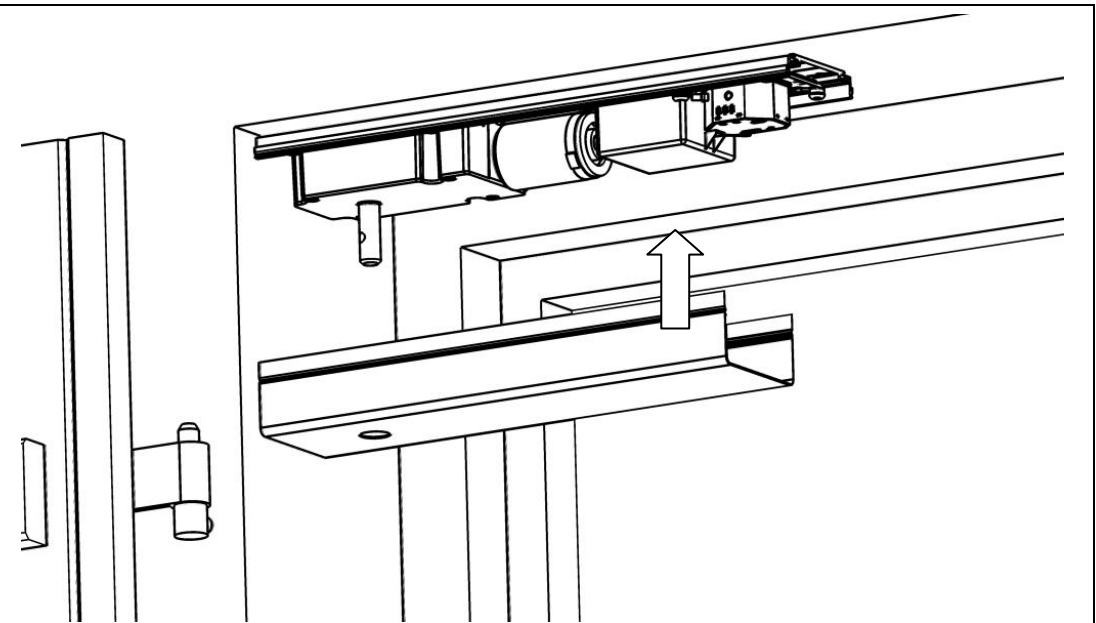


Install the motor and verify the alignment before locking the screws.



Put the motor cover

Don't forget to pass the cable through the grommet.

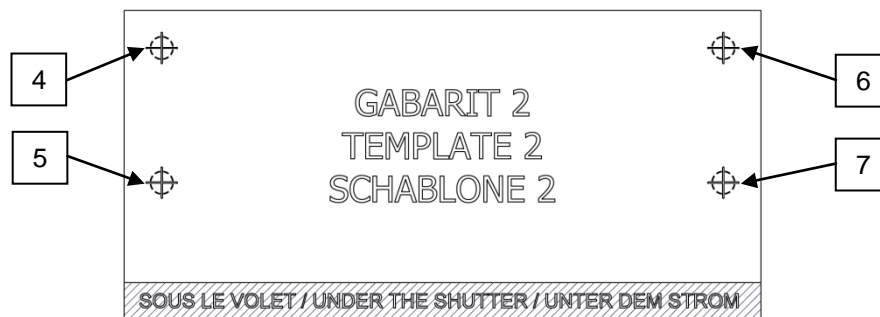
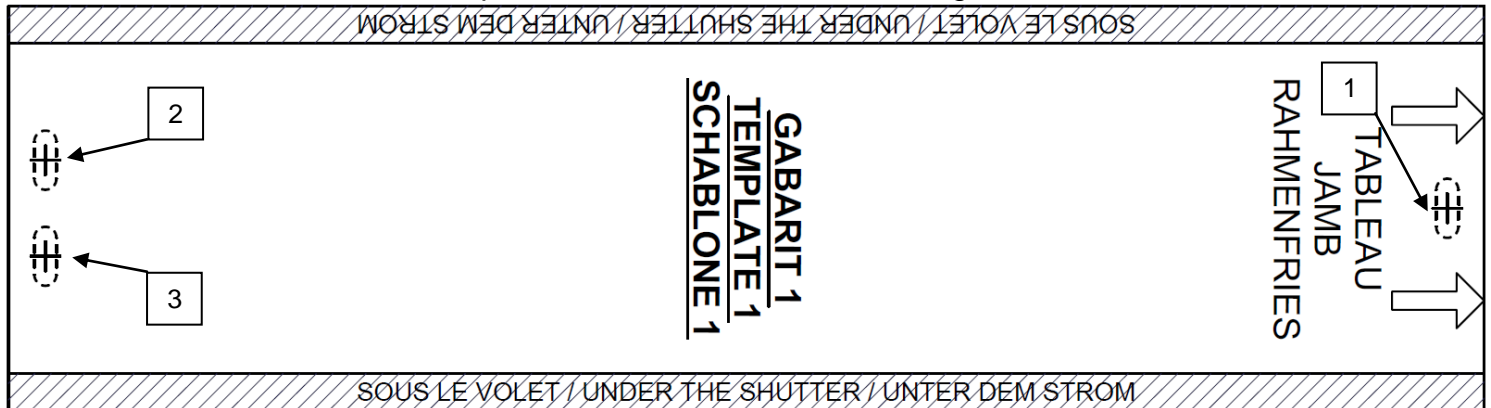


2-3 Mounting the motor for shutter more than 580 mm

2-3-1 Template use

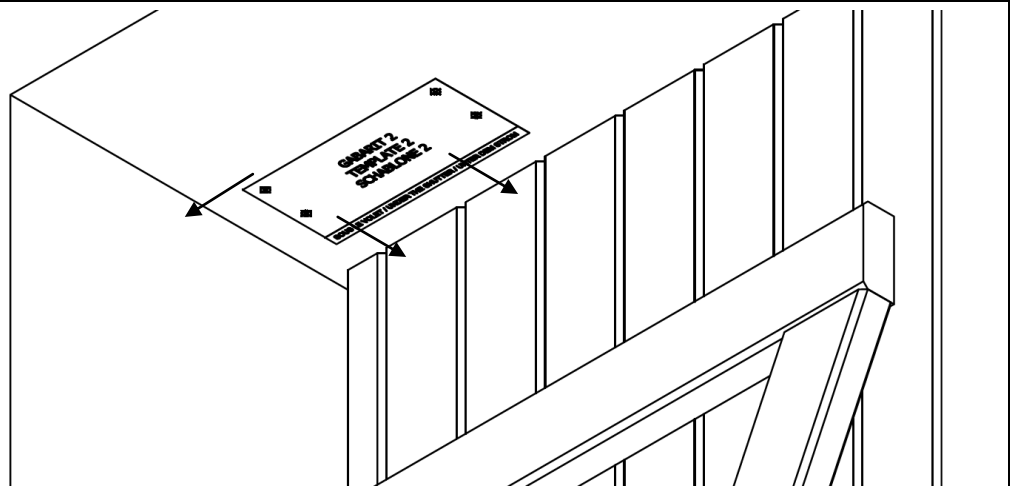
Marks 1, 2, 3: Use to drill the hole for motors 1.

Marks 4,5,6,7: Use to drill the position of the extension on the right side

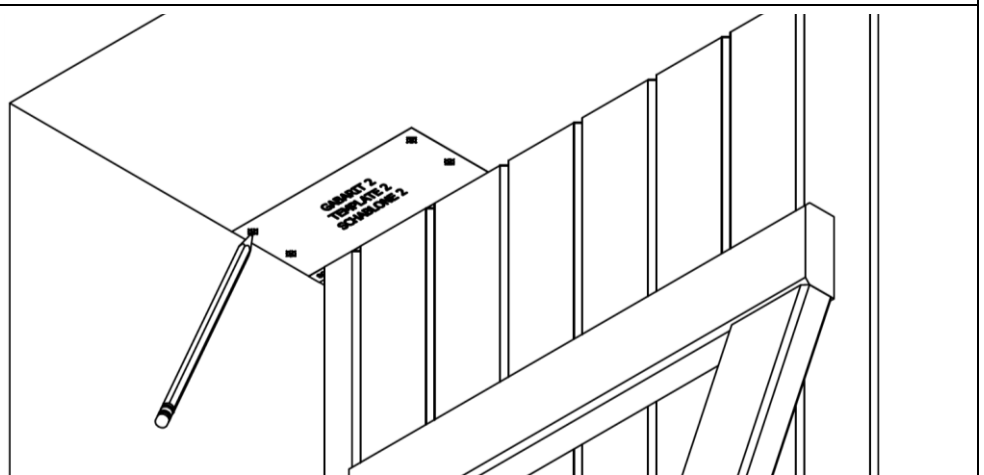


2-3-2 Mounting

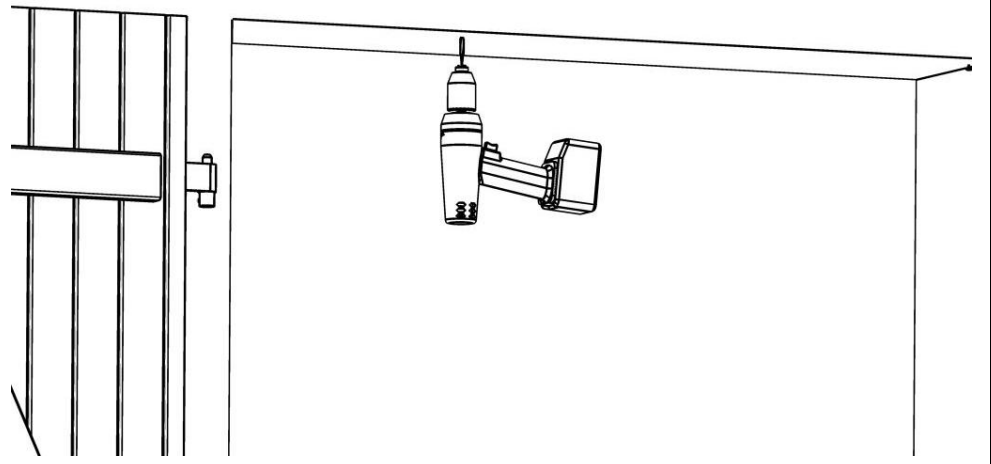
Align the template with the shutter and the wall



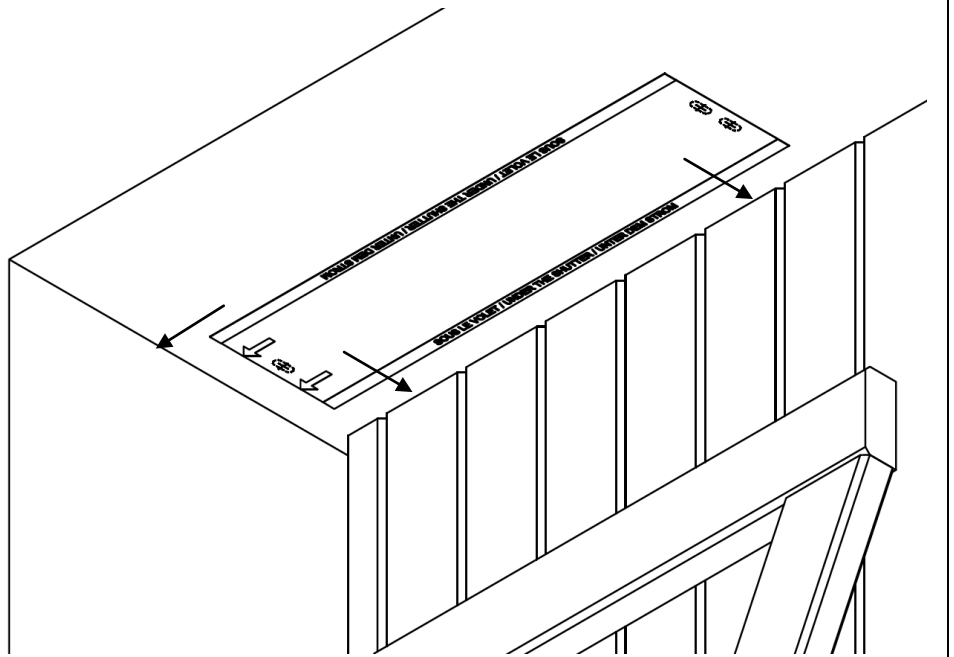
Mark the drill position 4,5,6,7 from template 2



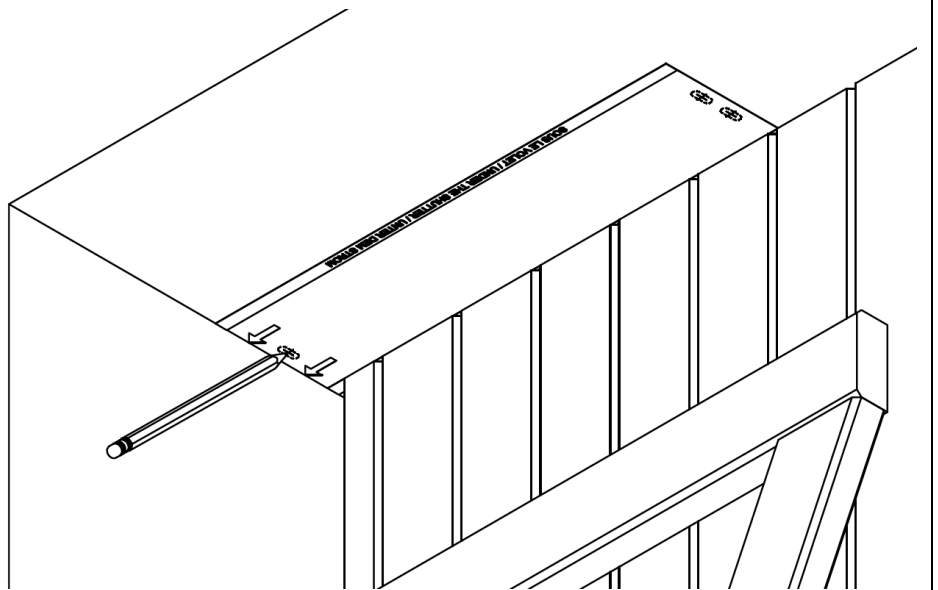
Drill the holes diam 6 and insert the wall plugs



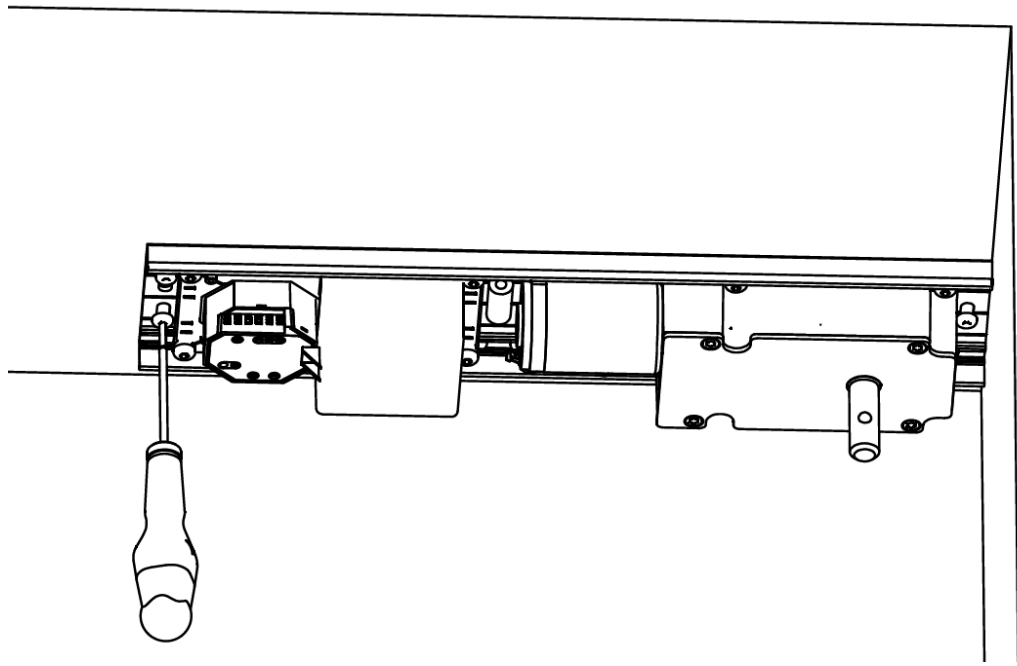
Align the template with the shutter and the wall



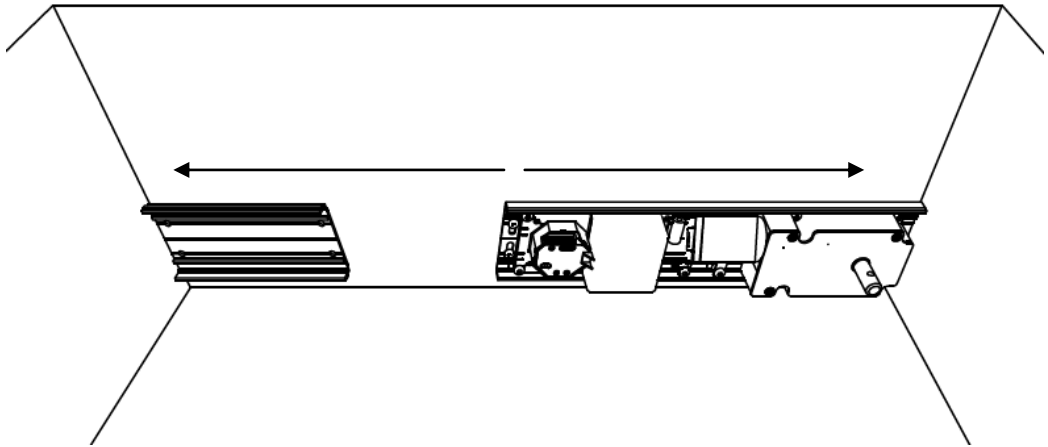
Mark the drill position 1,2,3 For motor



Install the motor without locking the screws.

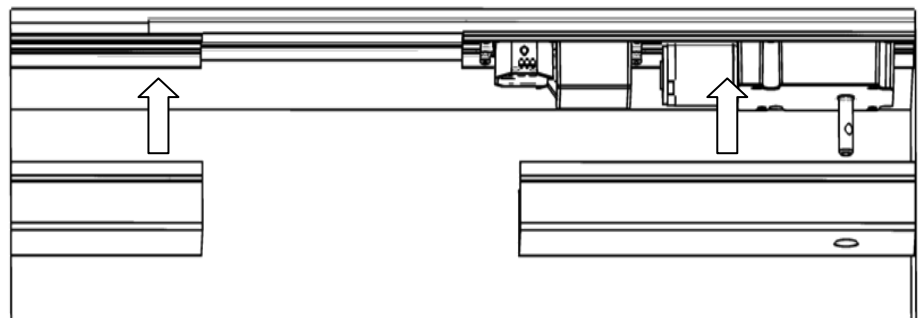


Install the extension. **Check** the alignment with motor1 then **Lock** all the screws.



Put the motor and extension cover

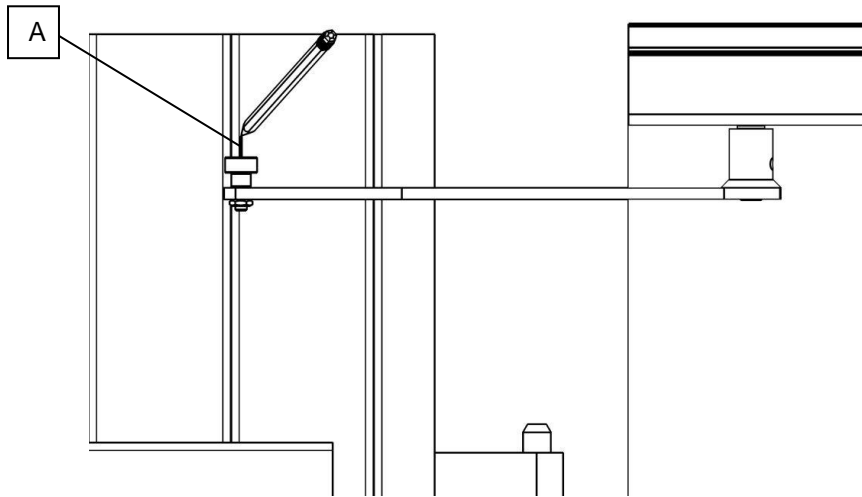
Don't forget to pass the cable through the grommet.



3- Fitting the tracks

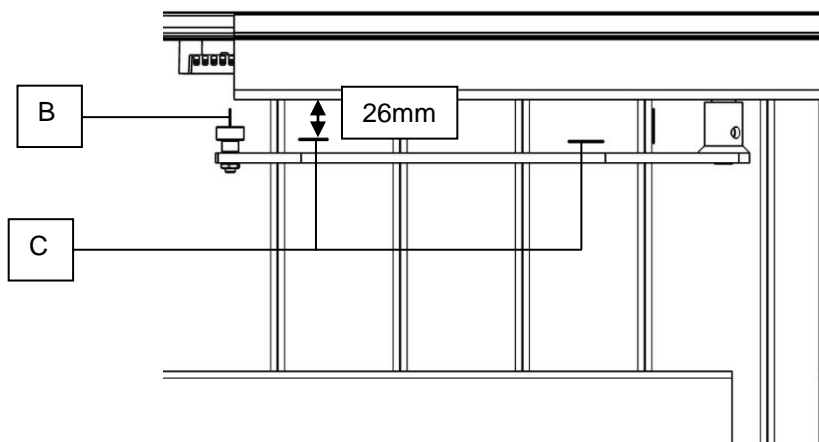
NB: for 400 mm shutters the rail must be placed on the outer edge of the shutter.

3-1 Mark the A position of the roller center with the **shutter open**.

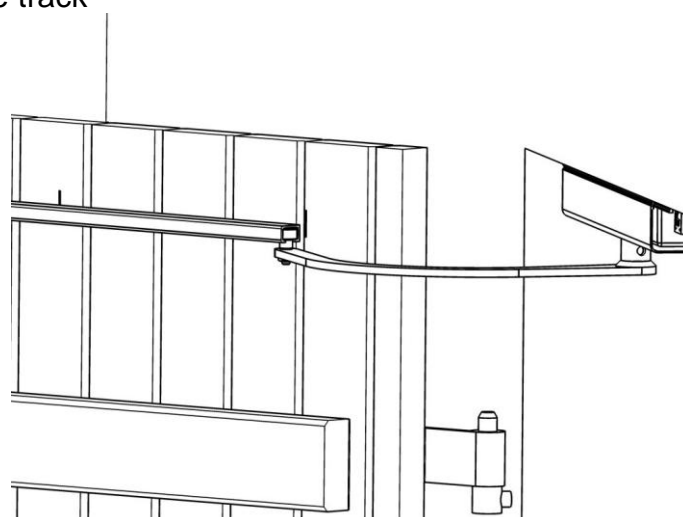


3-2 Mark the B position of the roller center with the **shutter close**.

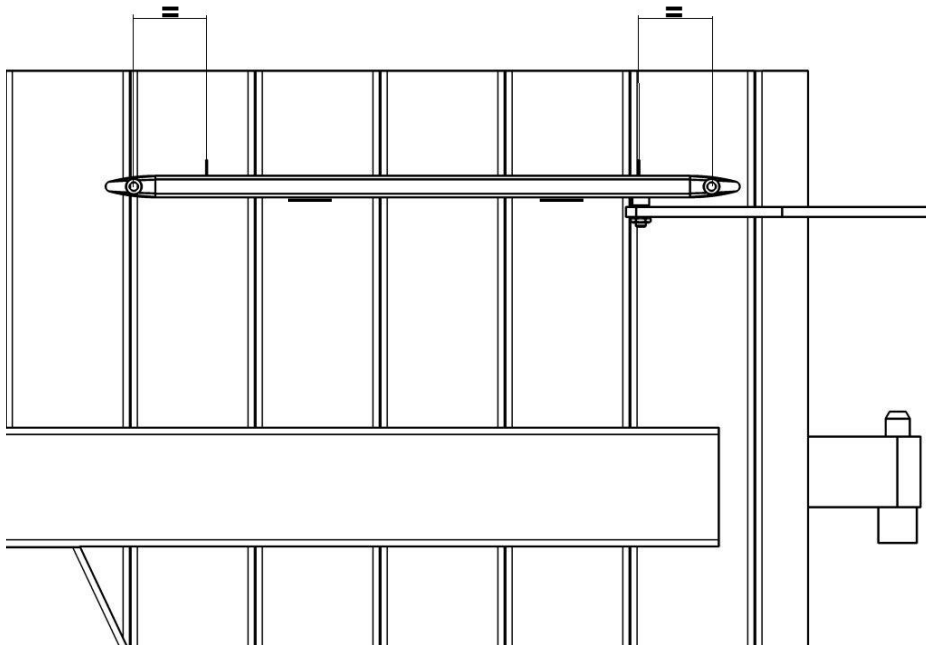
Put 2 marks, name C, at 26mm under the cover to help you to align the track.



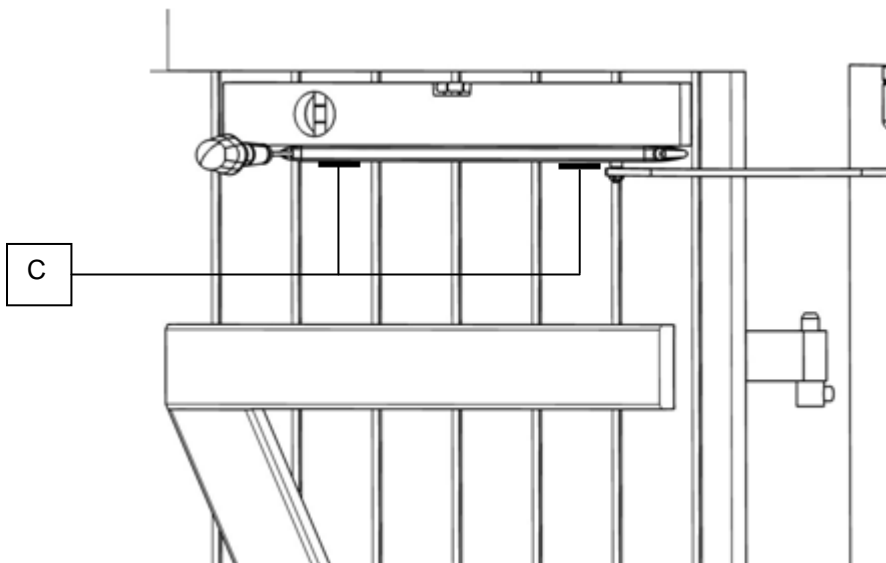
3-3 Slide the roller in the track



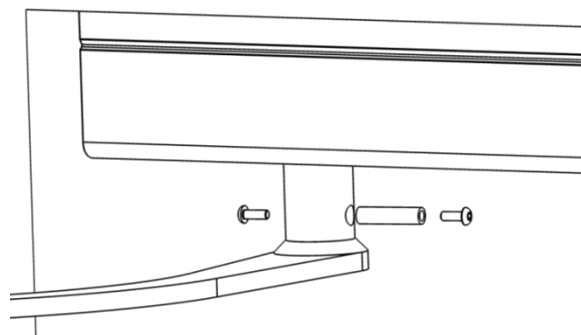
3-4 Mount the 2 end pieces and bring the shutter close to the track.
Position the rail in such a way that the distance between the marks and the screw holes is the same on either side.



3-5 Align the bottom track using the 2 marks C at 26mm and check the level before to tighten the screws



3-6 Check that the shutter rotates properly. The shutter should open and close smoothly.
Rotating the shutter until the hole of the arm goes with the hole of the hinge. Remove the spacer and fit the sleeve.



Repeat steps for the second track

ELECTRICAL CONNECTION



Pay attention to your safety:


- The electrical installation must be carried out in accordance with the national standards in force, as well as any obligations foreseen by the law and/or by all obligations in force, laid down for this purpose.
- Electrical connection must take place without voltage: Do not connect the sector before having disconnected all assembly operations.
- Do not use any switches other than those supplied in the kit.

230V Power supply

The installation must be equipped (L, N) with a two-pole external circuit-breaker (or selector switch) on the primary side, in order to isolate the product if necessary.

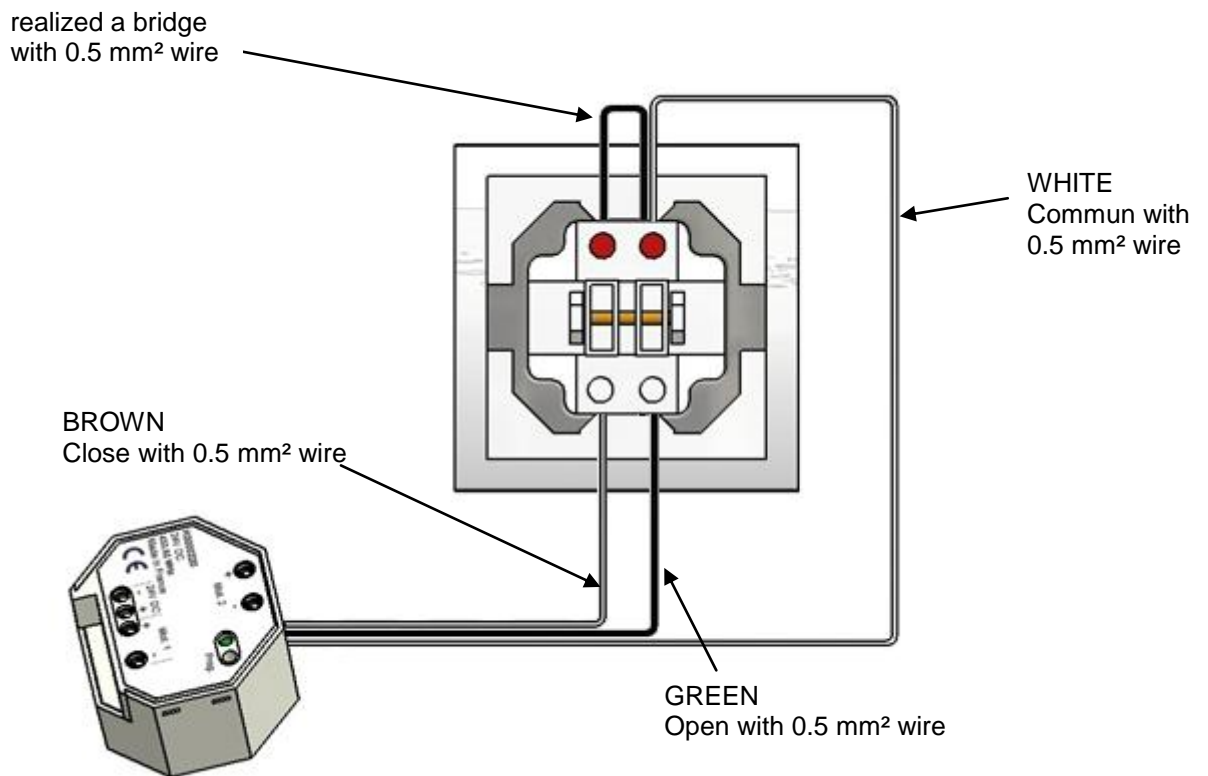
Recommended external protection: Thermal magnetic circuit-breaker 4A, curve C or equivalent

For your safety: check that the installation is powered down when connecting.

Terminals	Phases	Colour
L	Phase	Brown
N	Neutral	Blue
	Earth	Yellow/Green

Connect the wired switch

Pull down keys of the switch to make the connection



Press one of the buttons and at the same time insert the wire into one of the two cavities located below the button. Releasing the button, the wire is then clamped in the cavity. Check by pulling gently on it. Reiterate handling for all three wire.

Installing the radio switch

Screw or glue the radio switch to the desired location at a distance of less than 20 m from the control box.

START UP

Learning

The motors run at slow speed until the learning phase has been completed.

Operating procedure:

The motors operate at low speed so that learning is not made.

Procedure:

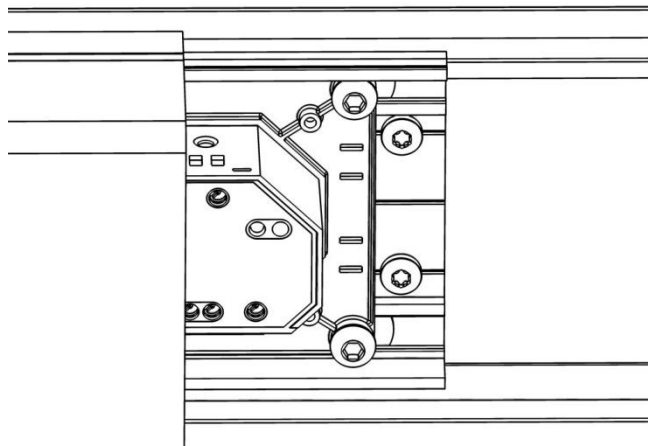
Start the learning cycle: Using a small screwdriver, press the prog button.

(Briefly): The flaps open fully and then close again.

The LED will flash throughout the cycle.

When closing, the shutters 2 starts with 6s behind the wing 1.

When the shutters are closed and the LED stops flashing, the system is operational.



Pairing a radio transmitter

For radio products, it is imperative to pair your radio transmitter by following the instructions provided in the radio pairing instructions (page 27).

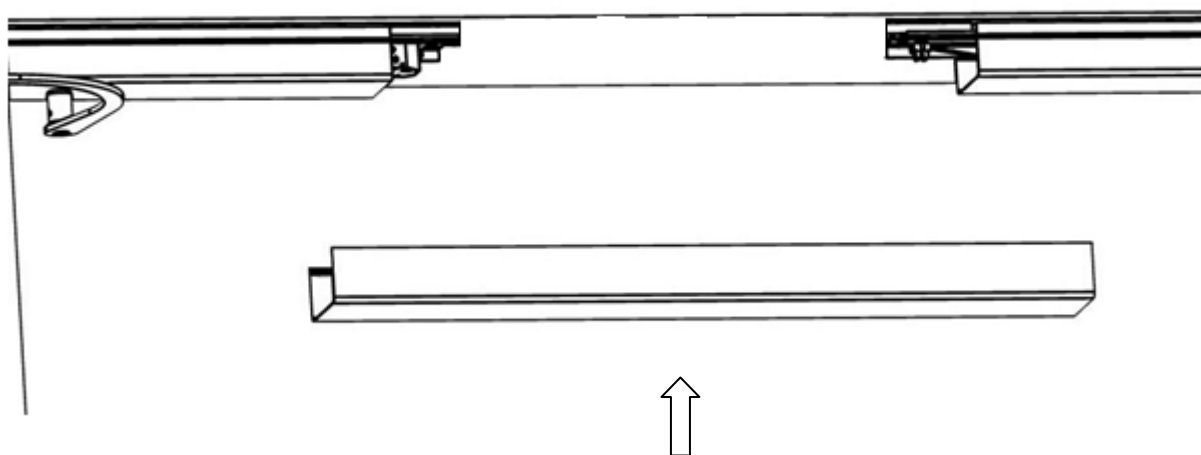
Operating the shutters

Opening of the shutters	Press on the open push button
Closing of the shutters	Press on the close push button
Stopping of the shutters in middle position	Repeat the last command. (Open button when opening in progress) (Button closure if closure in progress.)

WIBAT LINTEAU is equipped with a current-measuring safety device. If any obstacle is detected when the shutter is opening or closing, the shutter reverses its direction and returns to its initial position.

Final mounting.

After verification that the product is working fine, add the final cover.
Centre it between the 2 motors.

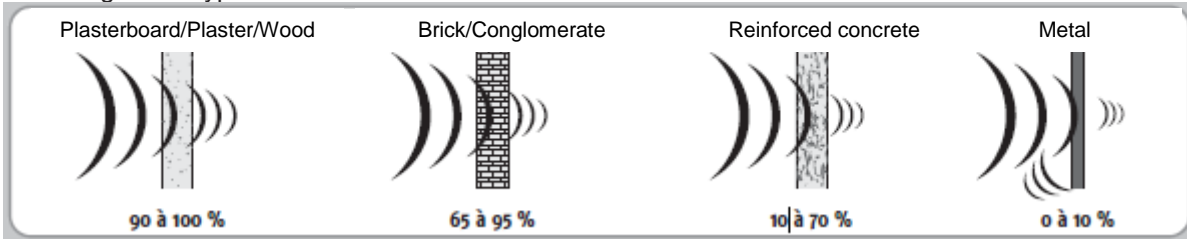


Wireless setup instructions

1 – Radio specifications:

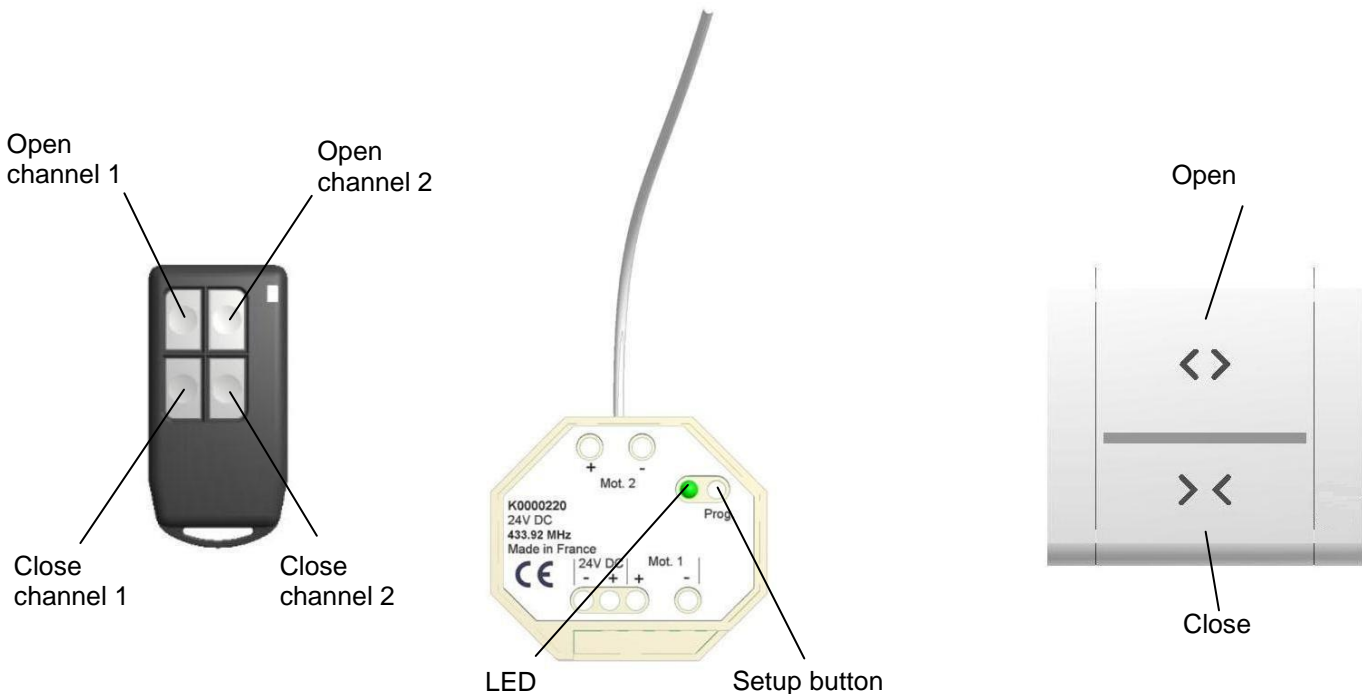
Frequency : 433.92MHz
Transmitter range : approx: 70 metres line-of-sight*

* Propagation of radio waves varies according to the medium they traverse. The range of the radio waves will vary according to the type of construction:



If reception is poor, use the radio repeater ref. C0004760.

2 – Setup



Peering a switch:

1. **Press and hold down the setup button** for roughly 5 seconds.
The LED comes on (the card is in "radio peering" mode)
2. While the LED is on and not flashing: **press the "open" and "close" buttons simultaneously** on the switch.
The LED flashes quickly then goes out: the switch is now peered.

Peering a remote control:

1. **Press and hold down the setup button** for roughly 5 seconds.
The LED comes on (the card is in "radio peering" mode)
2. While the LED is on and not flashing: **press the "open" and "close" buttons simultaneously** for the desired channel on the remote control.
The LED flashes quickly then goes out: the switch is now peered.

Peering a timer:

1. **Press and hold down the setup button** for roughly 5 seconds.
The LED comes on (the card is in "radio peering" mode)
2. While the LED is on and not flashing: **Refer to the timer's setup instructions.**
The LED flashes quickly then goes out: the timer is now peered.

Several Wibat can be peered with the same transmitter, and several transmitters can be peered with the same Wibat.

Disabling a switch:

1. **Press and hold down the setup button** for roughly 5 seconds.
The LED comes on (the card is in "radio peering" mode)
2. **Press and release the setup button**
The LED flashes slowly (card in "radio suppression" mode)
3. While the LED is flashing, **press "open" and "close" simultaneously** on the switch.
The LED flashes quickly then goes out: the button has been disabled.

Disabling a remote control:

1. **Press and hold down the setup button** for roughly 5 seconds.
The LED comes on (the card is in "radio peering" mode)
2. **Press and release the setup button**
The LED flashes slowly (card in "radio suppression" mode)
3. While the LED is flashing, **press the "open" and "close" buttons simultaneously** for the desired channel on the remote control.
The LED flashes quickly then goes out: the remote control has been disabled.

Disabling all transmitters (switches, remote control, timer):

1. **Press and hold down the setup button** for roughly 5 seconds.
The LED comes on
2. **Press and hold down the setup button** for roughly 5 seconds.
The LED flashes quickly then goes out:
-all switches have been disabled,
-learning is cleared too.

Other information

When the board is ready to receive a radio ID code (light on steady – record – or flashing slowly – disable), the LED will go out after 20 seconds of inactivity: the board has reverted to its normal operating mode and you will need to start the procedure from the beginning again.

When the card is in "radio disable" mode, a short press on the setup button will turn off the LED, and the card will revert to normal operating mode.

symptoms	probable Causes	Solutions
The motors do not work	The control unit is not powered	Check the connection of the control box to power supply.
The motors operate at low speed	Learning problem	Repeat the learning procedure (see manual)
The motors do not slow down at the end of the stroke	Learning problem	Repeat the learning procedure (see manual)
The shutters do not move during the learning process	Start the learning cycle when the shutters are open	Close the shutters and repeat the learning cycle (see manual)
The shutter with overlap is the first to close	Motor 1 and motor 2 connections inverted	Toggle the switch to change direction located on the product (see instructions)
Wired version: press closing the shutters open	Bad connection of the command button	Check the connection of the button (see instructions)
Pressing closing a shutter opens, other closes	Bad connection of the motor 2	Invert the connection the motor 2 (see instructions)
Pushing open the shutters are closing	Bad connection of the command button	Check the connection of the button (see instructions)
Pressing opening a shutter opens, other closes	Bad connection of the motor 2	Invert the connection the motor 2 (see instructions)
The shutter begins its course and returns to its position	Presence of an obstacle	Remove the obstacle
The shutter goes too far at the close	No end stops	Check for a stop shutters top and bottom
The motor rotates but the shutter does not open (or not close)	Connecting sleeve hinge broken or missing.	Put a sleeve
The motors are not running on a request for opening or closing	The control is defective	For wired, check the connection of the button. For the radio, check that the batteries are not defective (The LED should light pressure on
The shutter does not close and / or does not open completely The shutter does not close and / or does not open completely	The rail is incorrectly mounted	Check the mounting of rail (see instructions)

