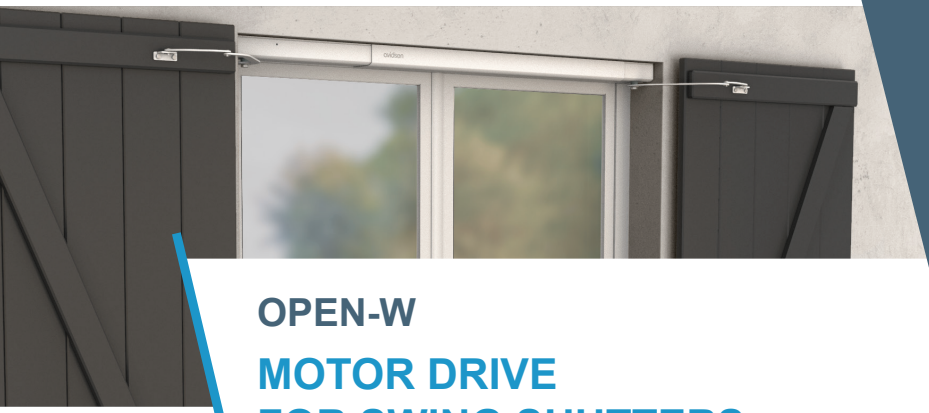
avidsen



PHONE SUPPORT

3 YEARS
WARRANTY

EN

OPEN-W

MOTOR DRIVE FOR SWING SHUTTERS

For single or double panel shutters

Ref. 114600

140 CM
(FOR DOUBLE PANEL)

100 CM
(FOR SINGLE PANEL)

KG
30 KG

www.avidsen.com

CONTENTS

A - SAFETY INSTRUCTIONS

1 - OPERATING PRECAUTIONS

- Follow all instructions as incorrect installation may lead to serious injury.
- The Avidsen company shall not be held liable in case of damage if installation is not conducted as indicated in this manual.
- This product should only be used for its intended purpose, that is to motorise a swing shutter. Any other use will be considered dangerous.
- It is strictly forbidden to modify any of the components provided in this kit, or to use an additional component not provided for in this manual.
- The electrical installation of the motorised shutters must meet current standards (NF C 15-100) and should preferably be undertaken by a qualified person.
- This device is not intended for use by children or persons with reduced physical, sensory or mental abilities or lack of experience or familiarity, unless they are supervised by someone responsible for their safety or have been provided prior instructions concerning the use of the device. Children should be supervised to make sure that they do not play with the device.
- Install any fixed control device at a height of at least 1.5 m within sight of the shutter but away from moving parts.
- Make sure the characteristics of the shutter to be fitted are compatible with the rated torque and assigned operating duration.
- Keep an eye on the shutter while it is moving and keep people away until it is completely closed.

2 - MAINTENANCE AND CLEANING

- Read all the instructions given in this manual before carrying out maintenance on the product.
- Before carrying out any maintenance, disconnect the power supply (circuit breaker set to 'OFF').
- Do not make any modifications to the drive without the agreement of our technical support department.
- In the event of breakdown, the damaged part should be replaced by an original part and nothing else.
- Periodically check the installation for any signs of wear or damage to the shutter, the mechanical parts and the mounting.
- Do not use the device if repairs or configuration are required.

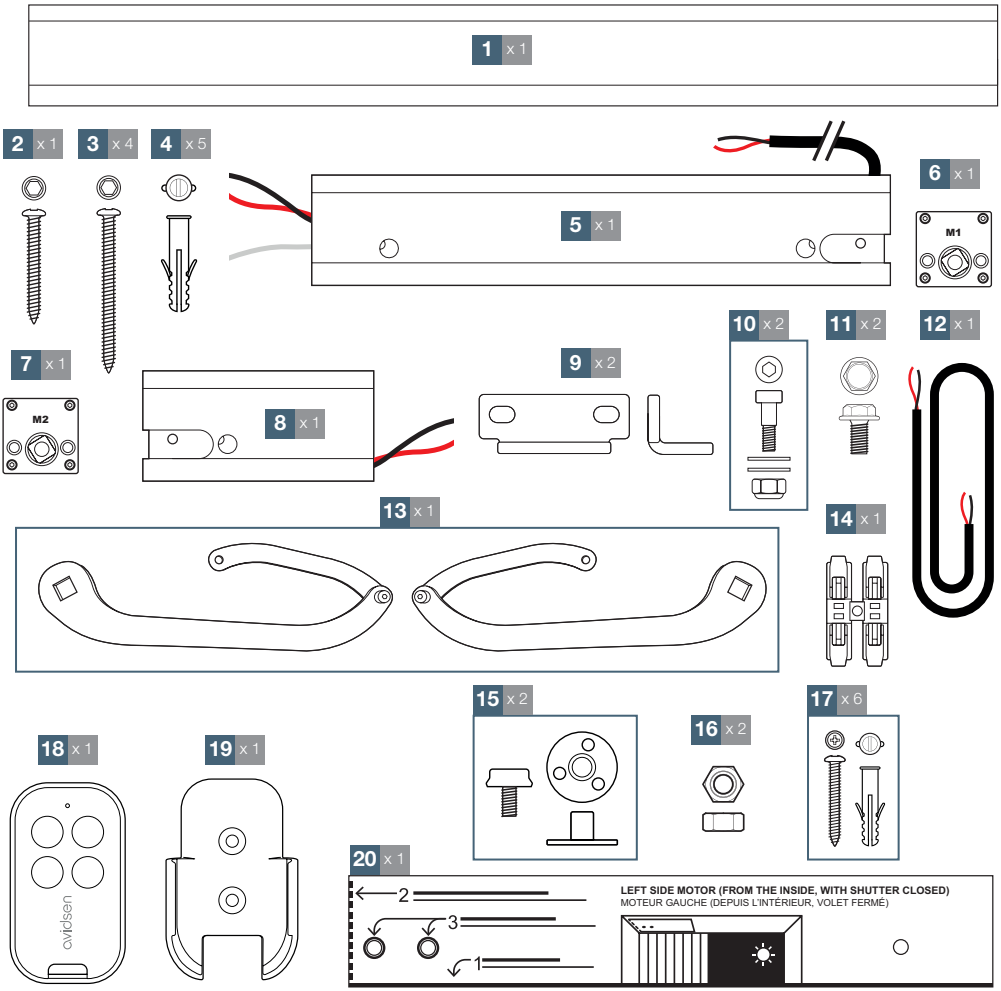
3 - RECYCLING

The disposal of used batteries in household waste is strictly forbidden. Batteries/accumulators containing harmful substances are marked with symbols (shown opposite) which indicate that it is forbidden to discard them in the household waste. The corresponding heavy metals are referred to as follows: Cd = cadmium, Hg = mercury, Pb = lead.
You can dispose of these used batteries/accumulators at local waste facilities (centres for sorting recyclable materials), which are required to accept them. Keep batteries/button cells/accumulators out of reach of children and store them in a safe place not accessible to them. They could be swallowed by children or pets. Risk of death! In the event that a battery is swallowed, consult a doctor or go to A&E immediately. Never short-circuit the batteries, and do not burn or recharge them as they may explode!

This symbol means that devices no longer in use should not be disposed of with household waste. The hazardous substances they may contain can be harmful to health and the environment. Return the equipment to your local distributor or use the recycling collection service provided by your local council.

B - PRODUCT DESCRIPTION

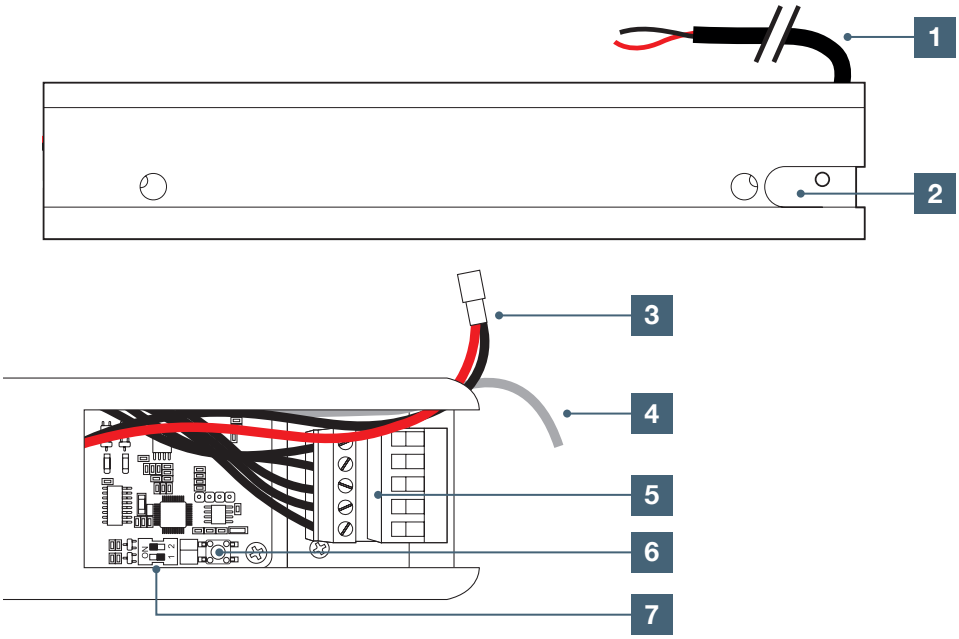
1 - KIT CONTENTS



1	Protective casing
2	Motor mounting screw (short)
3	Motor mounting screw (long)
4	Plug for motor mounting screw
5	M1 motor
6	M1 transfer case
7	M2 transfer case
8	M2 motor
9	Shutter arm bracket
10	Screw connecting the arm to the shutter

11	Arm-motor bolt
12	M2 motor connection cable
13	Pivoting arms
14	Quick connector
15	Shutter stop
16	Stop adjustment nut
17	Screw and plug for fastening stop
18	Remote control
19	Remote control holder
20	Installation template

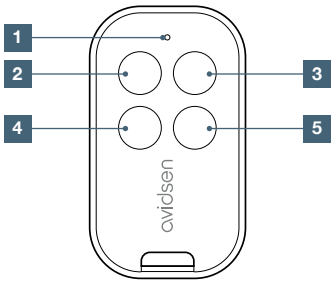
2 - MOTOR



1	230 V connection cable
2	M1 transfer case location
3	Solar kit connection cable (not available)
4	Radio antenna

5	M2 motor connection terminal block and wired switch
6	Push button
7	Switch 1- M1 and M2 invert button 2- Single-panel mode

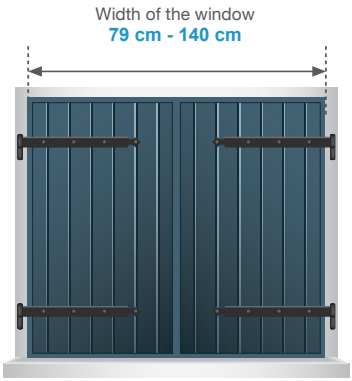
3 - REMOTE CONTROL



1	Indicator light
2	Motor 1 open button
3	Motor 1 close button
4	Motor 2 or motor unit open button
5	Motor 2 or motor unit close button

C - INSTALLATION

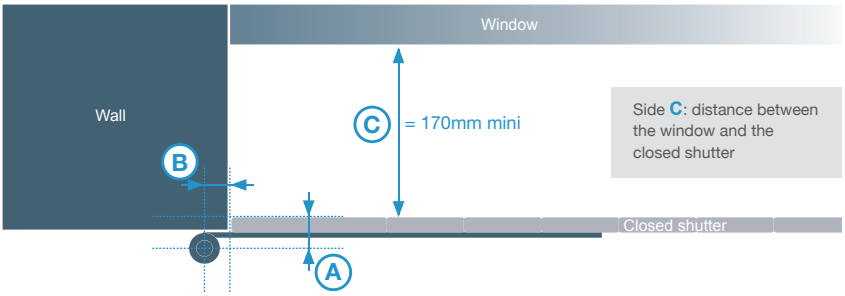
1 - SPECIFICATION OF THE SHUTTER TO BE MOTORISED



Shutter with **2 panels**, maximum weight of **30 kg per panel**

Shutter with **1 single left panel**, maximum weight **30 kg**

Shutter with **1 single right panel**, maximum weight **30 kg**



The combination of side A and side B must be a grey box (✓) in the table below so that the motor drive can be installed.

Side **C**: distance between the window and the closed shutter = at least 170 mm.

The combination of side **A** and side **B** must be a bluish box in the table opposite so that the motor drive can be installed.

A (mm) \ B (mm)	10	20	30	40	50
20	✓	✓	✓	✓	✓
30	✓	✓	✓	✓	✓
40	✓	✓	✓	✓	
45	✓	✓	✓	✓	
50	✓	✓	✓		
55	✓	✓	✓		
60	✓	✓	✓		
65	✓	✓	✓		

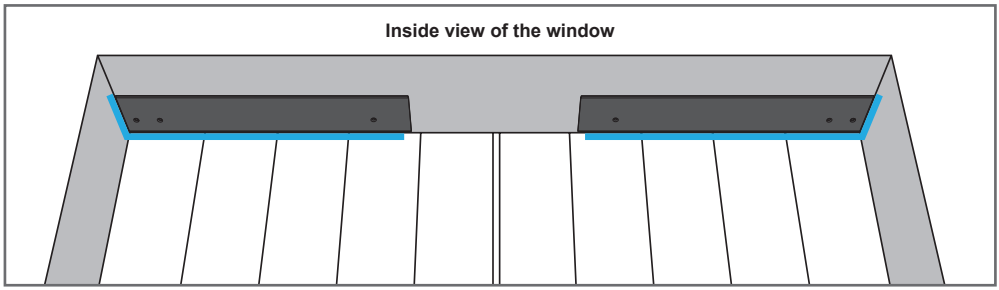
2 - INSTALLING THE MOTOR

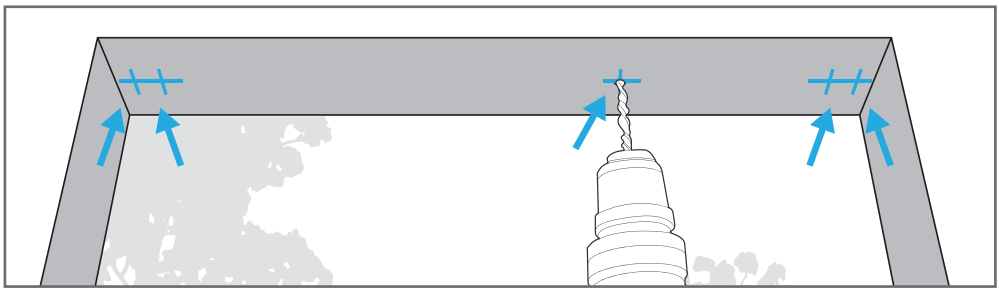
- To motorise a 2-leaf swing shutter, follow step 1
- To motorise a 1-leaf swing shutter opening to the right, follow step 2a
- To motorise a 1-leaf swing shutter opening to the left, follow step 2b

The motor drive must be installed at the top of the window, not at the bottom.

STEP 1 – 2-LEAF SWING SHUTTER

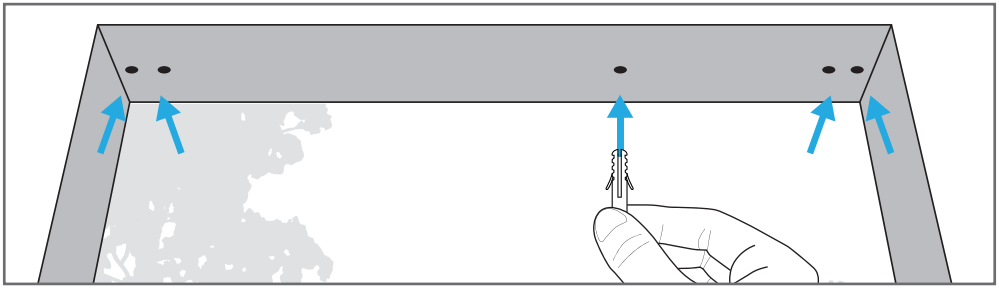
1. Close the shutters
2. Place the “right motor” installation template to the right of the window. The template must be stuck to the right-hand wall and against the shutter
3. Mark the 3 holes to be drilled
4. Turn the “left motor” installation template around and place it to the left of the window. The template must be stuck to the left-hand wall and against the shutter
5. Mark the 2 holes to be drilled
6. The shutters can be opened at this stage to make installation easier. Drill the 5 holes using a suitable 12 mm drill bit, if you are using the plugs and screws supplied in the kit. These plugs are suitable for installation in solid concrete.



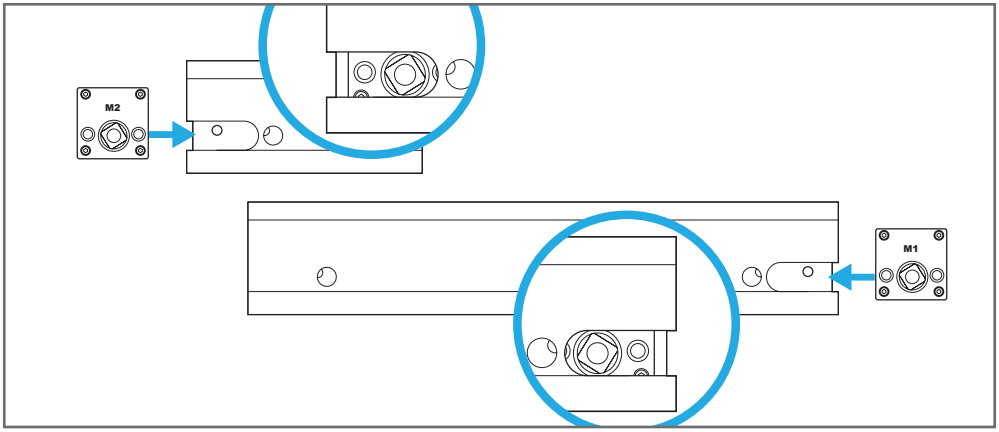


C - INSTALLATION STEP 1 – 2-LEAF SWING SHUTTER

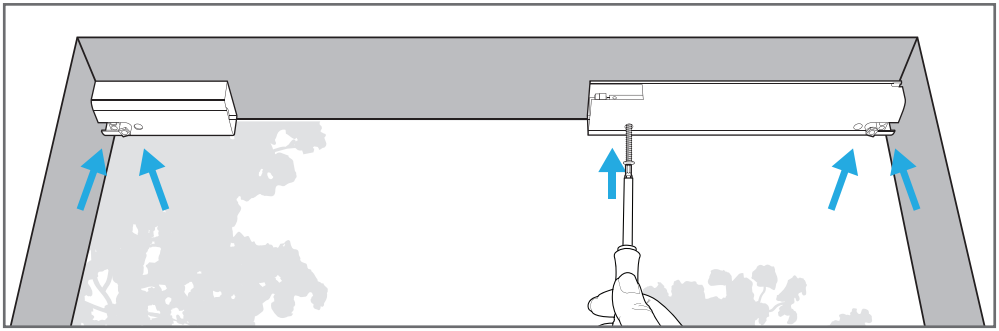
7. Insert the plugs



8. Insert the M1 transfer case into the M1 motor and insert the M2 transfer case into the M2 motor. If necessary, use a rubber mallet to insert the transfer case.

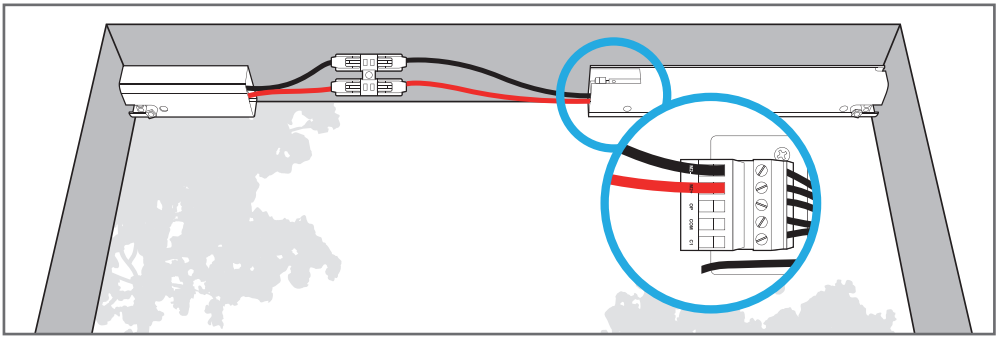


9. Secure the right and left motors using the screws supplied. An Allen key is required.
The right motor (to which the power supply is connected) **must be installed on the right** (inside view)

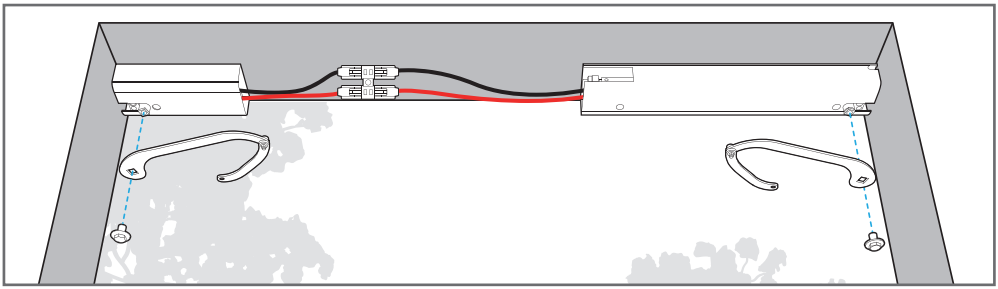


C - INSTALLATION STEP 1 – 2-LEAF SWING SHUTTER

10. Connect the M2 motor to the “M2-” and “M2+” terminal blocks on the circuit board.
Use cable 12 and quick connector 14.

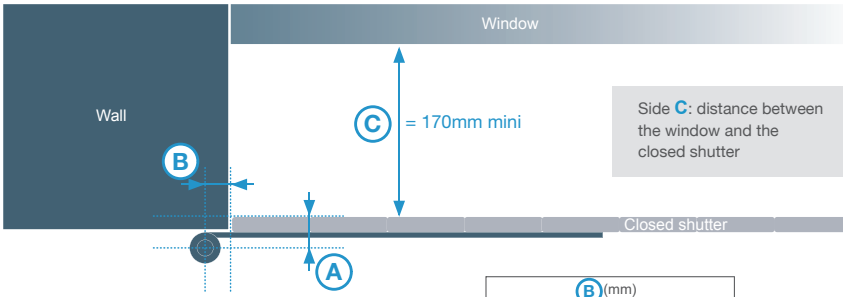


11. Pivoting arm installation: use bolt 11 to secure the arms to each transfer case.
Note: remember to tighten the arms connection at the elbow and wrist. This assembly must remain loose, so do not overtighten.



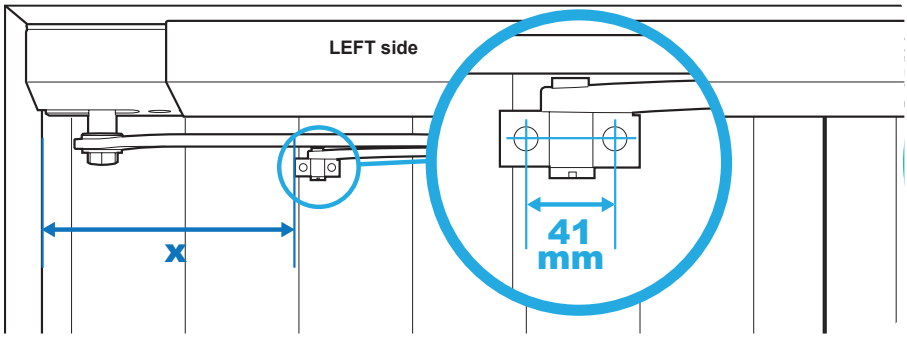
C - INSTALLATION STEP 1 – 2-LEAF SWING SHUTTER

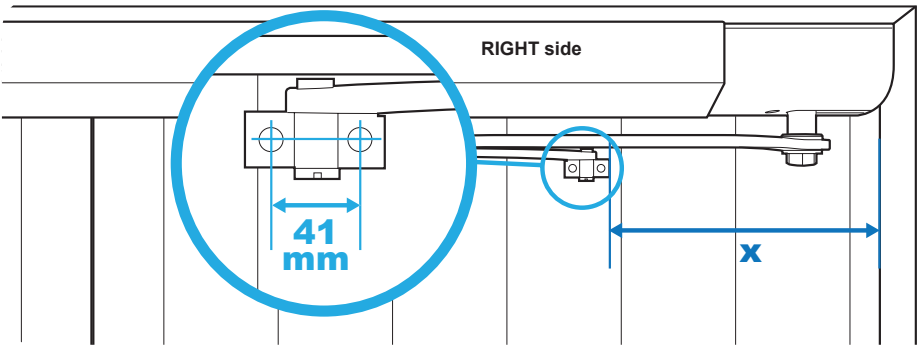
12. Installing the arm bracket for shutter 9



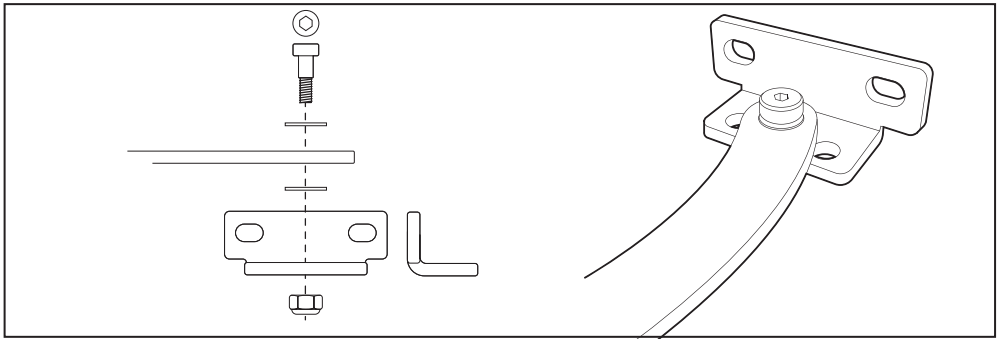
Measure **A** and **B**and then determine side X (in mm) from the table above. Position the arms horizontally.

A (mm) \ B (mm)	10	20	30	40	50
20	195	195	175	165	155
30	185	185	175	155	155
40	175	175	165	155	
45	165	165	160	155	
50	165	165	160		
55	160	160	160		
60	160	160	155		
65	155	155	155		



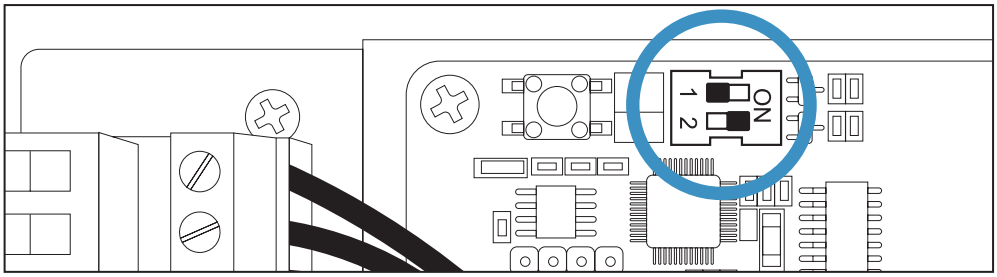


13. Connecting the arm to the shutter with mounting screw 10
Note: this assembly must remain loose, so do not overtighten the joints. The washers must be positioned as shown in the diagram below

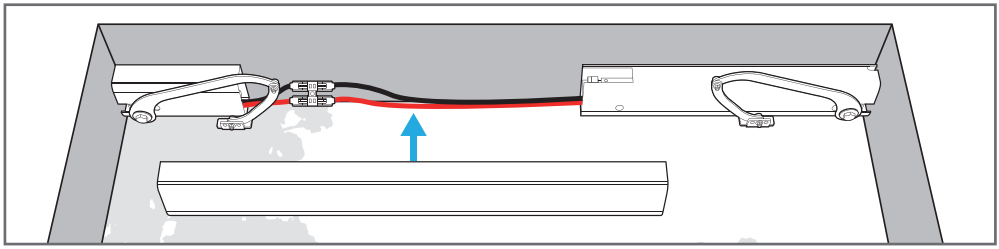


14. Settings before start-up:
If you did not configure the switches correctly before powering up, switch the motor drive off for 30s. Change the position of the switches, wait another 30 seconds and then switch the motor drive back on.

Type of opening	Switch 1 position	Switch 2 position
Double-panel opening. The right motor opens first	ON	ON
Double-panel opening. The left motor opens first	OFF	ON



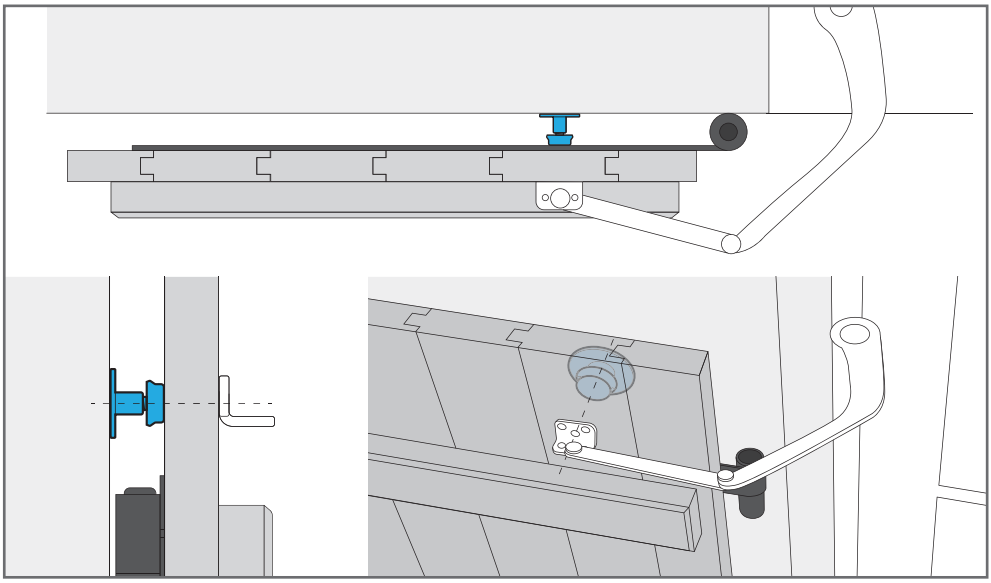
Close the protective casing. Cut it again if necessary.



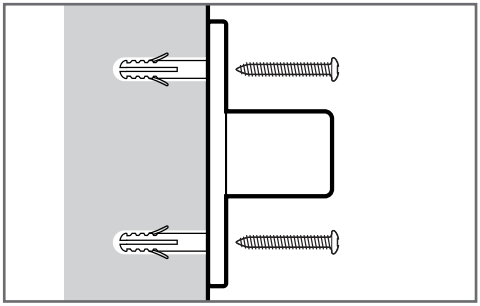
C - INSTALLATION STEP 1 – 2-LEAF SWING SHUTTER

15. Fitting the stop:

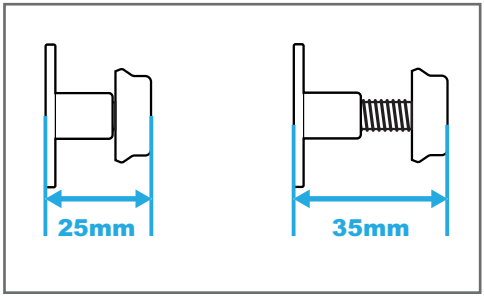
A - Place the stop at the back of the leaves, where the arm is pressed against the leaf



B - Fasten the stop with suitable screws and plugs (the ones included in the kit enable fixing into solid concrete)



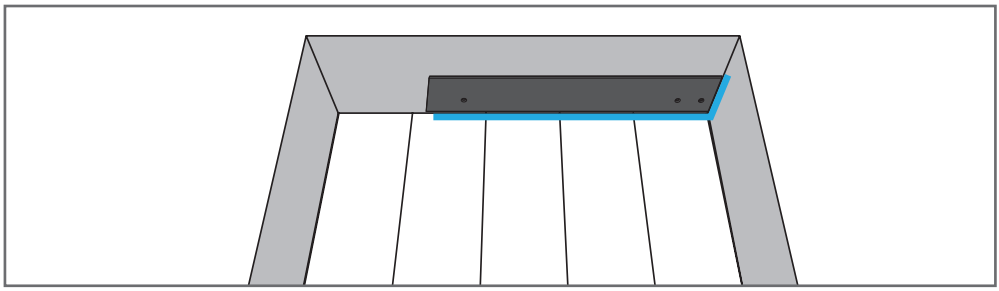
C - Adjust the depth of the stop, which can be adjusted from 25 mm to 35 mm (use nut “16” if necessary to lock the position of the stop)

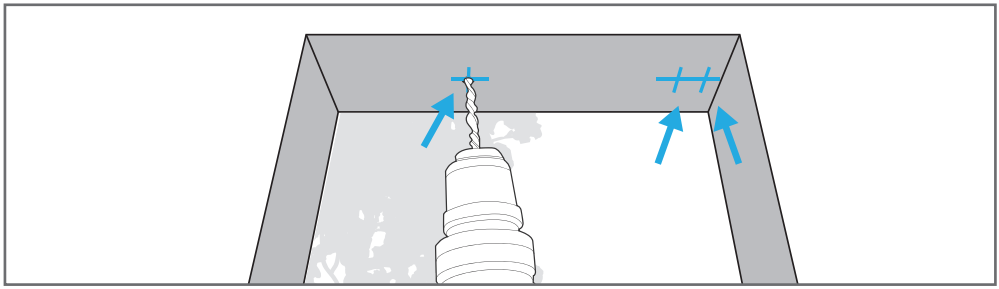


16. Go to the motor drive connection step

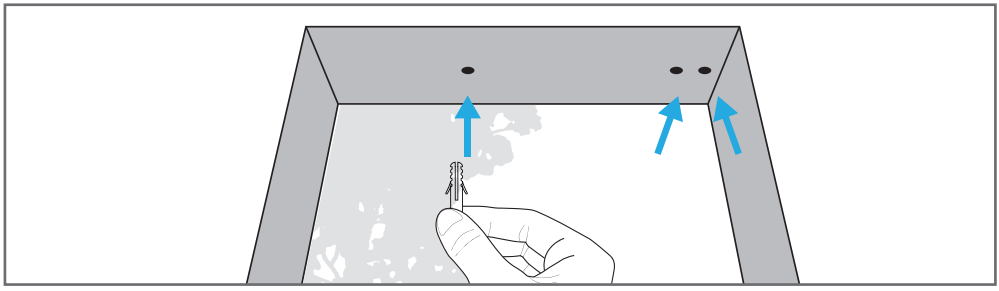
STEP 2A – 1-LEAF SWING SHUTTER – OPENING TO THE RIGHT

1. Close the shutter
2. Place the **"right motor"** installation template to the right of the window. The template must be stuck to the right-hand wall and against the shutter
3. Mark the 3 holes to be drilled
4. The shutter can be opened at this stage to make installation easier. Drill the 3 holes using a suitable 12 mm drill bit, if you are using the plugs and screws supplied in the kit. These plugs are suitable for installation in solid concrete.



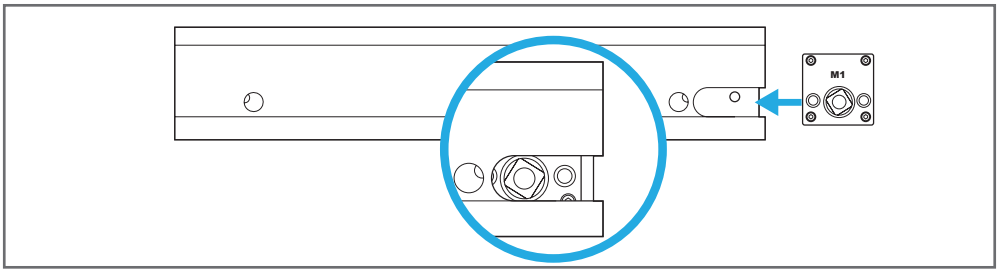


5. Insert the plugs

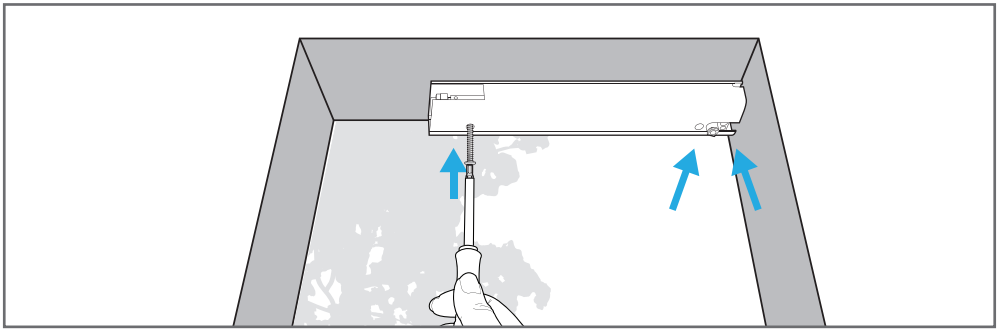


C - INSTALLATION STEP 2A – 1-LEAF SWING SHUTTER - OPENING TO THE RIGHT

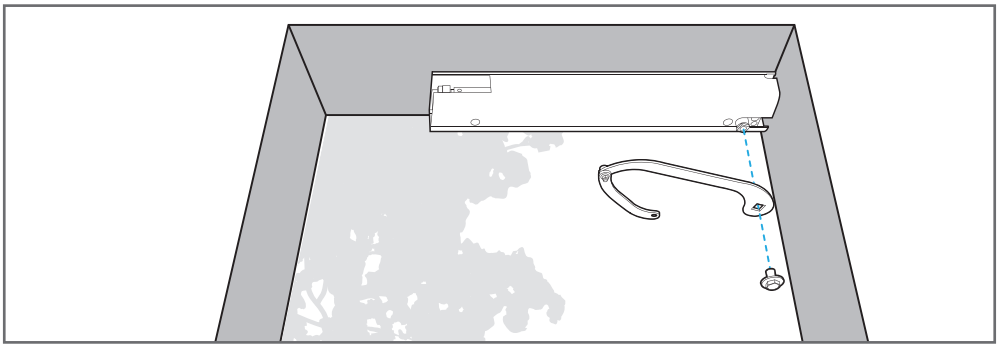
6. Insert the M1 transfer case into the M1 motor. If necessary, use a rubber mallet to insert the transfer case



7. Secure the right motor using the screws supplied. An Allen key is required.

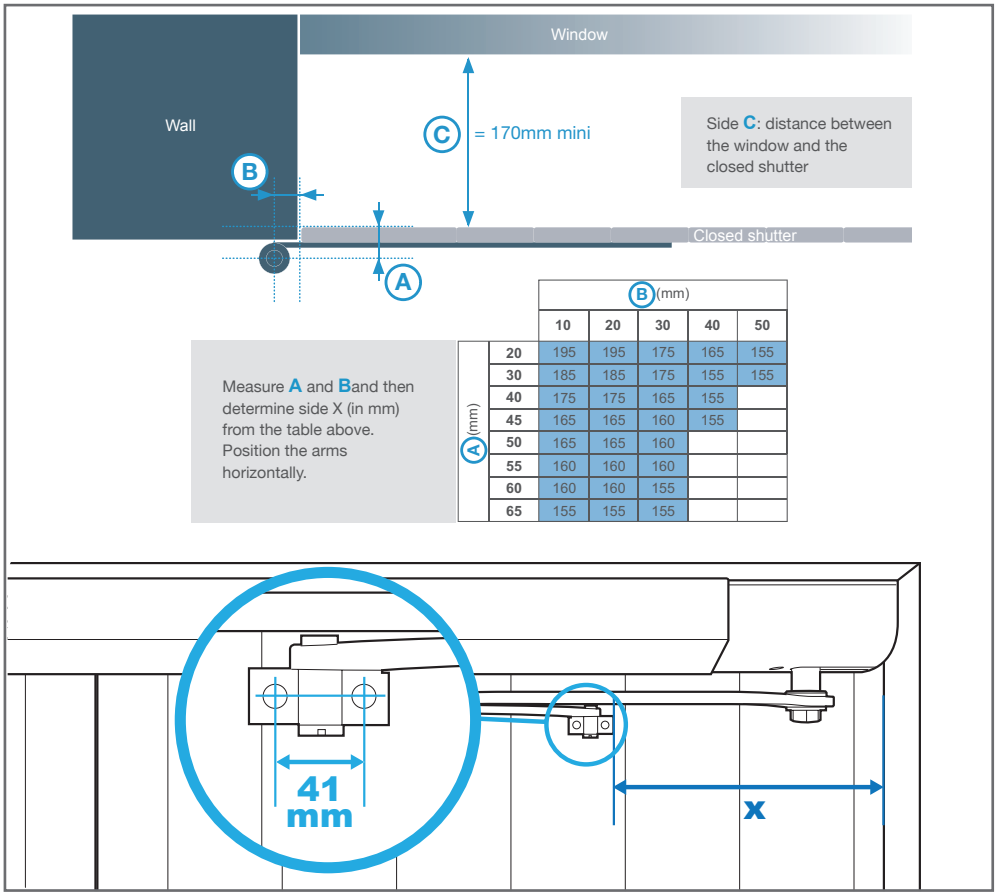


8. Pivoting arm installation: use bolt 11 to secure the arms to the M1 transfer case.



C - INSTALLATION STEP 2A – 1-LEAF SWING SHUTTER - OPENING TO THE RIGHT

9. Installing the arm bracket for shutter 9

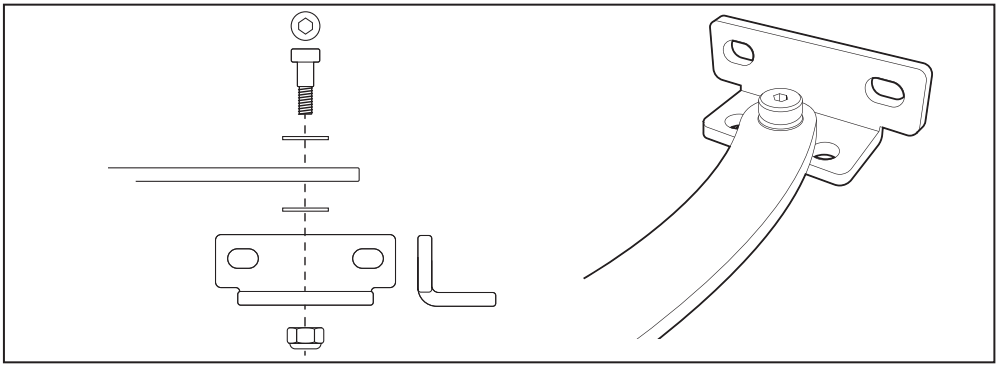


Measure **A** and **B**and then determine side X (in mm) from the table above. Position the arms horizontally.

A (mm) \ B (mm)	10	20	30	40	50
20	195	195	175	165	155
30	185	185	175	155	155
40	175	175	165	155	
45	165	165	160	155	
50	165	165	160		
55	160	160	160		
60	160	160	155		
65	155	155	155		

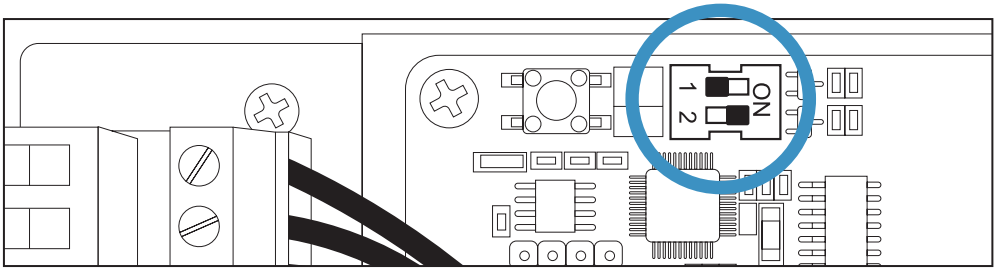
C - INSTALLATION STEP 2A – 1-LEAF SWING SHUTTER - OPENING TO THE RIGHT

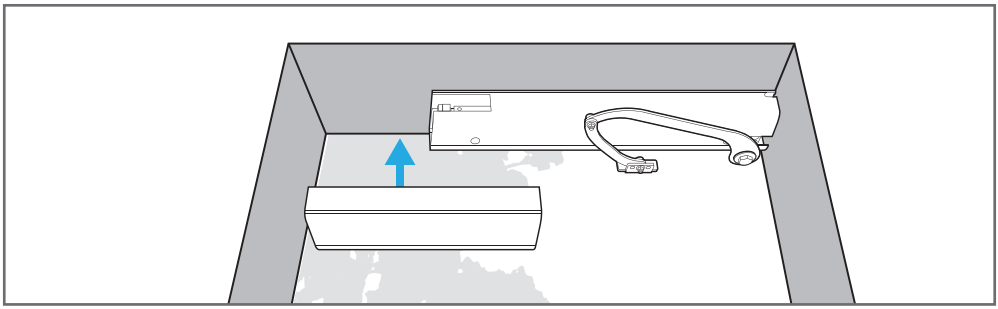
10. Connecting the arm to the shutter with mounting screw 10
Note: this assembly must remain loose, so do not overtighten the joints. The washers must be positioned as shown in the diagram below



11. Settings before start-up:
If you did not configure the switches correctly before powering up, switch the motor drive off for 30s. Change the position of the switches, wait another 30 seconds and then switch the motor drive back on.

Type of opening	Switch 1 position	Switch 2 position
Single-panel opening Opening to the right	ON	OFF

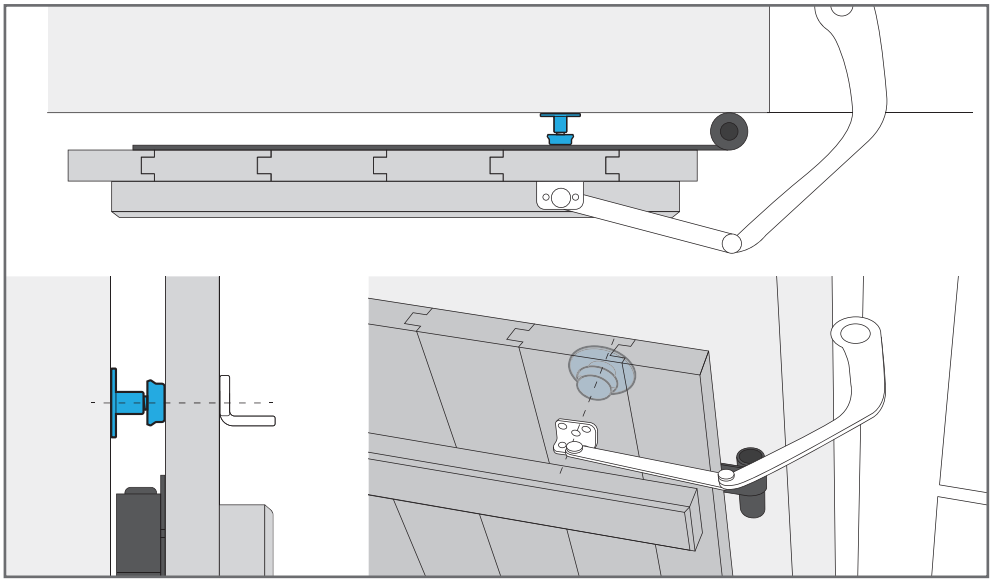




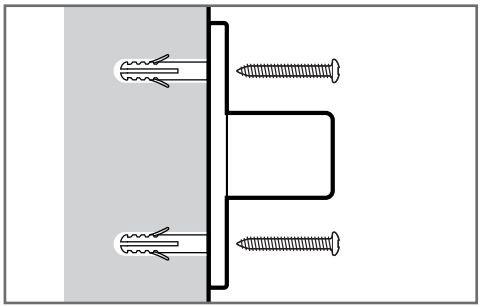
C - INSTALLATION STEP 2A – 1-LEAF SWING SHUTTER - OPENING TO THE RIGHT

12. Fitting the stop:

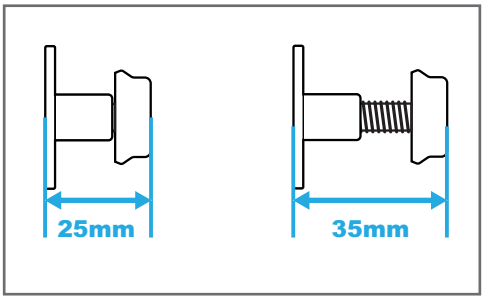
A - Place the stop at the back of the leaves, where the arm is pressed against the leaf



B - Fasten the stop with suitable screws and plugs (the ones included in the kit enable fixing into solid concrete)



C - Adjust the depth of the stop, which can be adjusted from 25 mm to 35 mm (use nut “16” if necessary to lock the position of the stop)

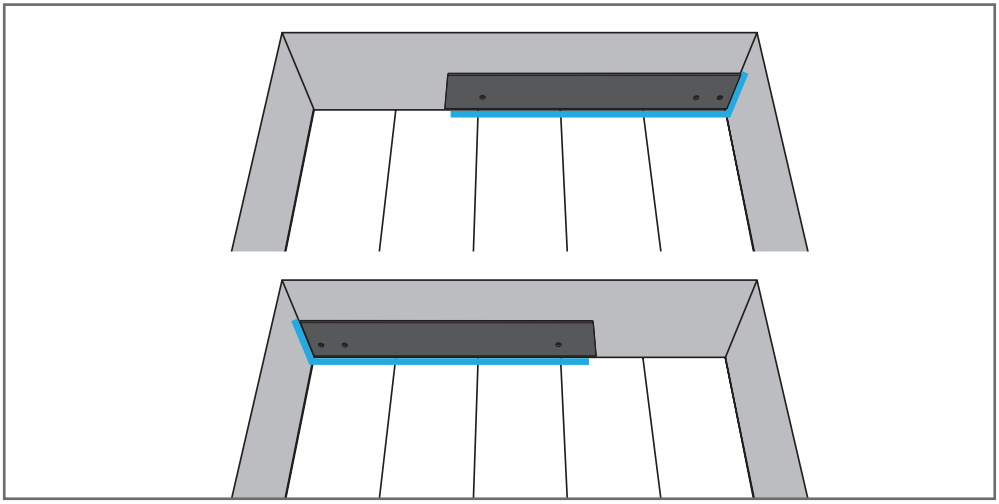


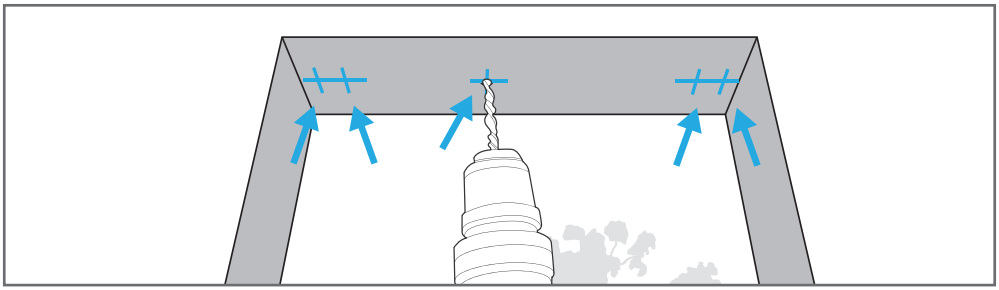
13. Go to the motor drive connection step

C - INSTALLATION

STEP 2B – 1-LEAF SWING SHUTTER – OPENING TO THE LEFT

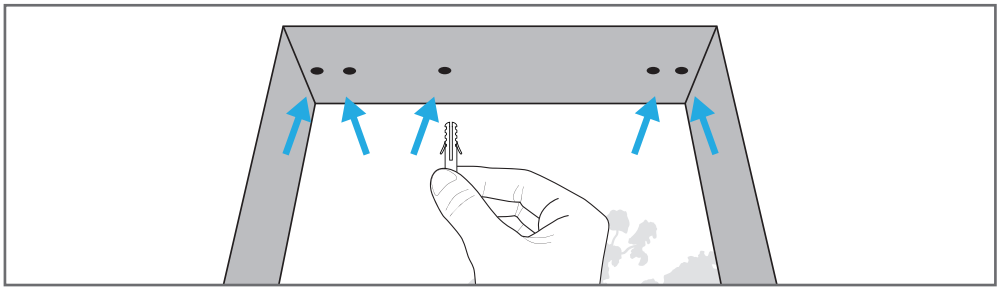
1. Close the shutters
2. Place the **"right motor"** installation template to the right of the window. The template must be stuck to the right-hand wall and against the shutter
3. Mark the 3 holes to be drilled
4. Place the **"left motor"** installation template to the left of the window. The template must be stuck to the left-hand wall and against the shutter
5. Mark the 2 holes to be drilled
6. The shutters can be opened at this stage to make installation easier. Drill the 5 holes using a suitable 12 mm drill bit if you are using the plugs and screws supplied in the kit. These plugs are suitable for installation in solid concrete.



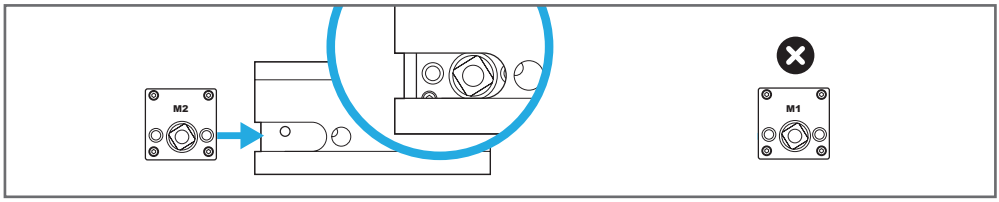


C - INSTALLATION STEP 2B – 1-LEAF SWING SHUTTER - OPENING TO THE LEFT

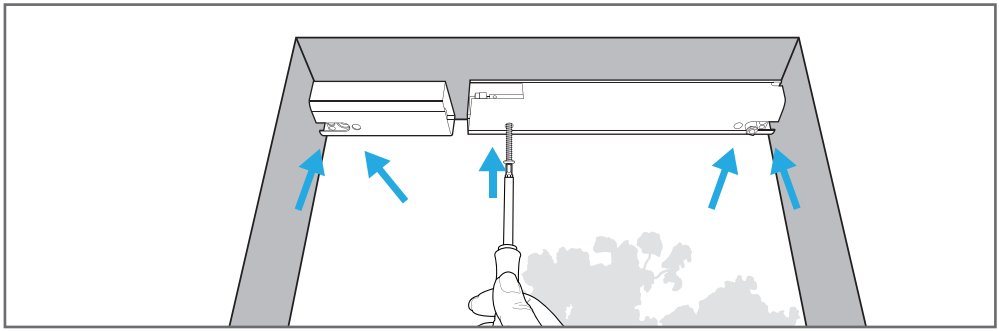
7. Insert the plugs



8. Insert the M2 transfer case into the M2 motor; the M1 transfer case will not be used. If necessary, use a rubber mallet to insert the transfer case.

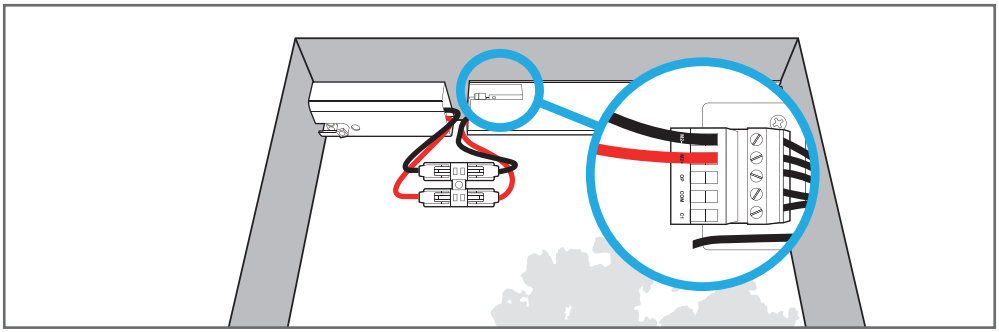


9. Secure the left motor using the screws supplied. An Allen key is required.

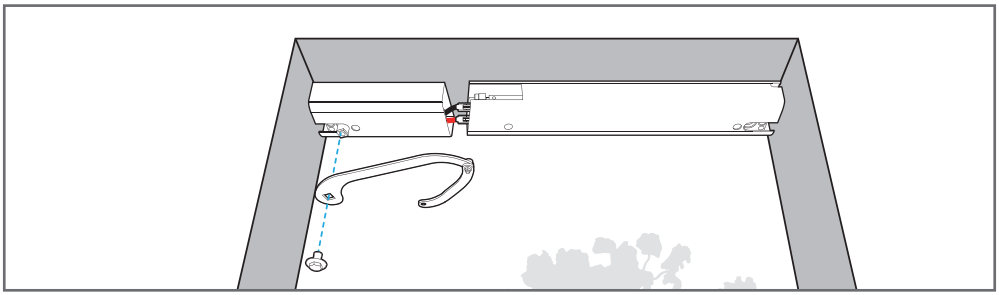


C - INSTALLATION STEP 2B – 1-LEAF SWING SHUTTER - OPENING TO THE LEFT

10. M2 motor connection. Use cable 12 and quick connector 14

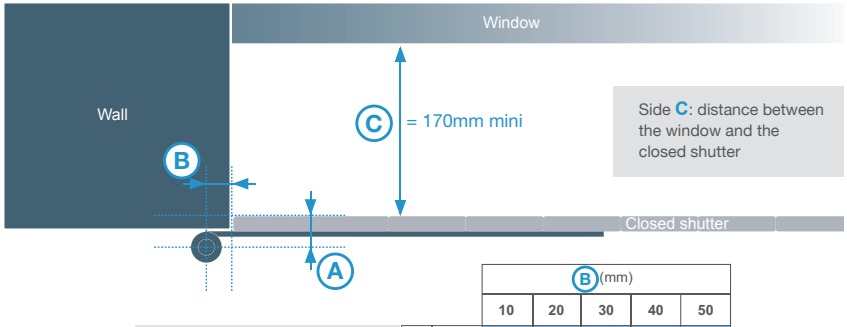


11. Pivoting arm installation: use bolt 11 to secure the arm to the M2 transfer case.
Note: remember to tighten the arm connection at the elbow and wrist. This assembly must remain loose, so do not overtighten.



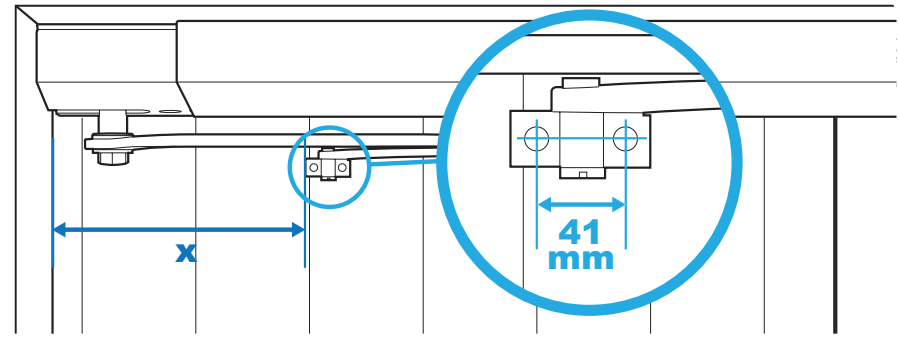
C - INSTALLATION STEP 2B – 1-LEAF SWING SHUTTER - OPENING TO THE LEFT

12. Installing the arm bracket for shutter 9



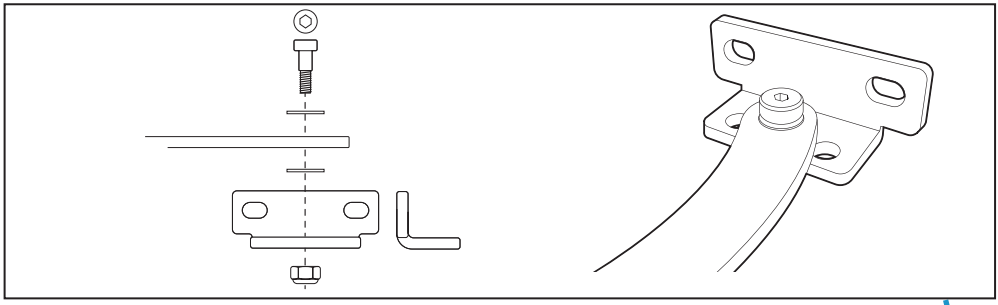
Measure **A** and **B**and then determine side X (in mm) from the table above. Position the arms horizontally.

A (mm) \ B (mm)	10	20	30	40	50
20	195	195	175	165	155
30	185	185	175	155	155
40	175	175	165	155	
45	165	165	160	155	
50	165	165	160		
55	160	160	160		
60	160	160	155		
65	155	155	155		



13. Connecting the arm to the shutter with mounting screw 10

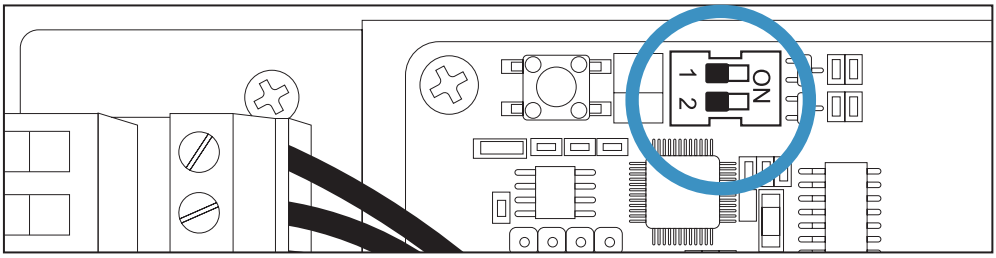
Note: this assembly must remain loose, so do not overtighten the joints. The washers must be positioned as shown in the diagram below



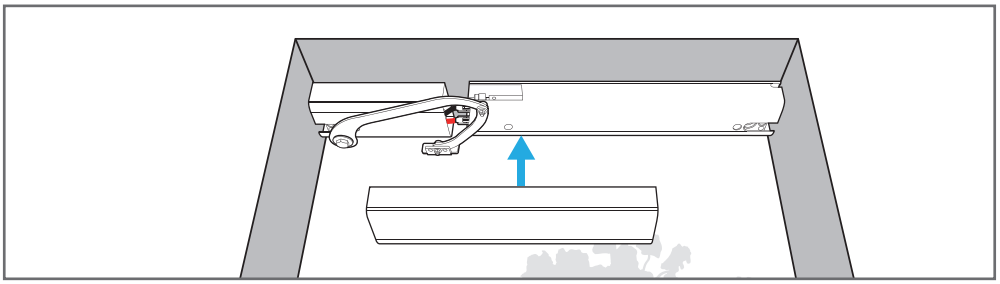
C - INSTALLATION STEP 2B – 1-LEAF SWING SHUTTER - OPENING TO THE LEFT

14. Settings before start-up:
If you did not configure the switches correctly before powering up, switch the motor drive off for 30s. Change the position of the switches, wait another 30 seconds and then switch the motor drive back on.

Type of opening	Switch 1 position	Switch 2 position
Single -panel opening. Opening to the left	OFF	OFF



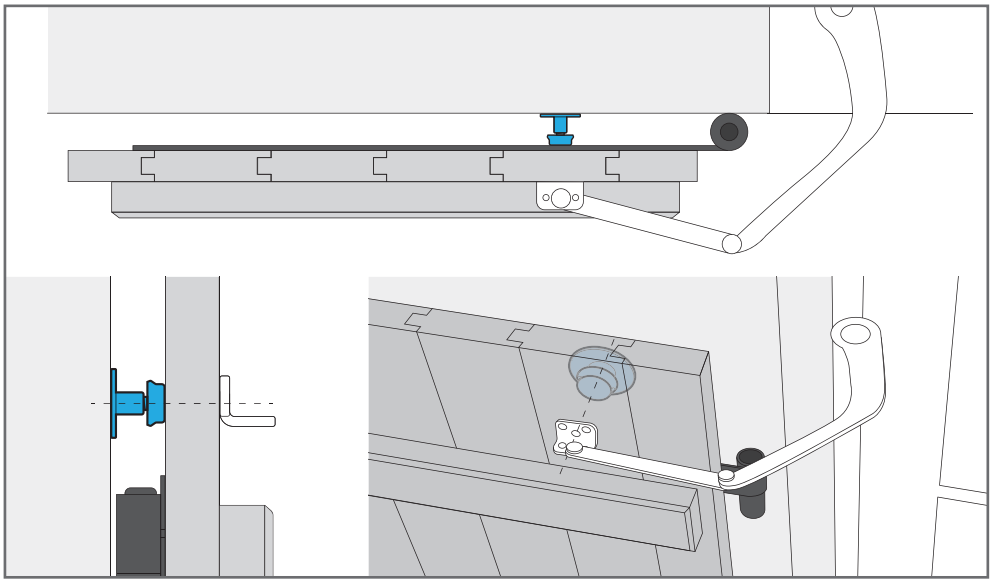
Close the protective casing. Cut it again if necessary.



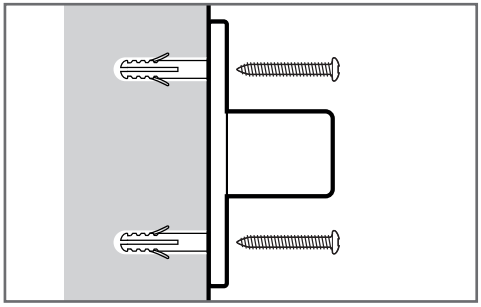
C - INSTALLATION STEP 2B – 1-LEAF SWING SHUTTER - OPENING TO THE LEFT

15. Fitting the stop:

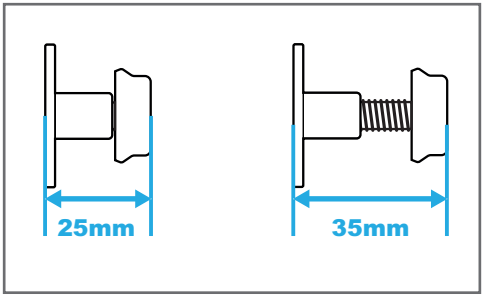
A - Place the stop at the back of the leaves, where the arm is pressed against the leaf



B - Fasten the stop with suitable screws and plugs (the ones included in the kit enable fixing into solid concrete)



C - Adjust the depth of the stop, which can be adjusted from 25 mm to 35 mm (use nut “16” if necessary to lock the position of the stop)

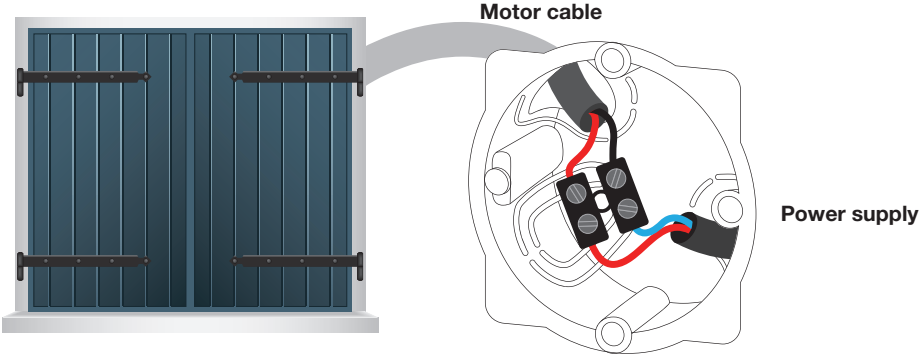


16. Go to the motor drive connection step

C - INSTALLATION

3 - CONNECTING THE MOTOR DRIVE

Safety instructions:
All electrical connections must be performed with the power switched off (safety switch in OFF position). These connections must be made by a qualified electrician.
Connect the power cable to the mains using at least 2 x 0.75 mm² cable.
Important notes:
The electrical line must solely be used to power your swing shutter motor drive and protected by a fuse or circuit breaker and a differential device (30 mA). It must be compliant with the applicable electrical safety standards.



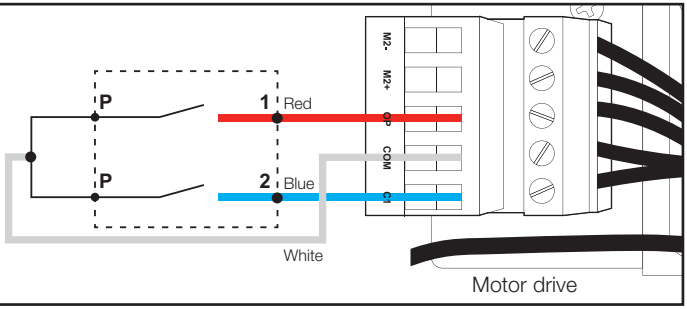
Connection to a recess-mount housing using automatic connectors or electrical terminal strips

4 - CONNECTING A WIRED CONTROL SWITCH (OPTIONAL)

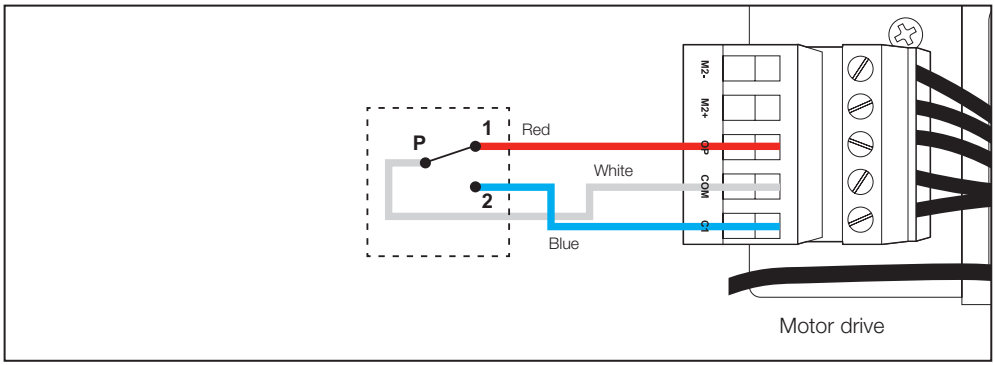
The control principle involves bringing the white wire into contact with one of the other two wires depending on whether you want to open or close the shutter.
- White and blue in contact: close
- White and red in contact: open

2 push buttons

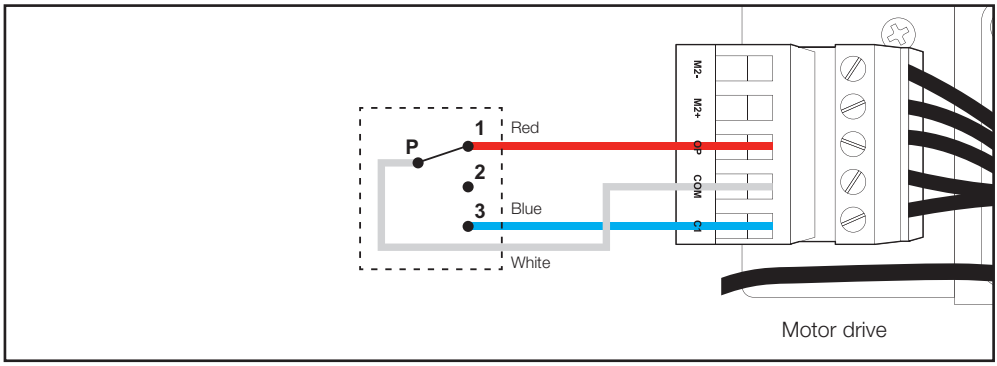
PLEASE NOTE:
Do not connect these three wires to the 230 V mains, as they carry very low voltage control signals.



1 two-position button



1 three-position button



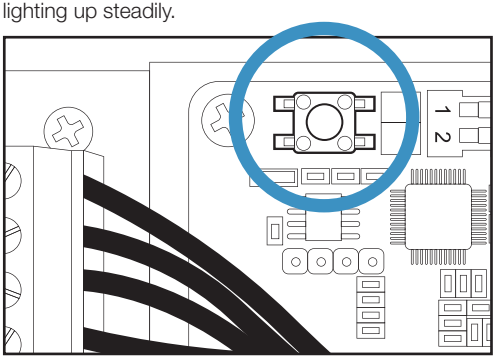
As there is a wide variety of shutter control switches, follow the control principle as set out above in order to wire the switch correctly.

D - CONFIGURATION

1 - PROGRAMMING A REMOTE CONTROL

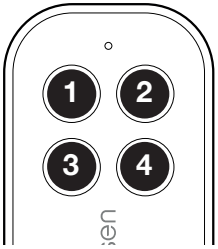
Note: This motor drive is compatible with all remote controls for Avidsen gate motor drives from the last 10 years.
Not compatible with the keypad.

1 - Press the button of the circuit board for 2 seconds. The red light quickly flashes twice before lighting up steadily.



2 - While the red light on the circuit board is on, press button 1 or 3 on the remote control to register the remote control

If the remote control is enabled, the red light on the circuit board quickly flashes twice before going out.
If there is no radio reception for 10 seconds, the circuit board automatically exits radio programming and switches off its red light.



If button 1:
1 opens the shutter and 2 closes it.

If button 3:
3 opens the shutter and 4 closes it.

Note: it is possible to connect several shutters to the same remote control. Repeat this operation for each shutter

Warning: when programming, pressing the button on the remote control may activate one or more shutter motor drives to which the remote control is already programmed.

To delete all remote controls, press the button on the motor drive circuit board for more than 10 seconds.

Each time the motor drive is powered up again, on the first command given, the circuit board will automatically re-learn its travel. During this learning cycle, there is no end-of-travel deceleration. The board will validate its travel after calculating a complete opening and closing.

Chapter on use:
Press button 1 (or 3) on the remote control, or press the switch to open. The motor drive opens fully, decelerating at the end of its travel.

Press button 2 (or 4) on the remote control, or press the switch to close. The motor drive closes fully, decelerating at the end of its travel.

PLEASE NOTE: The motor drive cannot be stopped on command in an intermediate position (half open).

The motor drive is equipped with ammetric detection to ensure safety if the shutters come into contact with an obstacle. However, if you wish to avoid coming into contact with an object or person during an operating cycle, press the button on the remote control or the switch corresponding with the cycle opposite to the one in progress (e.g. if the motor drive is opening, press button 2 on the remote control or the close button on the switch). The motor drive stops its travel immediately and starts again in the opposite direction until it reaches the end of its travel.

Use with a switch AND a remote control.
When using the motor drive with a switch and a remote control, please note the following:

The motor drive reacts to a change in the status of the switch contact (open closed) to start its operating cycle. It does not take account of the status of the switch contact in the event of a command given by a radio control device. (e.g. The remote control can open the motor drive, even if the switch is in the closed position)

In the event of a two-position switch: following a given command, the contact will remain permanently closed in this position until a new command is given via the switch. Let's take the example of giving a close command from the switch. The contact on your switch will remain in the "close" position. If you subsequently give a release command from the remote control (open), the motor drive will complete its opening cycle and end up open, but with the switch still in the "close" position... If you wish to give a close command from the switch, you will need to perform an open-close toggle to order the motor drive to start closing.

In the event of a 3-position switch: remember to press the switch's contact reset button (central button) so that you can easily give commands therefrom.
You can press this button immediately after giving an operating command (even while the motor drive is moving), or just before giving a command.

If the motor drive is tripped, it will stop its travel at the point of detection. A new open or close command must be given to complete the operating cycle.

Red LED status
The circuit board is fitted with a red LED.

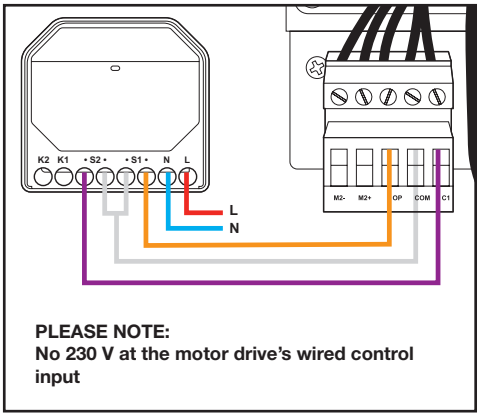
- Slow flashing: Standby mode
- Fast double flashing: In operation
- Steady light: Radio programming in progress

1 - USING THE PRODUCT WITH THE HOME SHUTTER 127046 MODULE (OPTIONAL)

The motor drive can be connected to a **HomeShutter 127046** smart shutter module. Thanks to this module, you can control the motor drive and create trigger scenarios using the Avidsen Home application on your smartphone.

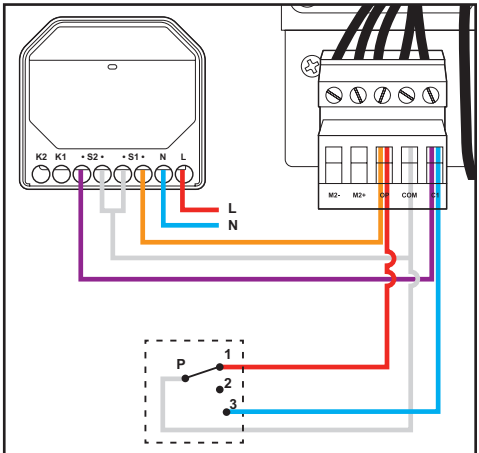
E - SETTING UP

Connecting HomeShutter to 114600



PLEASE NOTE:
No 230 V at the motor drive's wired control input

Connecting an additional switch to the swing shutter

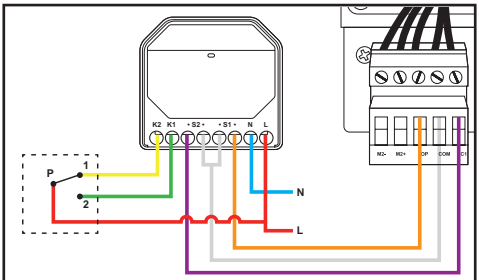


PLEASE NOTE:
No 230 V at the motor drive's wired control input

This connection only works with a 3-position switch. For a 2-position switch, you need to connect it directly to the HomeShutter module.
(see following diagram ***"Connecting an additional switch to HomeShutter"***)

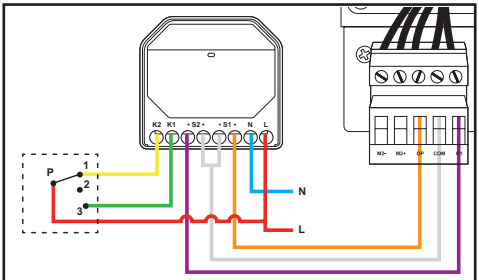
Connecting an additional switch to HomeShutter

2-position switch:



PLEASE NOTE:
No 230 V at the motor drive's wired control input

3-position switch:



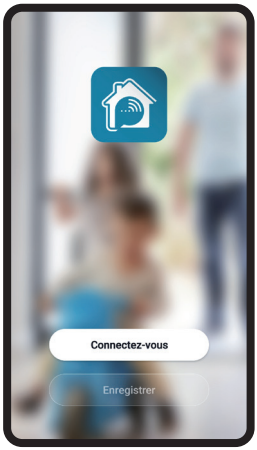
PLEASE NOTE:
No 230 V at the motor drive's wired control input

2 - INSTALLING THE MOBILE APP AND CREATING AN ACCOUNT

Once your HomeShutter module is connected, follow the instructions below to pair it.
Download the **Avidsen Home** app from the Android Play Store or Apple App Store.

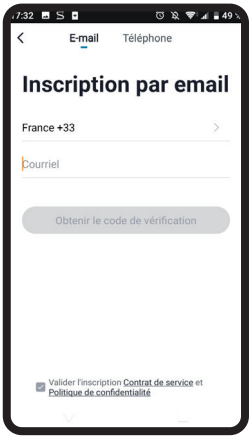
GET IT ON Google Play
Download on the App Store

Launch the app and log in if you already have an account. If not, press **CRÉER UN NOUVEAU COMPTE (CREATE A NEW ACCOUNT)** and let the application guide you.

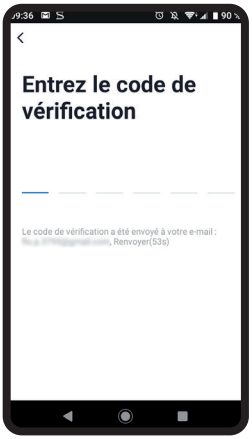


After accepting the privacy policy, you will need to create an account with your email address by following the procedure on the screen.

Procedure by email



Choose your country and enter your email address, then select **Obtenir le code de vérification (Get confirmation code)**.



In a few seconds, you will receive a confirmation code in your email inbox. Enter this code to finalise registration.
Note that this email may go into your spam folder.

If you do not receive a code before the countdown has ended, press **renvoyer (return)** and check the email address entered.

To complete your registration, set a password between 6 and 20 characters long with letters and numbers only, then press **Terminé (Finished).**

E - SETTING UP

The application will redirect you directly to your account home page where you can start pairing your devices.

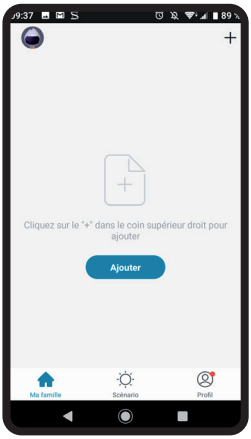
3 - PAIRING

If you have more than one item to pair (plugs, cameras, other bulbs), switch on only one item at a time.

The following information may vary depending on app updates.

As soon as it is switched on, the HomeShutter module will be in pairing mode by default. The indicator light will start flashing until the pairing procedure is completed.

To start the pairing process, press **AJOUTER (ADD)**. Make sure your phone is connected to your router's 2.4 GHz WiFi network.

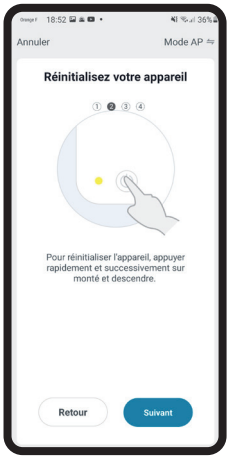


Select the product that you wish to pair and select the HomeShutter Module

Make sure the module is plugged in and that it is flashing. If not, follow the procedure below:
Press the K1 and K2 connected buttons successively more than 10 times within 10 seconds until the light flashes.

avidsen

E - SETTING UP



Select your 2.4 GHz WiFi network (**please note:** your smartphone must be connected to the WiFi network to which the module will be connected), enter your network password and press **CONFIRMER (CONFIRM)**.
IMPORTANT: If a location authorisation request message appears, you need to accept it for your Android or iOS device to receive your WiFi.

IMPORTANT: This device is compatible with 2.4 GHz - WPA/WPA2 WiFi networks. Not compatible with 5 GHz WiFi or with WEP encryption. Please check the WiFi settings of your router or contact your Internet service provider if you experience connection difficulties.

Please wait while the pairing procedure takes place. This can take a few minutes.

E - SETTING UP

4 - USING THE HOMESHUTTER MODULE

The Avidsen Home app allows you to open and close shutters
remotely. You can also programme them to make life easier.

1	Return icon
2	Device name
3	Device settings
4	Opening/closing of shutters
5	Programme settings
6	Settings

Note: The module does not know the position of the shutter motor.
If the module is used with another control device (remote control or independent wired switch), the shutter status feedback will not necessarily represent the actual status of the shutter (open/closed).

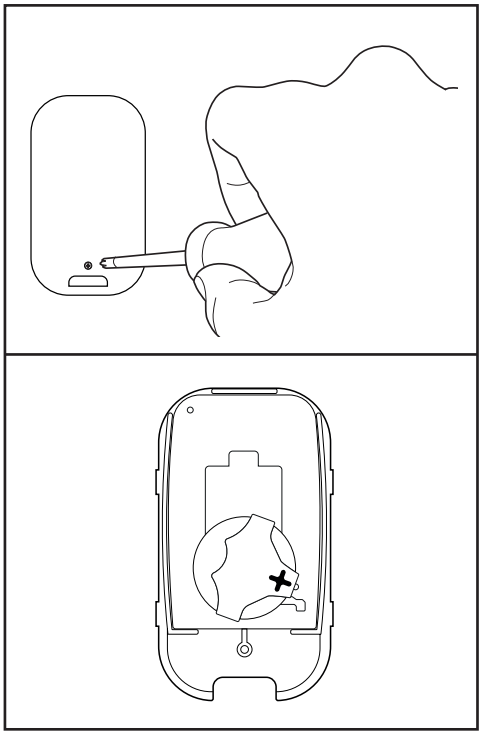
When a command is given from the module, it will keep its relay (S1 or S2) closed for 2 minutes before reopening it automatically.
To reopen the relay more quickly, press the “pause” button once.
To use scenarios and voice assistants, please refer to the Home Shutter 127046 module manual available on our website *www.avidsen.com*

Your smart module is now operational and will appear in your app. You can now control your Avidsen HomeShutter smart module from your smartphone.

1 - REPLACING THE REMOTE CONTROL BATTERY

When the remote control range is very reduced and the red indicator is weak, this means that the remote control battery will soon run out. The remote control takes CR2032 batteries. Replace the battery with a battery of the same type as originally used.

- With a Philips screwdriver, remove the screw behind the remote control.
- Open the remote control and remove the battery.
- Insert the new battery, respecting the polarity.
- Close the remote control and screw in the fastening screws.



G - FAQ

If your problem is not covered below, please contact our technical support department.

Common problems and solutions:

Symptoms	Possible causes	Solutions
The motors do not start	No 230 V	- Check the electrical connection to the motor drive - Check that the electrical installation has not been tripped
The motors do not start when using the remote control	No radio reception	- Check the remote control programming - Check that the remote control is working Replace the battery if necessary
The motors do not start when using the switch	Switch connection fault	- Check the switch wiring on the circuit board - Check the integrity of the cables - Check the switch contacts
The motor drive does not operate in the correct direction (open/close)	Switch connection fault/Programming fault	- Reverse the red and blue wires on the switch (colours used for the manual) - Check the position of switches 1 and 2 on the circuit board
One panel opens while the other closes	M2 connection fault	- Reverse the red and black wires on M2 of the motor drive circuit board
Only one motor is working	Programming fault	- Check the position of switches 1 and 2 on the circuit board
The wrong side opens first	Programming fault	- Check the position of switches 1 and 2 on the circuit board
The motor drive does not open the shutters fully or at all	Obstacle/overload	- Check that the arm joints are not too tight - Check that there are no obstacles in the path of the shutters - Check that the shutters can move freely (lubricate the hinges if necessary). - Check the level of the panels and the condition of the tether hooks - In the event of strong winds, the motor drive may be rendered unsafe - Check the installation dimensions (side X) of the arm on the shutters

H - TECHNICAL AND LEGAL INFORMATION

1 - TECHNICAL CHARACTERISTICS

REMOTE CONTROL	
Radio frequency	433 MHz
Radio range	Up to 50m in open air*
Power supply	CR2032
Number of channels	2
Buttons	4 buttons
Type	AM On/Off Keying (OOK) modulation
Encoder:	16-bit Rolling code (i.e. 65,536 possible combinations)
Operating temperature	0°C to 40°C, indoor use only
Radiated power	< 10 mW
Battery life	1 year at a rate of 10 x 2 s uses per day

*The indicated radio range refers to the open air range, i.e. no obstacles between the receiver and the transmitter. Any obstacle or disturbance will reduce this range.

MOTOR UNIT	
Type	24 V electric motor, reduction gear assembly
Power supply	230 Vac 50 Hz
Assigned operating duration	10 min
Operating temperature	-20°C to 50°C
Maximum weight of the shutter to be fitted	2 x 30 kg
Maximum surface area of the shutter to be fitted	2 m² for a double-panel shutter 1.5 m² for a single-panel shutter
Maximum number of radio controls	20
Standby consumption	< 0.5 W
Standby time	0 s
Max ERP	10 dBm

H - TECHNICAL AND LEGAL INFORMATION

2 - WARRANTY

- This product is guaranteed for parts and labour for 3 years from the date of purchase. Proof of purchase must be retained for the duration of the warranty period.
- The warranty does not cover damage caused by negligence, knocks or accidents.
- This product must not be opened or repaired by any persons not employed by AVIDSEN except to insert or replace the batteries.
- So-called consumables, such as the batteries, are not covered by the warranty.
- The warranty will be void if the device is tampered with.

3 - HELP AND ADVICE

- Despite the care we have taken in designing our products and drafting these instructions, you may still encounter difficulties when installing your product, or have questions. If this is the case, please do not hesitate to contact one of our specialists who will be glad to help.

- If you have any operating problems during or shortly after the installation, please ensure you are next to your installation when contacting us, so that one of our technicians can diagnose the source of the problem, as this is often caused by an incorrect setting or an installation that is not to specification.

Please contact our after-sales service team technicians:

0 892 701 369 Service 0,35 € / min + prix appel

Monday to Friday, 9am to 12pm, and 2pm to 6pm.

4 - PRODUCT RETURNS - AFTER SALES SERVICE

Avidsen undertakes to keep a stock of spare parts for this product throughout the contractual warranty period.

5 - EU DECLARATION OF CONFORMITY

Avidsen declares, under its sole responsibility, that the equipment with reference number 114600 complies with the applicable Union harmonisation legislation and its conformity has been assessed pursuant to the applicable standards in force:
Inverter:
- Directive RED 2014/53/EU
EN 300 220-1 V3.1.1
EN 300 220-2 V3.2.1
- Directive LVD 2014/35/EU
EN 60335-1
EN 60335-2-97
- Directive EMC 2014/30/EU
EN 301 489-1 V2.2.3
EN 301 489-3 V2.3.2

EN 62479:2010
EN 50663:2017

The above-mentioned products comply with the RoHS 2011/65/EU Directive and delegated directive 2023/826/EU.

Tours, 14/05/2025
Alexandre Chaverot, CEO

CE

avidsen

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37200 Tours - France