

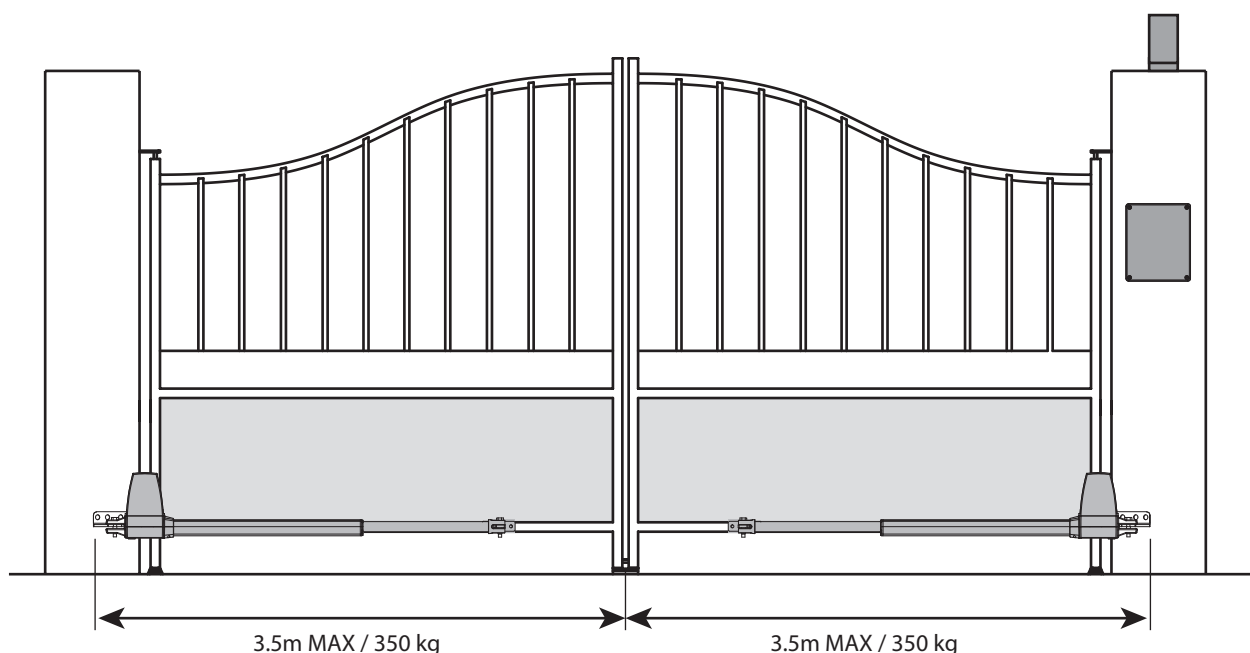


# A4

FOR RESIDENTIAL

## SWING GATE OPENERS 24V DC MOTOR

### USER MANUAL



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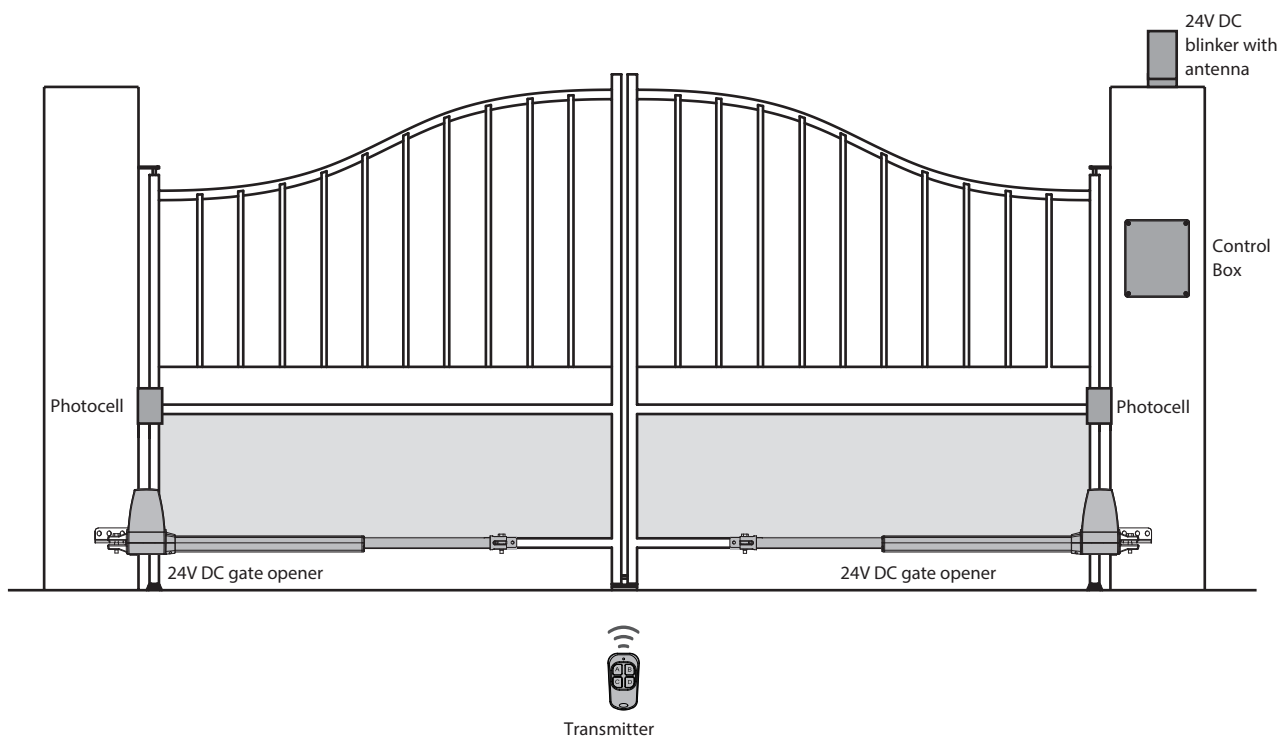
# Warnings

- i. All procedures of the installations, electrical connections, adjustments and testing must be followed after understanding the instruction and operation.
- ii. Disconnect the power supply via switching off the magneto thermic with upstream connected, and the hazard area required by relevant regulations.
- iii. The existing structure must be up to standard in terms of strength and stability.
- iv. Connect the motorized gate to reliable systems in electricity connection phase if it is necessary.
- v. Installers require the qualifications in mechanical and electrical skills.
- vi. Automatic controls (remotes, push bottoms, key selector, etc.) must be placed appropriately, and away from children.
- vii. Only original parts can be applied for the replacement or repair of the motorized system.  
Any damages caused by inadequate parts and usages cannot be claimed to the motor manufacturer.
- viii. Do not operate the drives if it might cause any faults or damages to the systems.
- ix. The motors are only designed for the gate opening and closing application, and the manufacturer is not liable for any damage caused from other improper usage.
- x. The system is only operated in proper working order with the standard procedures according to this manual.
- xi. Only command the remote when the gate is in a full view.

Manufacturer is not liable for any damage causes which are made from the improper use and installation of the system.

Please keep the user manual for the future reference.

## Standard installation

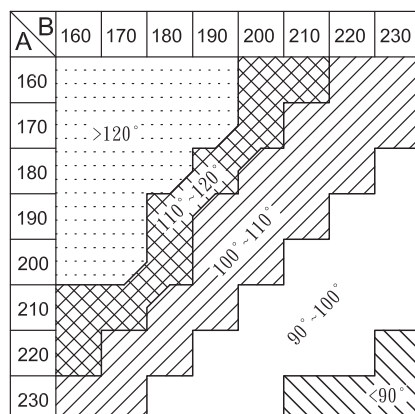
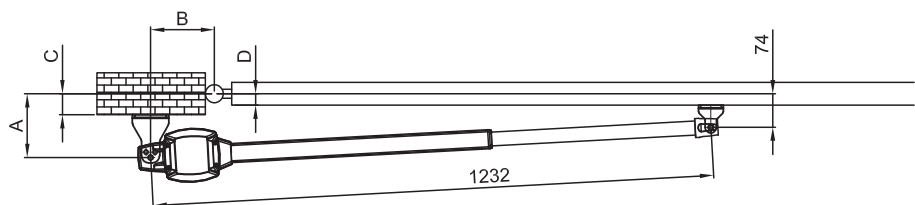
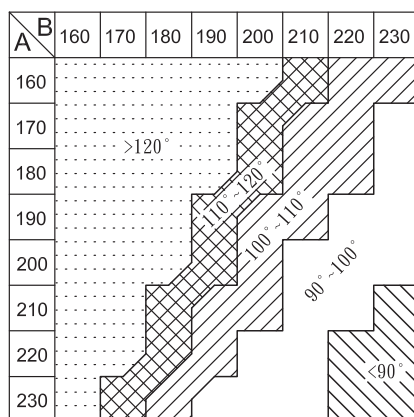


# Dimension chart

Comply with the measures shown on the chart for proper installation. Adjust the gate structure to fit it for best automation, if necessary.

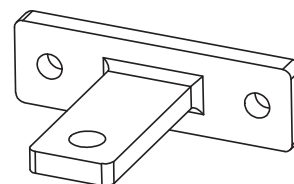
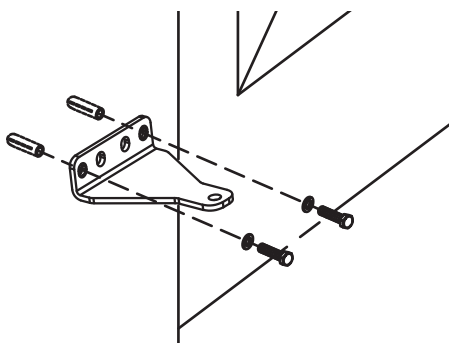
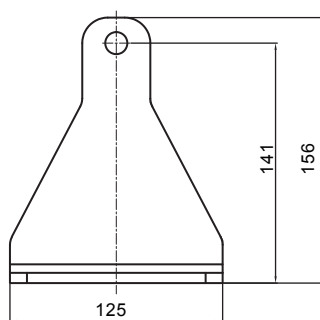
Before preceding the installation, be sure that gate moves freely and that:

- 1) Hinges are properly positioned and greased.
- 2) No obstacles in the moving area.
- 3) No frictions between two gate leaves or with the ground while moving



## Motor fixing

Assemble the rear bracket and fix it on the pillar.

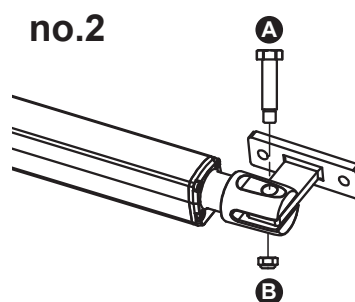
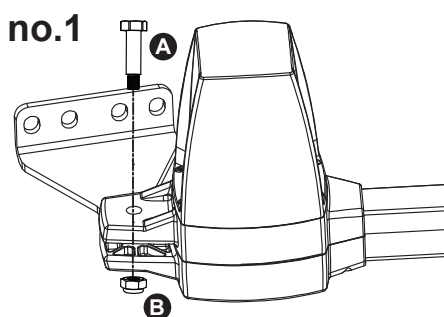
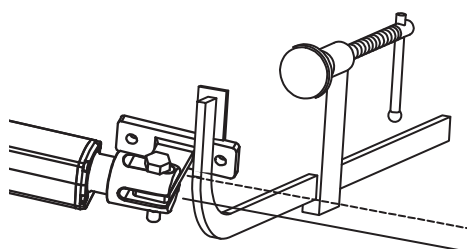


Release the gate opener and place the pin into the fitting position no.1 and no. 2

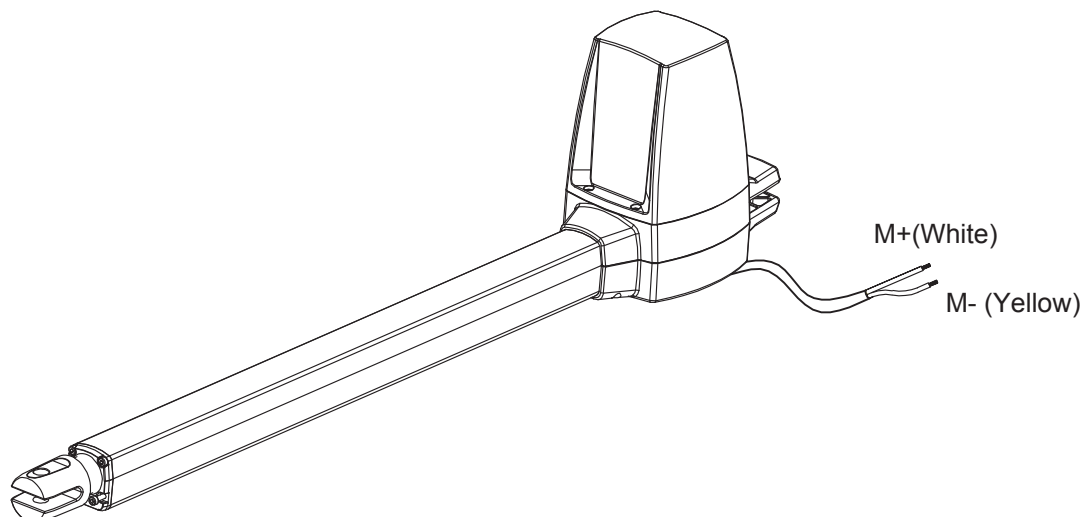
Make sure the gate openers are mounted in horizontal position especially in those positions.

- 1) Gate in "CLOSE" position
- 2) Gate in "OPEN" position
- 3) Gate at "45 ° angle" position

Prior to weld the bracket on the gate leaf(if necessary), cover the gate opener to prevent damages from sparks.



## Wire connection



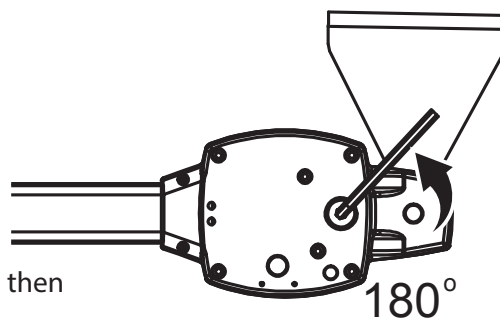
Note: Avoid tension in the cable during open and close phase.

## Emergency release

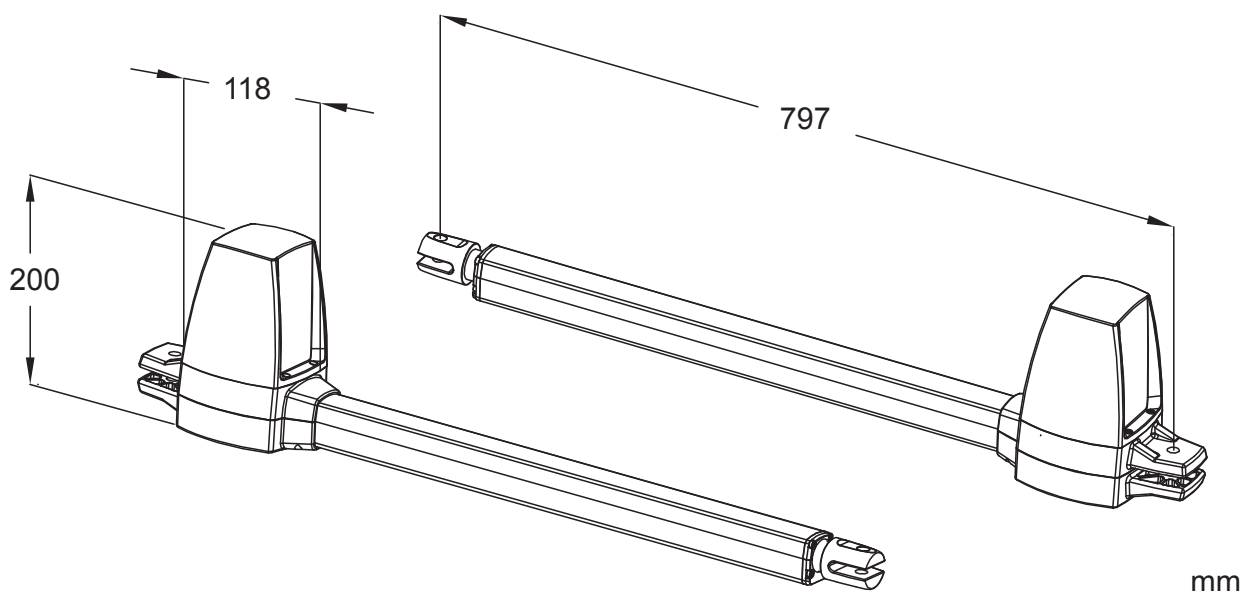
In case of power failure or to program your automatic gate, you can manually unlock the engines:

Stand in the inner side of the gate. Insert the hex wrench for unlocking and then turn anti-clockwise 180 degrees. You can now open the gate by hand.

To lock again the engine, insert the hex wrench for locking and then turn clockwise 180 degrees.



## Dimension



## Technical feature

Model	A4
Gear type	Worm gear
Stroke	435mm
Power supply	24VDC
Maximum gate weight	350KG
Maximum gate length	3.5meter
Duty cycle	20%
Operating Temperature	-20°C~+50°C
Dimension	797mm*118mm*200mm

# Maintenance

Conduct the following operations at least every 6 months. If in high intensity of use, shorten the period in between.

Disconnect the power supply:

- (1) Clean and lubricate the screws, the pins, and the hinge with grease.
- (2) Check the fastening points are properly tightened.
- (3) Make the wire connection are in good condition.

Connect the power supply:

- (1) Check the power adjustments.
- (2) Check the function of the manual release.
- (3) Check the function of photocells or other safety devise.

