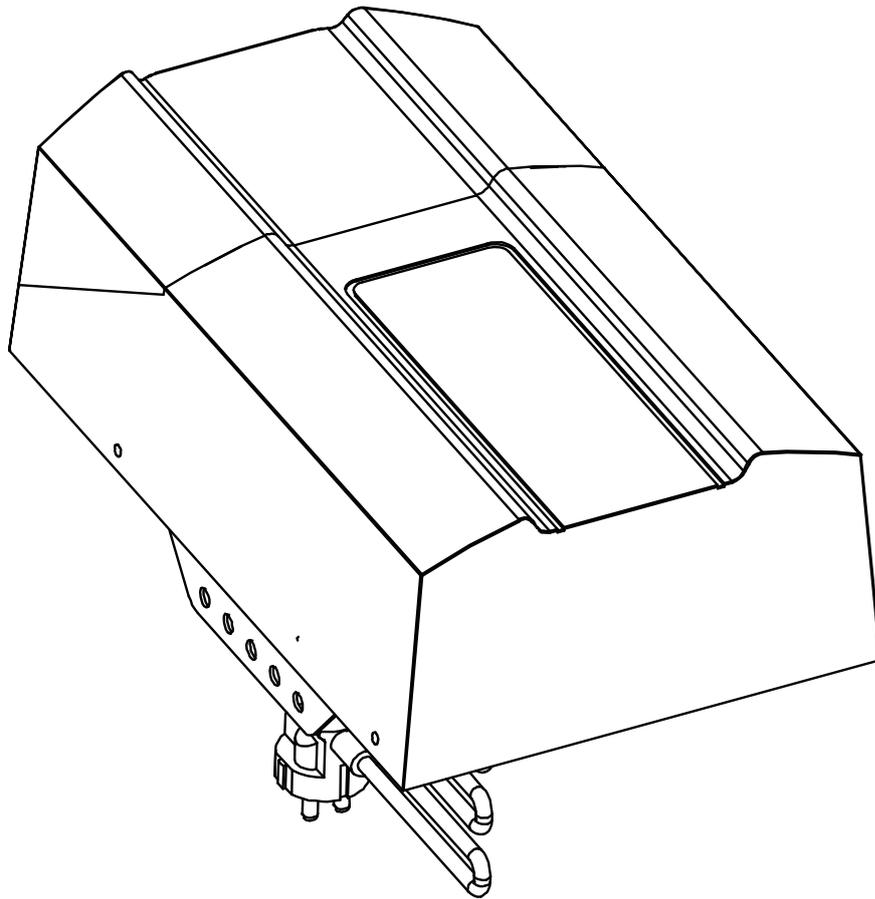




www.prodoor.com.au

PRODOOR Automation Garage Door Opener

PRDOOR 1200T & PRDOOR 1500T & PRDOOR 1800T User Manual



INSTALLATION INSTRUCTIONS | OWNERS COPY



WARNING

Please read the manual carefully before installation and use.

The installation of your new door opener must be carried out by a technically qualified or licensed person. Attempting to install or repair the door opener without suitable technical qualification may result in severe personal injury, death and / or property damage.

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Important safety recommendations

The new GDO is professional designed under the newest design idea. The installation and setting of this GDO is extremely easy. It has complete functions, give the users a relaxed and happy installation experience.

Safety Warnings

Warning: It is very important to read this safety warnings and follow all instructions before installing. Or it may cause serious personal injury and/or property loss. Save these instructions.

1. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance or its controls, including remotes. Keep the transmitters out of the reach of children. Cleaning and user maintenance shall not be made by children without supervision.
2. We strongly recommend to install photocell to increase safety protection and psychological security.
3. Before installing the drive, remove all unnecessary ropes or chains and disable any equipment, such as locks, not needed for powered operation. Before installing the drive, check that the door is in good mechanical condition, correctly balanced and opens and closes properly.
4. A-weighted emission sound pressure level of the drive $LpA \leq 70$ dB(A).
5. The operator must not be used for doors without a safety catch.
6. Install the actuating member for the manual release at a height less than 1.8 m. If removable, the actuating member should be stored in direct vicinity of the door.
7. Install any fixed control at a height of at least 1.5 m and within sight of the door but away from moving parts.
8. Wall switch or wall transmitter must be installed out of the reach of children.
9. Permanently fix the labels warning against entrapment in a prominent place or near any fixed controls.
10. Permanently fix the label concerning the manual release adjacent to its actuating member.
11. After installation, ensure that the mechanism is properly adjusted and that the drive reverses or the object can be freed when the door contacts a 50 mm high object placed on the floor. Ensure that parts of the door do not extend over public footpaths or roads.
12. Refer to pages 4-8 for information on how to adjust the door and drive.
13. Connect the GDO to 230-240V circuit, and fix it to the required place by professional person.

WARNING: The drive shall be disconnected from its power source during cleaning, maintenance and when replacing parts.



14. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

15. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

16. Watch the moving door and keep people away until the door is completely opened or closed.

17. Take care when operating the manual release since an open door may fall rapidly due to weak or broken springs, or being out of balance.

18. Check the condition of the door frequently if has any damage or if is well balanced., especially the cable, spring, components connect with the wall. Don't use the door if it is not repaired or adjusted, or there will be injury due to improper installation or bad balance. If the door components are under extreme pressure, don't repair it by yourself, if necessary, call for authorised service.

19. Each month check that the drive reverses or the object can be freed when the door contacts a 50 mm high object placed on the floor.

20. The drive must not be used with a door incorporating a wicket. (unless the drive can not be operated with the wicket door not put in the safe position).

If applicable, that the drive is not to be used with doors having openings exceeding 50mm in diameter or having edges or protruding parts a person could grip or stand on.

21. Don't open/close the door when people are near the door. Keep children away from the moving door. Or it may cause serious personal injury and/or property loss.

22. In order to keep the GDO away from the rain, don't expose it out door. Don't put the GDO in the water, don't spray water to the GDO, keep the GDO away from any other device with water.

23. In order to make sure the GDO can sense the obstructor under the door, the door must press the obstructor. So it may cause injury or damage to the obstructor, door or person.

24. If the circuit is damaged, the professional person is required to do the reparation.

25. Make sure the garage door is fully open & stationary before

The device is intended for the opening and closing of tilt-up and sectional garage doors in the private sector.

For 600N, it is the best for the door less than 10m² , 100kgs.

For 800N, it is the best for the door less than 12m² , 120kgs.

For 1000N, it is the best for the door less than 14m² , 140kgs.

For 1200N, it is the best for the door less than 16m² , 160kgs.

For 1500N, it is the best for the door less than 18m² , 180kgs.

For 1800N, it is the best for the door less than 20m² , 200kgs.

The device is not meant for commercial use but solely for the use in private garage doors that are appropriate for a single household. The device is installed indoor and max 2.5m away the door, and min 0.5m away the ceiling of garage. Check the Installation instruction for details. Any improper use of the drive could increase the risk of accidents.

Basic function introduction

1. Soft start, soft stop. Minimize start-up load on garage door opener and garage door.
2. The door will stop during opening when contacting obstruction, and will reverse at least 30cm during closing when contacting obstruction.
3. Opening & closing force dynamically self-learning. Can make sure the garage door driver will work steadily in spite of change of door resistance by seasonal variation.
4. Safety resistance adjustable, with a wide range, sensitive and reliable.
5. Overloading force detecting, the door will reverse more than 15cm automatically when it is overloaded when closing and will stop when it is overloaded when opening.
6. Low-voltage protection, the process will not perform any action of opening and closing when voltage is too low, door panel and controller won't be damaged.
7. We adopt rolling code transmitter, with billions of codes, won't be coincident code or pirated code.
8. Auto-close function available.
9. Backup battery interface available, in case of power failure.
10. Wall switch interface available.
11. Photocell interface available, the door will change to open when obstruction is detected while closing.

Special function introduction (optional)

The following functions are made to order in accordance with the special needs of customers:

1. Flash light feature
2. Pass door protection feature
3. Remote lock function
4. Half-opening function

Installation

- 1). Read the instructions carefully.
- 2). Make sure the door structure is solid and suitable to be motor driven.
- 3). Make sure that when the door is moving there are no friction points.
- 4). The door must be properly balanced and must be easily lowered and raised by hand.
- 5). Install a 230-240V adequately protected 3-pin socket near where the GDO is going to be installed.

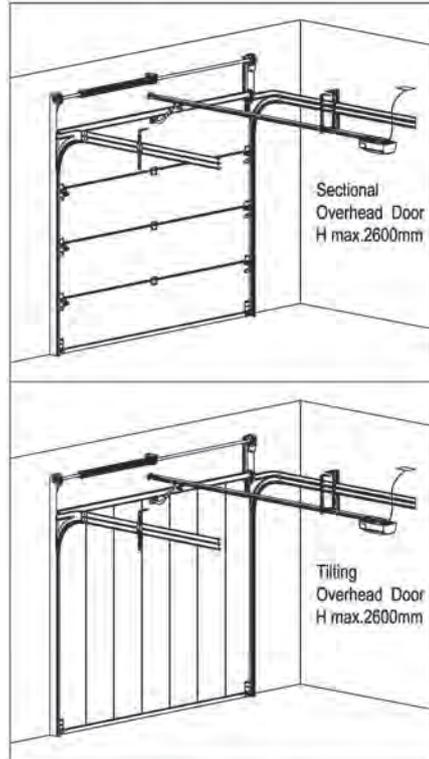


FIG.1

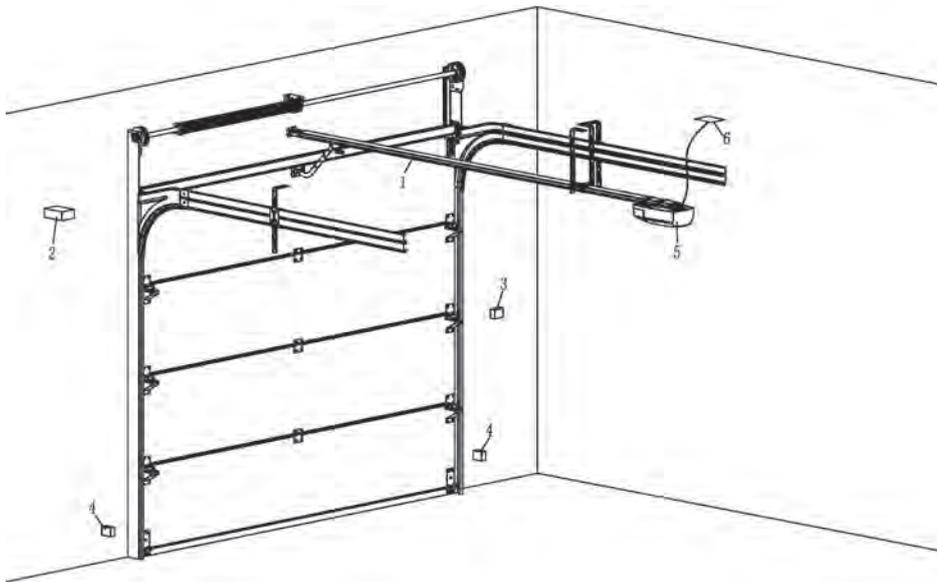


FIG.2

Referring to Fig. 2 for recommended installation

- | | |
|---|-----------------|
| 1) Opener track | 5) Opener |
| 2) 24V DC flashing light (optional extra) | 6) Power socket |
| 3) Push button | |
| 4) Photo beam (RX/TX Type) | |

Installation (steel track)

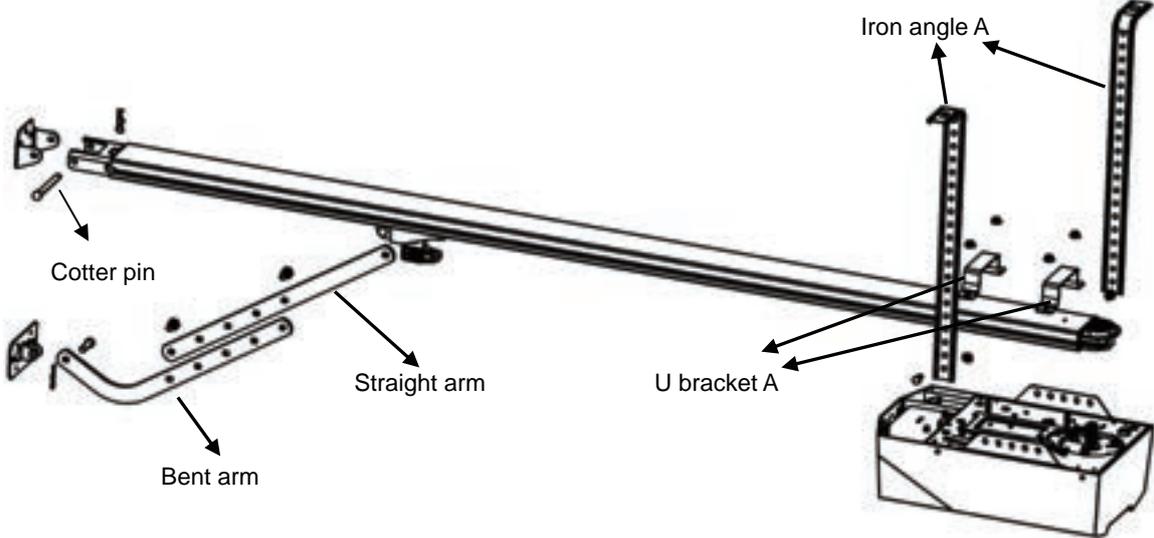


Fig. 3



Fig. 4

Installation procedure

1. Fixing the wall bracket. Fixing the wall bracket to the wall 2cm-15cm over the shaft or intermediate bracket (depend on the actual installation space).
2. Fixing the steel track to the bracket with cotter pin.
3. Fixing garage door opener to the track by U bracket A. It's enough for 2 Nm fastening force.
4. Fixing angle A to base plate of garage door opener, hanging the track to ceiling by iron angle A.
5. Fixing the door bracket on the door panel, fixing the straight arm and bent arm, fixing the clutch cord.
6. Release the clutch, try to open and close the door by hand. Make sure there is no resistance between door panel and track.
7. Connecting the opener with power and adjusting the operation.

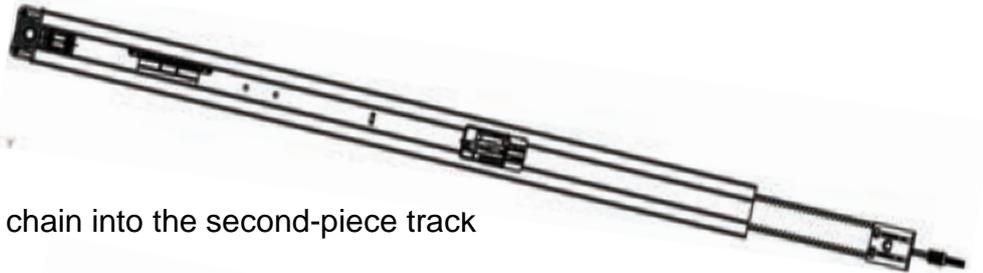
Notice: Make sure the opener's voltage is in accordance with the local voltage. Connect the opener to a properly earthed power supply.

Installation (sectional steel track)

1. Cut the plastic cable tie on the first piece track



2. Take out the chain from the first-piece track



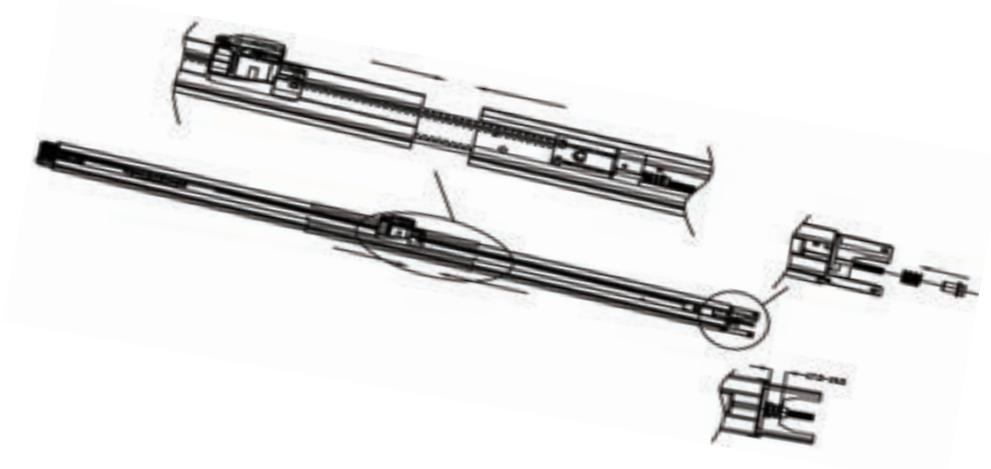
3. Put the chain into the second-piece track



4. Put the trolley into the track



5. Assemble the track according to the below picture.



Installation recommendations

Remember there are specific standards that have to be strictly followed regarding the safety rules of electrical installations and automatic gates and doors.

As for the legal requirements and standards that must be adhered to, please take notice of the following points to ensure maximum safety and reliability of your installation.

1. Before installing check the surrounding environment. Carefully evaluate any hazards which could be physical damage (transiting vehicles, parts of trees falling etc.), possible contact with persons' bodies (insects, leaves, etc.), flooding hazards, or any others exceptional events.

2. Check the main voltage numbers is the same as the numbers that are given on the rating plate and in this manual.

3. Check and make sure if there is suitable electrical protection against short circuits/power spikes and proper earthing on the main supply.

Remember the unit having main voltage running through it (electrocution hazard, fire hazard).

4. Take care with the control unit; the parts may be subject to damage if the control unit is abused.

5. Make sure that you have all the necessary materials, and they are suitable for this kind of use.

6. Read all the instructions thoroughly, and make sure they are understood before attempting to install the opener.

7. Before starting the installation carefully analyze all the risks relating to automating the door. Verify that the door is automated in a sound condition and that the mechanisms are in good working order. Observe the safety margins and minimum distances.

8. Carefully evaluate the safety devices to be installed and the right place to install them; always install an emergency stop device for power interruption to the opener if it is required.

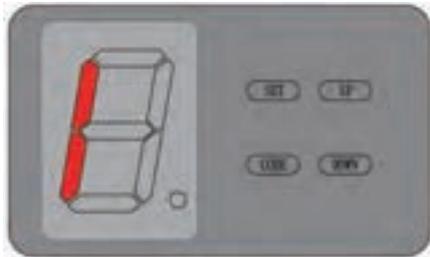
9. Once the risks have been analyzed, install the opener and relative safety devices, emergency stop and/or photoelectric cells.

Important note: As for additional safety rules, we strongly recommends the fitting of Photo Electric safety beams on all installations.

10. While installing the opener, strictly follow all the instructions given in the instruction manual. If some points or procedures in this manual are not very clear do not install the unit until all doubts have been cleared up with our technical department.

Function setting and applying

1. Itinerary setting Opening & closing force dynamically self-learning



Press 'SET' button and hold on until the LED displays figure '1', then adjust the up limit by pressing 'up' button. Fine-tuning 'up' or 'down' button to determine the final up limit position then press 'set' button the display turn into '2' automatically. Adjust the down limit by pressing 'down' button. Fine-tuning 'up' or 'down' button to determine the final down limit position then press 'set' button. The opener will operate a cycle automatically to remember the limit positions and the opening & closing force.



The opener will return to standby mode, LED display 'u' (Fig. B).

2. Matching the receiver and transmitter



Fig. A

Press 'CODE' button and hold on until the LED dot flashes (Fig.A) Then press any button on the transmitter twice, the dot will be off; Press the button again the dot will fast flash then LED displays 'u' (Fig. B). After that the transmitter will be available. It will be able to control the open, close, stop of the garage door driver.

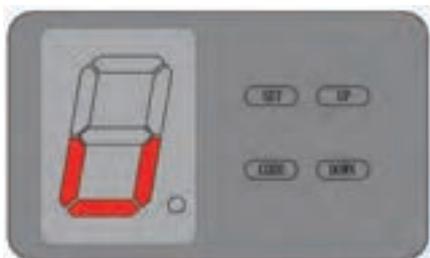


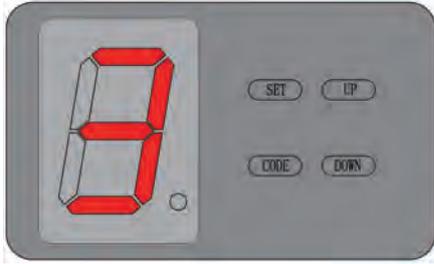
Fig. B

Press 'CODE' button more than 8 seconds (the LED dot flashes) until the LED displays 'C', all the stored codes will be deleted.

The opener will return to standby mode, LED display 'u'.



3. Safety reverse force adjustment



Press 'SET' button and hold on until the LED displays '3'. It's under force adjustment mode. LED shows the current force setting level.

The maximum force is 9 and the minimum is 1. Press 'UP' button to increase the force and 'DOWN' button to decrease the force according to actual situation.

Press 'SET' button to confirm.

The opener will return to standby mode, LED display 'u'.

Please make sure the photo beam is connected and can work properly before you choose level 4~9.

4. Auto-close setting



Press 'UP' button and hold on until the LED will display current setting '0'.(the factory default setting is '0').

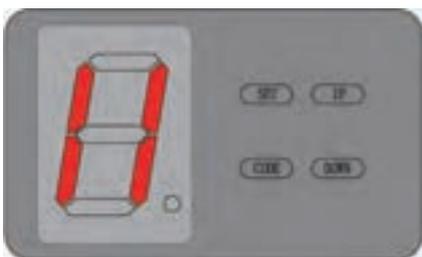
Press 'up' button once, the auto-close time will increase 1 level (1 level = 20 seconds), the maximum is level 9 (180 seconds). Press 'down' button the auto-close time decrease 1 level. Press 'SET' button to confirm.

The auto-close function will be turned off when LED displays '0'.

WARNING:

Safety Photo beams must be installed and connected to the opener to use the Auto Close function.

5. Photo beam setting



Press 'DOWN' button and hold on until the LED displays '11'. It's under photo beam setting mode. LED shows the current setting.

Press 'UP' button the LED displays 'H', photo beam function is available. Press 'DOWN' button the LED displays '11' to cancel this function. When setting is finished, press 'SET' to confirm.

The opener will return to standby mode, LED display 'u'.

When need to activate photo beam function, the photo beam need to be connected first.

When connecting pulse control photo beam, wiring as Fig. 5. When connect on-off control photo beam, wiring as Fig. 6.

Notice: If photo beam function is activated, while the photo beam is not connected, the door will not close.

6. 'Condominium' Mode (No interference between users)

This mode can be set to prevent a pulse transmitted to the receiving board from stopping the Opener while the door is opening.

In Condominium mode, the opening command disables the receiving board until the opening limit switch is reached.



Press and hold the SET button until '8' appears on the display.

Press the 'UP' or 'DOWN' buttons to change the setting.

The value '1' enables the condominium function.

The value '0' (factory setting) disables the condominium function.

Press the 'SET' button again to confirm.

7. O/S/C Terminal

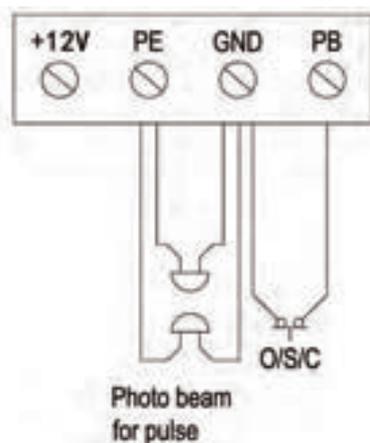


Fig. 5

Connecting a touch off switch to this terminal, you can use the switch inside the garage to control the open/stop/close of the door when maintaining or the transmitter is lost (Fig. 5).

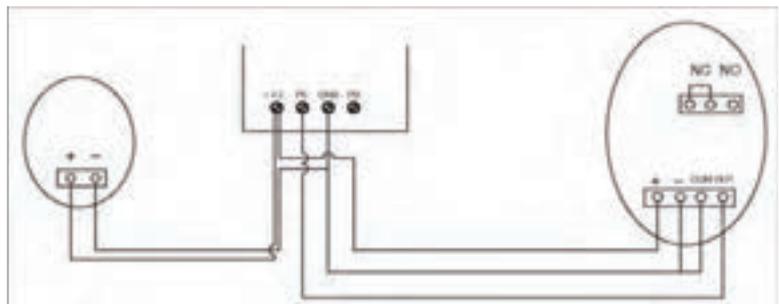


Fig. 6

8. Flash light function

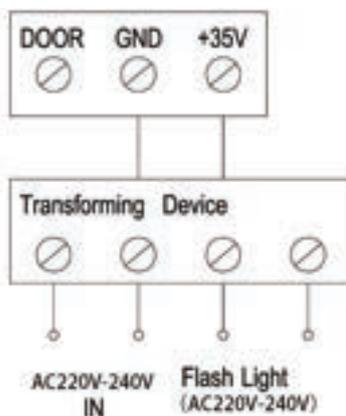


Fig. 7

There are corresponding interfaces for this function and provide 24v-35v flash light voltage.

Connect the flash light with DC 24v-28v follow Fig.8, current \leq 500mA.

When use AC 220V power flash lights, please match an adapter, and wiring as required. Refer to Fig.7.

9. Pass door (SD) protection

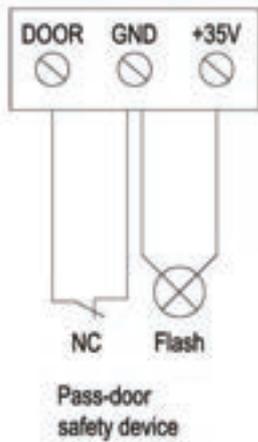


Fig. 8

This function ensures that the door can't be opened unless the small pass door is closed. The door panel won't be damaged. Connect according to Fig. 8.

Manual disengagement

The opener is equipped with a manual release cord to disengage shuttle and move door by hand while holding the handle down (Fig.9). Pull on the handle to disengage the shuttle. To re-engage the door simply run opener in automatic mode or move door by hand until the trolley engages in the chain shuttle.

In some situations that a pedestrian door is not in state, it is recommended that an external disengagement device should be fitted (Fig.10).

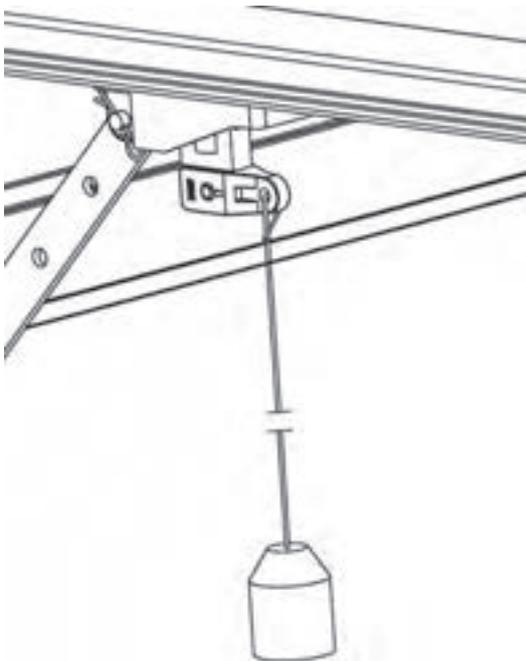


Fig. 9

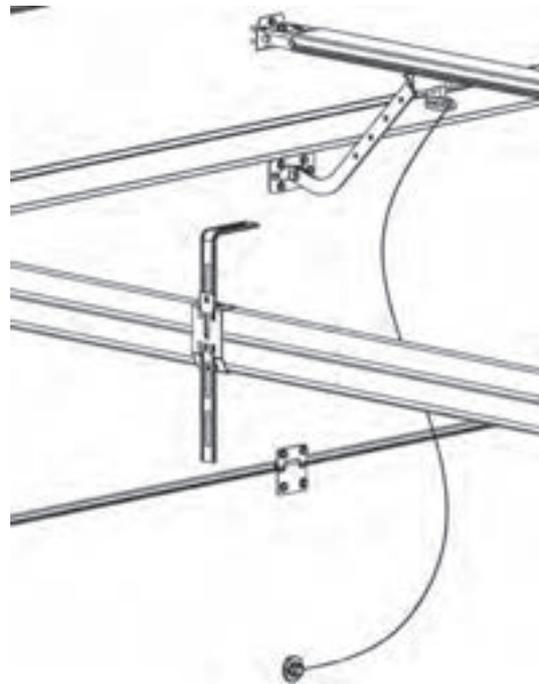


Fig. 10

Maintenance

No particular maintenance is required for the logic circuit board.

Check the door at least twice a year if it is properly balanced, and all working parts are in good working condition or not.

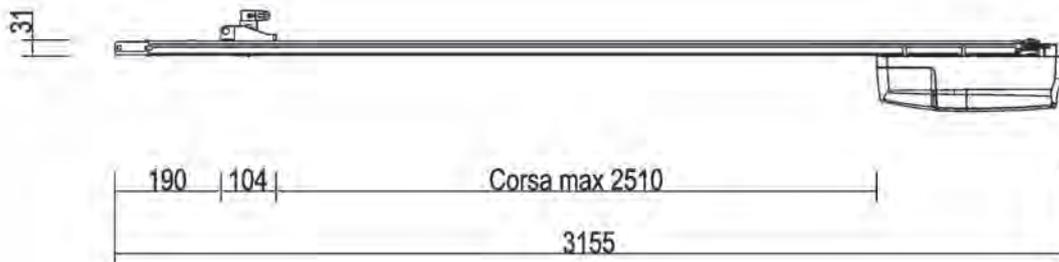
Check the reversing sensitivity at least twice a year, and adjust if it is necessary.

Make sure that the safety devices are working effectively (photo beams, etc.)

Notice: A rude operating door can affect the life of the automatic opener due to incorrect loads, and will void the warranty.

Technical specifications

Model	PRODOOR 600	PRODOOR 800	PRODOOR 1000	PRODOOR 1200	PRODOOR 1500	PRODOOR 1800
Power Input:	200W	235W	245W	260W	300W	360W
Input Voltage	230 – 240 V AC, 50Hz					
Light time:	3 minutes					
Working temperature:	-20° ~ 40°C					
Relative Humidity:	<90%					
Rated load:	300N	350N	400N	450N	500N	550N
Reception frequency:	433.92 MHz or according to customer's requirement					
Decoding:	Rolling code					
Remoter power:	27A, 12V Battery					
Lamp:	LED, 12V DC					
Door opening size:	10m2, 100kgs	12m2, 120kgs	14m2, 140kgs	16m2, 160kgs	18m2, 180kgs	20m2, 200kgs



Final notes

This manual is only used by technical persons who are qualified to carry out the installation.

No given information in this manual can be considered of any interest to the end user.

It is important for the installer to show their clients correct operation using of the opener including the using of manual disengagement cord.

Inform the owner about the need of a regular and accurate maintenance, especially regarding a regular check of the safety and reversing devices.

Important information for the user

Once the opener has been installed, the user must be informed about how it works and all the risks that can arise if it is used improperly. The user must avoid placing himself/herself in dangerous situations such as standing within the door's operating range when it is moving.

Do not let children play near the door, and keep the remote controls out of their reach.

All services, repairs or checks must be carried out by professionally qualified persons, and noted on a maintenance register kept by the user.

IMPORTANT NOTE: In the case of a malfunction the user must call an authorized installer and should not attempt to repair it by yourself.

Packing list

Item	Quantity
Garage door opener	1
Track (incl. Clutch)	1
Hand transmitters	2
Wall transmitter	1
Door bracket	1
Wall bracket	1
'U' bracket	2
Hanging bracket	2
Clutch cord	1
Cord pendant	1
Straight arm	1
Bent arm	1
Fixing kit	1

Warranty

Vicway Australia Pty Ltd Limited Warranty Vicway Roller Master PRO 1000R, PRO 1200R Door Opener

This warranty is given in addition to any rights that you may have under the Australian Consumer Law.

Vicway Australia Pty Ltd warrants to the original purchaser of the Vicway Door Openers that all parts of the Unit, other than the remote control transmitters and accessories, globes and batteries, are free from defects in materials and workmanship for a period of 60 months or 15,000 cycles (one opening and one closing action of the garage door) whichever comes first, from the date of purchase and installation in a residential premise on a specified garage door that is designed for the sole purpose of domestic use. This Warranty is given in addition to any rights that you may have under the Australian Consumer protection laws.

Vicway Australia PTY LTD warrants that Remote control transmitters and accessories included in the unit are free from defects in materials and workmanship for a period of 12 months from the date of purchase.

Warranty Conditions

It is also a condition of the Vicway Australia Pty Ltd Warranty that the Unit / Door are serviced by a Qualified Technician within the first 24 month period after the installation date and then at intervals not exceeding 24 months thereafter.

Repairs and replacement parts provided under this Vicway Australia Pty Ltd Warranty are provided free of charge and warranted for the remaining balance of the original warranty period.

Exclusions

If our Service Technician determines that a warranty claim has been made in respect of a failure or defect arising under or out of any exclusion detailed below such that the claim is not covered under the Vicway Australia Pty Ltd Warranty, we may, subject to your other rights as a consumer, charge you a fee to repair, replace and/or return the Unit to you.

This warranty does not cover any failure of the Unit due to:

1. Non-compliance with the included instructions regarding installation, operation, maintenance and testing of the Unit or of any product with which the Unit is used.
2. Any attempt to repair, dismantle, reinstall or move the unit to another location once the unit is installed by any person other than an Authorised Installer.
3. Tampering, neglect, abuse, wear and tear, accident, electrical storm, excessive use or conditions other than normal domestic use.
4. Problems with, or relating to, the garage door or garage door hardware, including but not limited to the door springs, door rollers, door alignment or hinges.
5. Damage caused by insects or any other pests.
6. Interference caused by other radio or electrical signals.
7. Problems caused by electrical faults or replacement of batteries or light globes.
8. Water or moisture entry that causes corrosion or malfunction of electrical components.
9. Lack of proper servicing and maintenance to door, hardware and any other accessory associated with the operation of the unit.
10. Corrosion caused by sea air if located near a waterway or beach etc.
11. Installation to a commercial door or in a commercial operating application.

Liability – Australia only

Except as set out in the Australian Consumer Law.

Under no circumstances shall the Seller be liable for consequential, incidental or special damages arising in connection with the use, or inability to use, the Unit. In no event shall the Seller's liability for damages or injury arising from of law or contract or for negligence, exceed the cost of repairing or replacing the Unit or refunding the purchase price of the unit.

Under Division 2 Part V of the Trade practices act, 1974, certain warranties and conditions (Implied Terms) are implied into contracts for the supply of goods or services if the goods or services are of a kind ordinarily acquired for personal, domestic or household use or consumption. Liability for breach of those Implied Terms cannot be excluded or limited and the limitations and exclusions above do not apply to the Implied Terms.

Except for the Implied Terms and the warranties set out above, the Seller excludes all warranties and conditions implied by statute, at law, in fact or otherwise.

Note

We request that you attach your sales docket or invoice to this warranty to enable you to establish the date or purchase/installation in the unlikely event of a service call being made. It will also be required as proof of purchase and service history in the event of a claim being made against this warranty.

Failure to comply with these Terms and Conditions will void the Warranty.

Contact Details

VICWAY AUSTRALIA PTY LTD

20 EARL STREET

AIRPORT WEST VIC 3042

Phone: (03) 9338 6698

(03) 9762 2895

1300 783 591

Email: enquiries@vicway.com.au