

BARRIER

**GOLD-PARK
GOLD-PARK SPEED**

1. Important safety information

Carefully read and follow all safety precaution and warnings before attempting to install and use Gold Park boom gate. Incorrect installation can lead to severe injury.

- The automatic boom gate should be installed by a qualified technician; otherwise, serious personal injury or property damage may occur.
- Children should not be allowed to play near or operate automatic boom gate.
- Before any job on the boom gate, cut out electrical power.
- Do not in any way modify the components of the automatic boom gate, otherwise serious personal injury or property damage may occur. We do not accept responsibility for damage or injury resulting from installing this boom gate.
- Notify the users that the boom gate is never to be operated unless it is in full view.
- Always keep people and objects away from the boom gate when it is operated.
- Keep remote controls away from children, to prevent the boom gate from being activated involuntarily.
- The distance between the end of the bar and the nearest objects should exceed 0.5m. Any changing of the bar by customer is not allowed. If you have any special requirements about the bar, please kindly contact a dealer.
- Under no condition should boom gate be used with bar or spring not attached.
- For your safety, withdraw the crank before switching the power back on.
- For service, call an experienced technician.

Our company reserves the right to change the design and specification without prior notification.

2. Introduction

- Please read the instructions carefully before proceeding. The automatic boom gate intended for use in parking area, commercial premises or apartment block access.
- Compact design, attractive appearance, low voice, safe and reliable performance.
- The drive parts have a steel unibody structure.
- Folding arm (4.5m) or fence arm (4m) is optional.
- Soft start & soft stop.
- A unique internal spring counterbalance mechanism aids the action of the boom gate.
- Manual operation in case of power failure.
- Use signal feedback function to transmit signals to parking system.
Terminals available to photocell, loop detector and alarm lamp.

3. Main technical parameters

Table 1

Power supply	AC 220x(1±10%)V, 50Hz
Motor power	150W
Duty cycle	40%
Bar length	See table 2
Noise	≤62dB
Measurement	281mm (L) x 351mm (W) x 1052mm (H)
Remote control range	≥30m
Environmental temperature	-20°C~+50°C

Bar length

Table 2

	Bar length	Open or close time	Balance spring
DC656	5.2m-6m	5.5 sec.	Connect the spring adapter to the first hole.
	4m-5.2m		Connect the spring adapter to the second hole.
DC421	3m-3.6m	2 sec.	Connect the spring adapter to the first hole.
	2.8m-3m		Connect the spring adapter to the second hole.

4. Installation

Necessary Tools

The following tools may be necessary to install the automatic boom gate. You will need standard screwdrivers, an electric drill and spanners.

The entire configuration and dimension are shown in the diagram below.

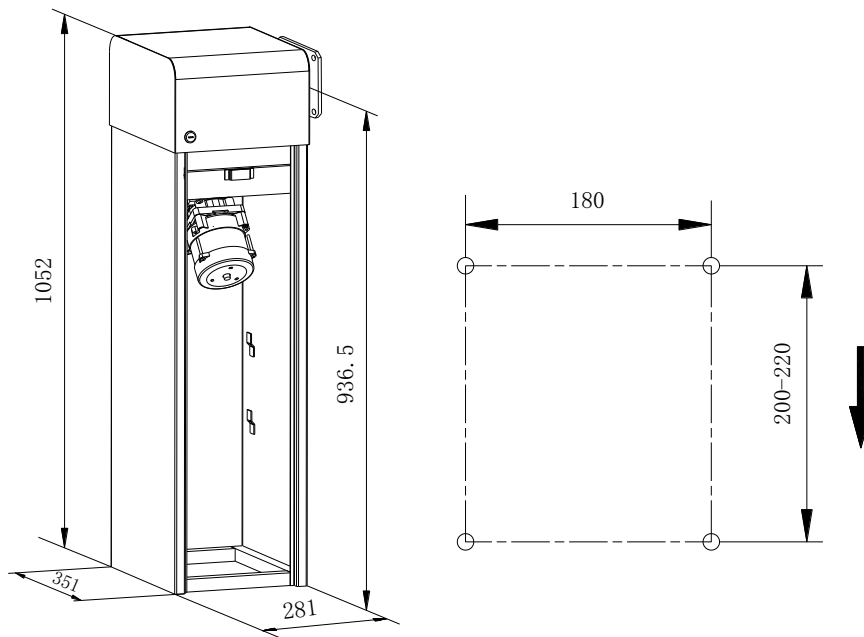


Fig.1

Right-hand boom gate and left-hand boom gate

Our company is normally delivered right hand, if you need to change it to the left proceed as follows:

Loose the M12 bolt, install the flat key and bar base on the left, tight the bolt.

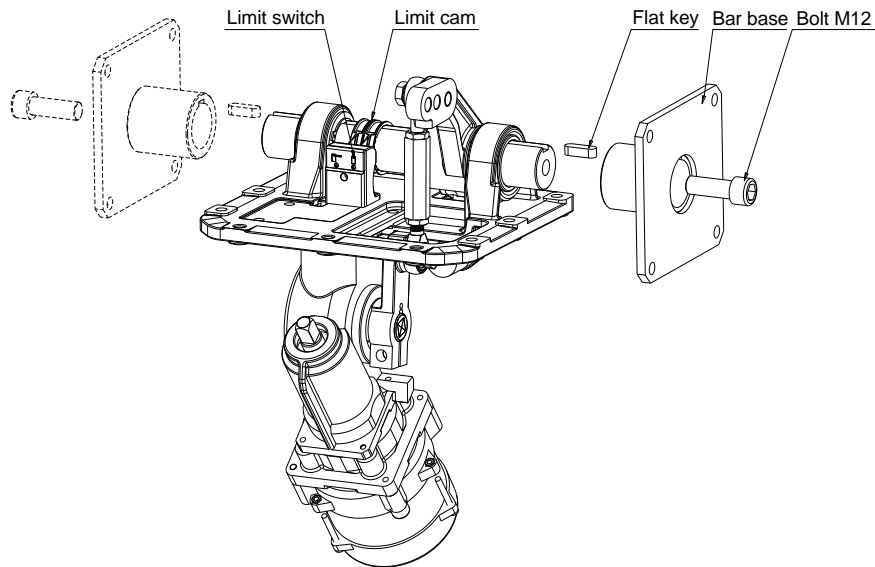


Fig.2

Conduit

Make one input hole for electric wires. In order to protect the wires, conduits must be set into the concrete when it is poured. Wires within the conduit shall be located or protected so that no damage can result from contact with any rough or sharp part.

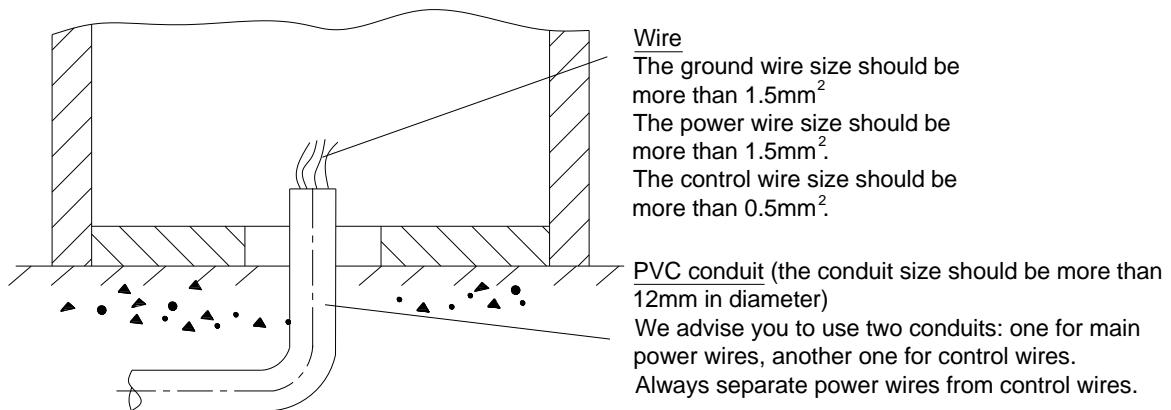


Fig.3

Expansion bolt (see Fig.4)

- The boom gate requires a concrete pad in order to maintain proper stability. Place the boom gate on its concrete pad and check the boom gate orientation with regard to the roadway.
- Mark the base hole locations onto the cement with a pencil or similar.
- Then move the operator to the side and drill the 4 holes on the marks that you have just drawn on the concrete pad.
- Insert the (4) M12 wedge expansion bolts that are provided with the boom gate into the holes or you can use the (4) M12 bolts, these bolts must be set into the concrete when it is poured.

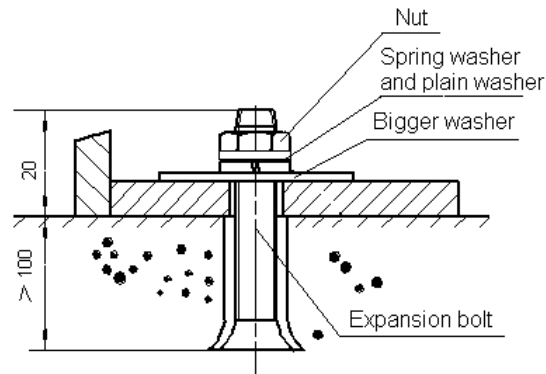


Fig.4

Boom gate

Place the boom gate back into position, place two pieces of plates on the square frame of the barrier, tighten the washers and nuts.

Bar

Mount the bar to the assembled cubicle and lock it with the four M10×16 socket head screws.

Horizontal position (see Fig.5)

- With power OFF.
- Rotate the worm shaft with crank until the drive lever contacts the pad.
- Loose the upper and lower nuts of connecting rod.
- Adjust the length by rotating the rod until the bar stops at horizontal position
- Tighten the two nuts.
- With power ON, adjust the limit position as shown in Limit switch section.

Balancing spring (see table 2)

Correct balancing is essential if boom gate is going to work properly.

Two holes on the driven lever. The boom gate is normally delivered in the first hole. If you need to change it to the second hole proceed as follows:

- Rectify spring force only when the bar is in open position (i.e. the balancing spring is loose).
- Loose the two screws.
- Undo the nut, release the balancing spring by turning the spring adjusting rod clockwise.
- Connect the spring adapter to the second hole of driven lever, tighten the screw.
- Connect the spring adjusting rod to the balancing spring and spring adapter by turning spring adjusting rod anti-clockwise. Tighten the spring adjusting rod to make the balancing spring for ideal condition of use.
- Fasten the nut.

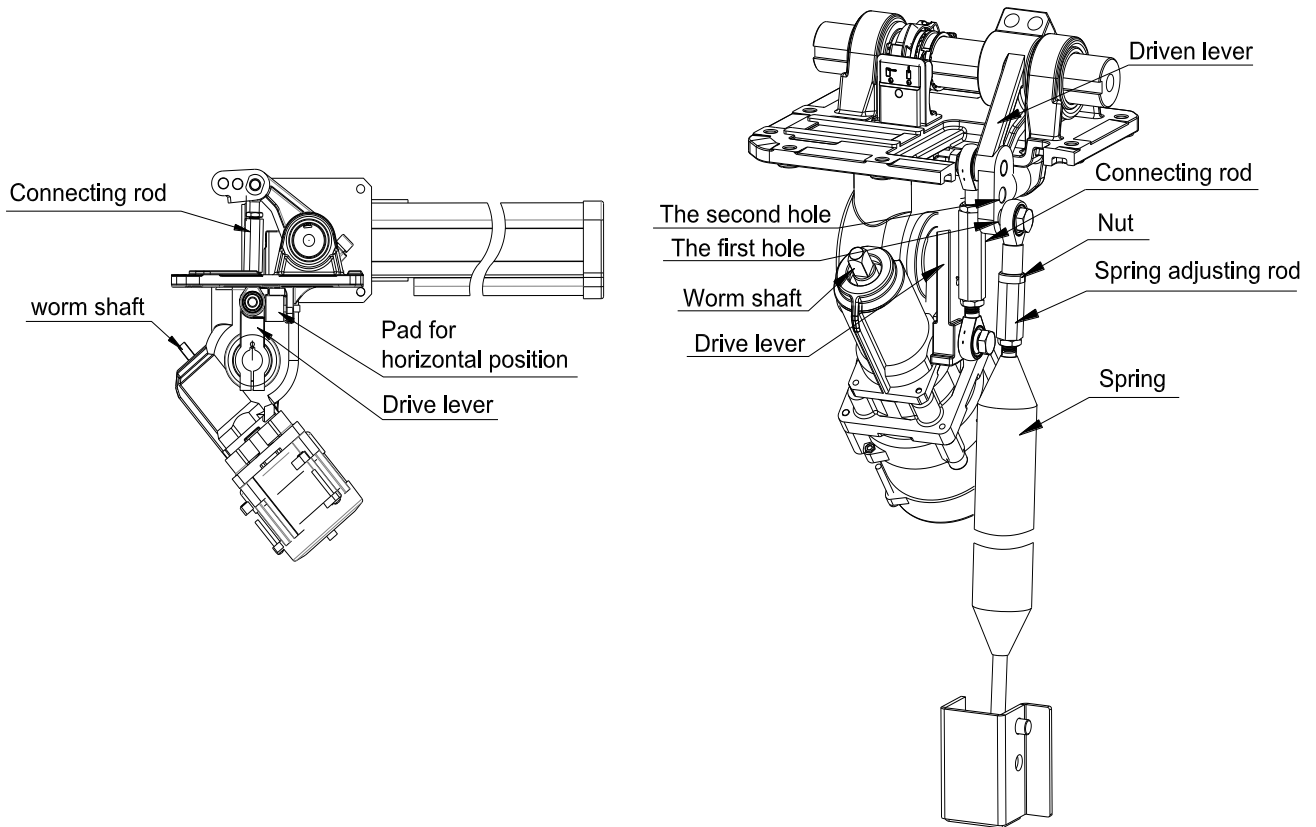


Fig.5

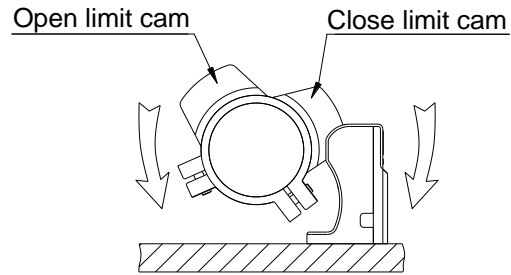
Manual operation

In case of power failure use crank to open or close boom gate manually, use the crank as follow:

- Shut off the main power of the boom gate. This safety measure is mandatory to avoid any risk of injury in case of accidental running of the motor.
- Insert the crank in the opening of the housing (protected by a cover).
- Turn the crank clockwise or counterclockwise.
- Withdraw the crank before switching the power back on.

Limit switch (normally open contact) see Fig.5 and Fig.6

- The adjustable limit switches are used to stop the bar in the opened and closed positions.
- Loose the M4 screw of open limit cam, turn the open limit cam until the open limit switch light illuminated, then tighten the screws.
- Loose the M4 screw of close limit cam, turn the close limit cam until the close limit switch illuminated, then tighten the screws.
- After adjusting, you can open the bar then close the bar and observe whether the bar has successfully reached the opened (vertical) position and closed (horizontal) position. If the bar does not reach the opened position and closed position, you can repeat the adjusting process.



5. Control Board

Consult the technical leaflet of the Profelmnet control board compatible - 3033/400

6. Maintenance

- Every 6 months regularly grease the wheels and axles.
- Check if all screws and nuts have been tightened firmly.
- Check if all wires are firmly connected to their respective terminal blocks.
- Make sure the bar is correctly fixed.
- Check the general state of the balancing spring.
- Keep boom gate clean at all times.

