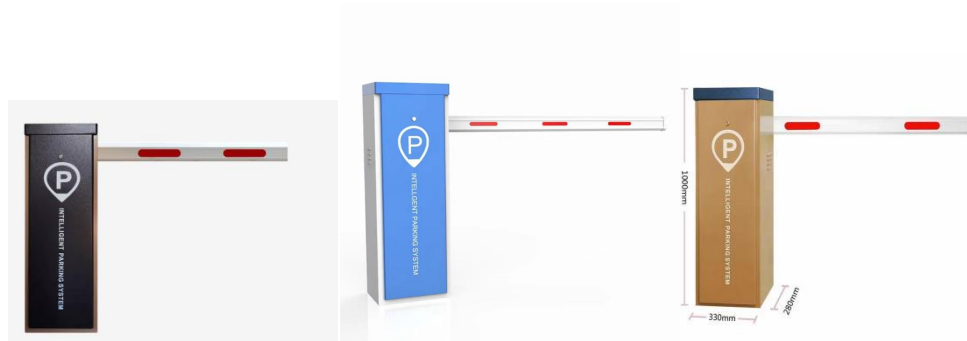


Datasheet of DC Boom Barrier Gate

EF-BB910

EF-BB912



EF-BB910 barrier gate is a new generation of digital barrier gate designed and manufactured by our company, which can adapt to modern "safe, fast, efficient and high-quality" management; Its high standard, high quality and high integration characteristics, the appearance image of fashion trends, and its unique color visual charm give people a noble, elegant, cool and pleasing feeling, which makes it more complementary with it. It is the first choice for parking lots, hotels, schools, garden villas, communities, enterprises and institutions and other occasions.

I Mechanical Properties

- the chassis is durable and waterproof, and can be used in outdoor environment.
- adopt integrated movement and full mold quantitative production to greatly improve product stability and ensure the operation accuracy of the gate;
- the precise three-bar linkage mechanism is adopted to make the brake rod slow up and pause without impact, so as to effectively reduce the vibration of the brake rod, reduce the motor load, and extend the service life of the gate;
- 100W integrated gear dc motor, with stable transmission, low noise, compact structure, no impact during locked rotor, protects the controller and extends the service life of the controller;

II Electrical characteristics

- high system integration and powerful functions;
- adopt lifting timeout protection, the motor will not overheat protection, and can operate all day to prevent abnormal damage to the brake;
- the imported high-power relay is used to ensure the reliable operation of the gate.
- adopt imported photoelectric isolation protection circuit to ensure signal integrity and strong interference resistance.
- wireless remote control receiving module integrating high-performance million groups of learning codes to ensure the stability of operation.
- adopt unique arc extinguishing processing circuit to ensure the service life of the control board.
- the transformer with original imported magnetic core can work stably in outdoor damp and miscellaneous environment.
- it integrates optical, electrical and mechanical control, with flexible and convenient operation, safe and reliable use.

III Safety features

- rebound when encountering resistance (pressure wave anti smashing): during the falling process of the brake rod, if it encounters external force resistance, it will automatically lift the rod to reduce the damage caused by errors;
- ground sense anti smashing: during the falling process, if the brake rod receives the ground sense signal, it will automatically lift the rod, and the rod will not fall during the triggering period. After the ground sense signal is restored, the brake rod will automatically fall to ensure safety;
- opening priority anti smashing: in case of emergency during the falling process of the brake rod, whether it is in the opening or closing operation state, as long as the opening signal is received, the brake rod will perform the opening action;

Performance characteristics:

1. The motor adopts 100W power, which saves energy and electricity, protects the motor from overheating, and can run at high speed 24 hours a day;
2. One to two springs are used, and the force adjustment range of the rod length is large, so the spring is not easy to break;

IV Technical Parameter

Working voltage: 24v+10%/50hz

Motor power: 100W

Operating ambient temperature: -30 °C ~ 80 °C

Relative humidity: ≤ 95%

Length of gate rod: it can be customized according to the actual situation on site

Lifting time: generally 0.8 ~ 6S

Height from the center of the brake rod to the ground: 850mm

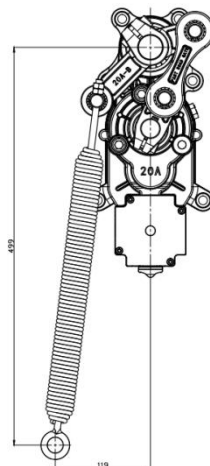
Remote control distance: ≤ 40m

Protection grade: IP44

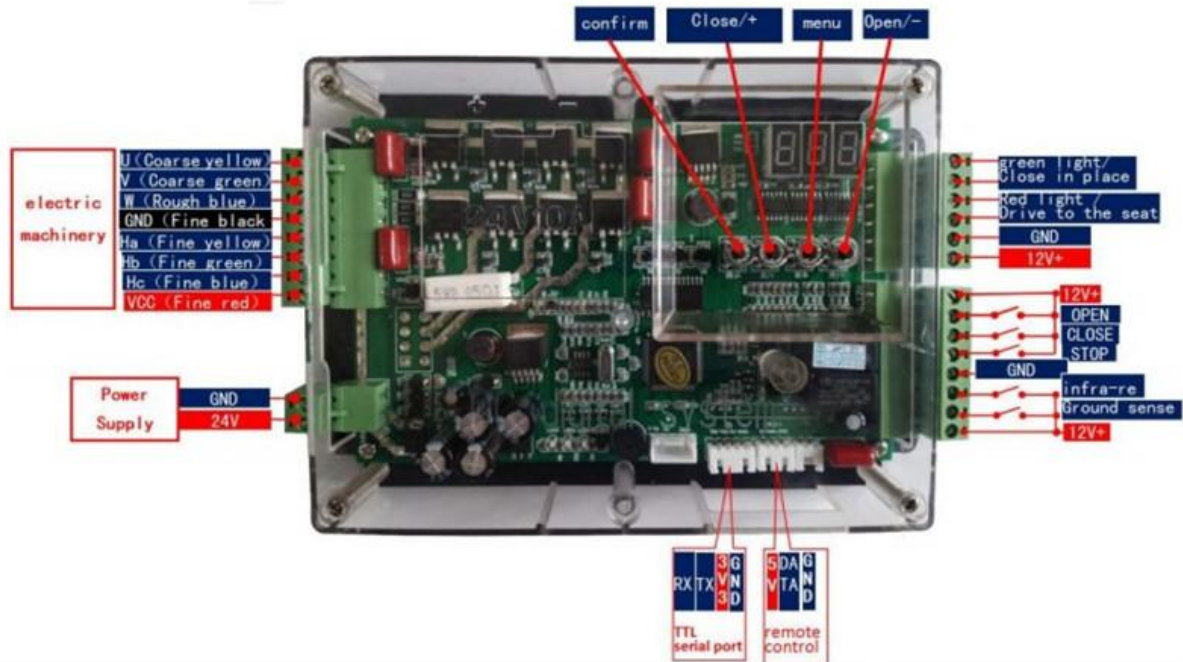
Input interface: +12v level signal or pulse signal greater than 100ms; The driving current is less than 10mA

Appearance size: 340mm × 280mm × 1000mm

V Internal Structure



VI Wiring Instructions



VII Installation instructions

- open the packing box and count the relevant random parts according to the parts list.
- determine the installation position of the gate host according to the left and right directions of the selected gate and the actual situation of the installation site. For the non concrete foundation or the gate main machine is installed with a slope, it is recommended to build a concrete foundation, and ensure that the foundation is firmly combined with the foundation, and the verticality of the gate main machine body and the horizontal plane is less than 1 °.
- according to the location of the control room or sentry box, lay the power line and control line pipe according to the relevant provisions of gb232 code for construction and acceptance of electrical device installation engineering (it is recommended that the power line and control line should be threaded in different line pipes respectively).
- install expansion screws at the installation position of the gate host (determined according to the accessories actually equipped in the list) and fix the gate host firmly before use.
- swing the brake rod to the horizontal position with a rocker, determine the installation position of the fork rod at the end of the brake rod, and fix the fork rod firmly with screws (there is no need to install if there is no fork rod).
- carefully compare the wiring diagram, connect the power line and relevant control lines to the gate control board, and tighten and debug after confirmation.

Note: the above operations should be carried out under the condition of power failure.

VIII Specific Operation

(1) Line embedment

Set the position of the chassis according to the requirements of the customer. If it is necessary to pour the concrete base, it can be completed in advance (the size of the base is about 100-150mm



larger than the overall size of the bottom of the gate). Embed or excavate the cable trench between the center point of the fixed position of the chassis and the control room or sentry box, bury the wiring pipe, penetrate the 3x1.5 mm² power line and 4x0.5 mm² control line used by the equipment, and backfill the concrete after confirmation.

(2) Fixed chassis

Put the chassis in the fixed position, open the chassis door, and then mark the center of the screw hole on the chassis bottom plate and the edge of the chassis base, remove the gate, and drill vertically on the marked screw hole with a drill (the size of the drill should match the expansion bolt with the equipment), and the depth should meet the length requirements of the expansion screw. Move the chassis to its original position, screw in expansion screws and fasten them firmly.

(3) Installation of brake rod

After the gate box is fixed firmly, the gate rod can be installed at the pole handle position, tightened with the equipped screws, and ensure that the gate rod is not inclined. If it is necessary to install the fork bar, after debugging the vertical and horizontal state, shake the brake bar to the horizontal position with a rocker, determine the installation position of the fork bar at the end of the brake bar, and fix the fork bar firmly with screws (there is no need to install if there is no fork bar).

(4) Installation of peripheral equipment

After the gate is firmly installed and debugged, the chassis circuit and the control circuit of relevant peripheral equipment can be connected according to the wiring diagram of the gate control panel according to the needs of customers, and relevant debugging can be carried out.