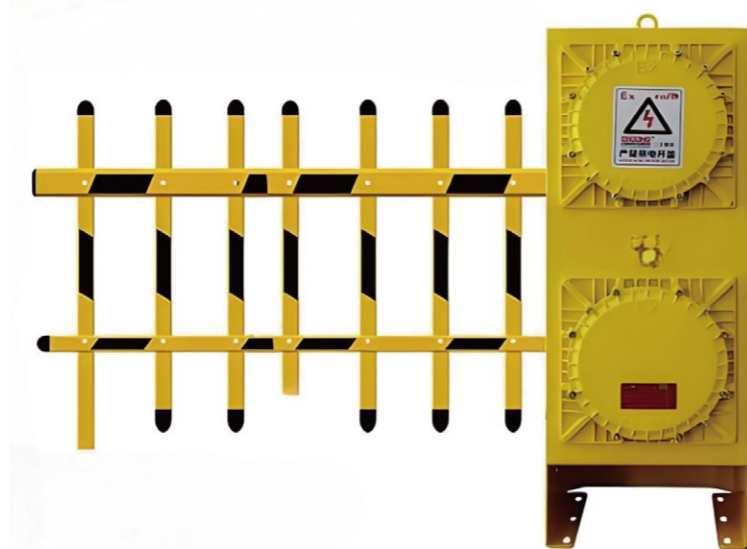


## Explosion Proof Barrier Gate



Explosion-proof barrier gate, also known as Explosion-proof barrier gate machine, is a special gate system, specially designed for flammable and explosive places, such as chemical plants, oil gas stations, oil, natural gas, chemical, pharmaceutical, dangerous goods storage and other areas, to prevent explosion accidents caused by electrostatic sparks and other reasons to ensure the safety of personnel and equipment.

The working principle of explosion-proof barrier gate is to achieve the purpose of explosion-proof by adding explosion-proof electrical appliances and special materials into the gate system. Its intelligent control system can realize automatic identification



and automatic control, such as sensing the arrival of vehicles and automatically raising and lowering the gear bar to control the entry and exit of vehicles. When the vehicle approaches, the vehicle stopper will automatically recognize the vehicle information and determine whether to allow the vehicle to enter according to the preset rules. If the vehicle is unauthorized or there is a safety hazard, the car stopper will immediately raise the bar to prevent the vehicle from entering. In addition, explosion-proof road gates also have a variety of safety protection functions, such as anti-collision, anti-clip, etc., can effectively avoid accidental injuries to vehicles and pedestrians.

The characteristics of explosion-proof road gates include:

**High degree of intelligence:** It can be adjusted and controlled according to different needs and scenarios, such as automatically adjusting the speed and height of opening and closing according to the type and size of the vehicle, and can also be automatically controlled according to different time periods to achieve more intelligent management and control.

**Long service life:** The materials and technologies used are professionally designed and tested to ensure a long service life.

**Low maintenance costs:** Due to the professionalism of its design and manufacturing, maintenance costs can be reduced.

**Wide applicability:** can be designed and manufactured according to different needs and scenarios, suitable for a variety of places and environments.

**Remote control and monitoring:** The control system of explosion-proof barrier gate adopts advanced technology, which can realize remote control and monitoring, greatly improving the convenience and safety of use.

## ► Explosion-proof Barrier Gate



### ► Functional Characteristics of Explosion-proof Barrier Gate

- 1、 the take-off and landing speed can be adjusted for 1.2-4 seconds, 3-8 seconds
- 2、 left and right can be quickly interchangeable
- 3、 power failure manual lift rod, automatic reset call
- 4、 curved arm three-link movement structure, smooth take-off and landing rod
- 5、 wireless remote control lifting rod, drop rod
- 6、 encounter resistance return (strength can be adjusted)
- 7、 infrared shooting anti-smashing (need to configure shooting device)
- 8、 support the sense of anti-smashing
- 9、 the parking lot system open and close control signal (required to be a switch signal)
- 10、 traffic light interface (2A24V/220VAC, less than 40W traffic lights)
- 11、 provide limit status signal to the parking lot system (output COM/NO/NC)
- 12、 delay rod drop function
- 13、 RS485 or CAN network communication interface (no need to install modules)
- 14、 Count interface

- 15、 24V battery interface (can use solar charging) (optional)
- 16、 power off lever (with storage module) (optional)
- 17、 anti-collision alarm device
- 18、 streamlined appearance, perfect protection, explosion-proof performance is reliable and safe
- 19、 high strength thickened explosion-proof body, high voltage electrostatic spray after pickling phosphating
- 20、 full mold movement, smooth deceleration, gear transmission more durable
- 21、 all copper motor, with high temperature protection, stable performance, high service life
- 22、 reasonable counterweight tension spring strength can be adjusted, 1-6 meters adjustable, convenient and fast.

### ► Explosion Proof Mark

- ⊕ II 2 G Ex db mb IIC T4 Gb;  
Ex db mb IIB T4/T5/T6 Gb;  
Ex db mb IIC T4/T5/T6 Gb;  
Ex db eb IIB T4/T5/T6 Gb;  
Ex db mb IIC T4/T5/T6 Gb;
- ⊕ II 2 G Ex tb IIIC T130 °C DbIP66/Ip65

