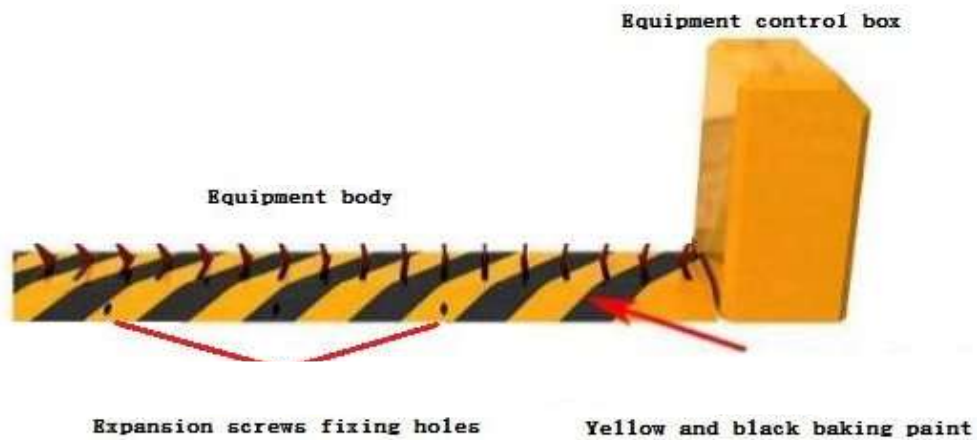
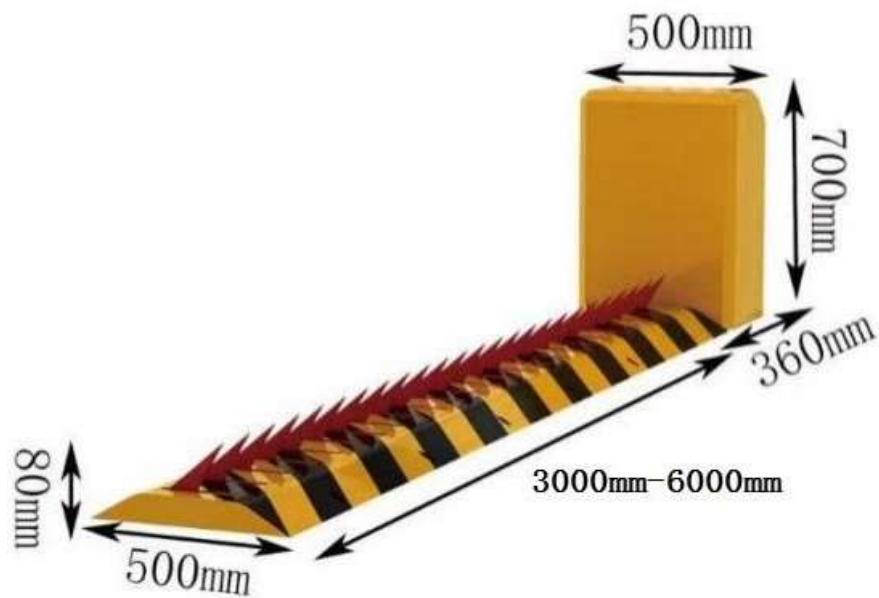


# AUTOMATIC.

## Installation method of the tire breaker





## **preface:**

It is composed of A3 steel plate (similar to speed bump) and steel plate blade, adopts electromechanical integrated remote control device, easy to operate, safe and reliable, and is an advanced equipment to intercept the passage of non-allowed vehicles and terrorist vehicles.

When needing to perform the interception task, press the remote control rise button, the steel plate blade in the tire break immediately sticks out, such as the car, the tire will be punctured and deflated, at the same time, the steel plate blade can effectively prevent the passage of the wheels and be forced to stop.

At the end of the interception task, press the remote control drop key, the steel blade immediately returns to the ground level and turns to the standby state.

## **Composition of the tire-breaking system:**

The tire breaker equipment is mainly composed of three parts: main frame, electric transmission station and electronic control part:

- 1, main frame: mainly composed of A3 steel plate (similar to speed bump) and steel blade, chassis, drive shaft. The whole machine is a steel structure, welded with GB A3 carbon steel plate and channel steel, with high load bearing and collision resistance; no electrical appliances and line setting in the body, waterproof and safe. The device is buried in the lane or the designated position of the gate, through the instructions of the personnel on duty.
2. Electric transmission station: mainly composed of motor, speed box, switch, optical shaft, bearing, base, full transmission, components, etc. No internal gear, no belt rotation, no maintenance, stable use and longer life. It is the system power source of the whole tire breaker and used with the tire breaker; the power failure can be manually lowered baffle or manually raised
- 3, electronic control system: automatic electronic control part: control main board, transformer, relay, remote remote control device and manual wire control device, etc.

## **Closure instructions:**

1. After determining the installation position of the tire breaker, electric station and electric control box, the trench direction of the control line should be arranged according to the terrain of the installation place, and the pipeline should not damage other underground facilities safely. And in the appropriate position to mark, so as not to damage other construction operations, resulting in unnecessary losses.

2. The size of the pipeline embedded trench should be determined according to the specific terrain. Generally, the embedded depth of the control line is 5-15 cm and the width is about 5 cm (can go to the wall); the cable tube (PVC)

3. When wiring, the position between the electric station and the electric control box is determined first, and the required length of the pipeline can be calculated. There are two groups of lines connected between the electric station and the electric control box, one of which is:  $4 \times 0.5 \text{ m}^2$  (Signal control line); The second is:  $3 \times 1.5 \text{ m}^2$  (electricity Machine control line), The control input voltage is 220V; c. If manual button operation is required, a set of lines shall be embedded from the electric control box:  $4 \times 0.5 \text{ m}^2$  (Manual control line).



## Construction step and method:

1. Determine the position of the vehicle entry and exit according to the size of the tire breaker (4000mm length \* width600mm \* 80mm deep, which is the size of a 4 m tire breaker) according to the actual tire breaker, and confirm the foundation excavation of the underground pipe (size according to the above instructions)

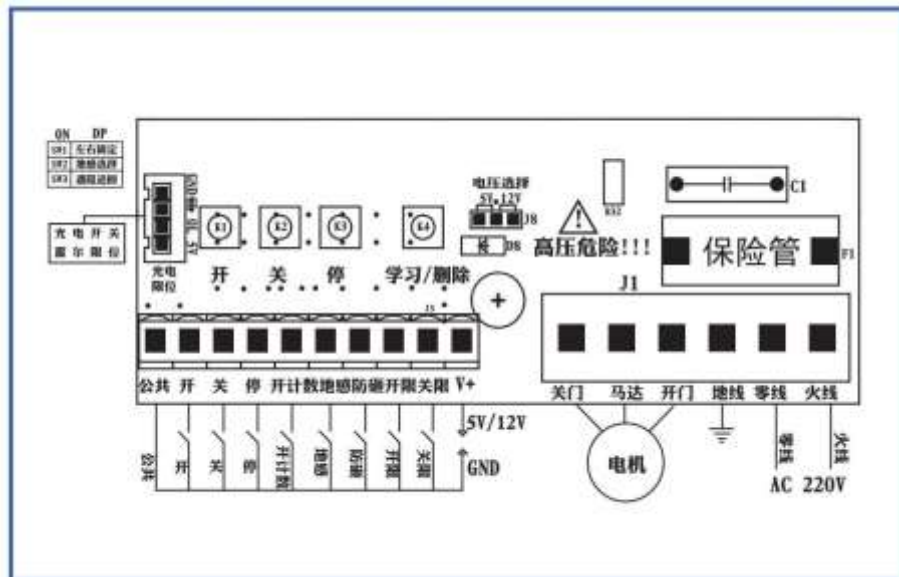
2. After the position is set, the tire breaker can be directly placed on the road surface to be installed (the road surface needs level, so that the whole body can be stressed), and then the expansion screw can be fixed (using M10 expansion screw fixed) (if it is embedded, do not need to screw, fixed with concrete).

3. After the fixation of the tire breaker, fix the electric station and connect the rotating flange with the electric breaker with the original screws.

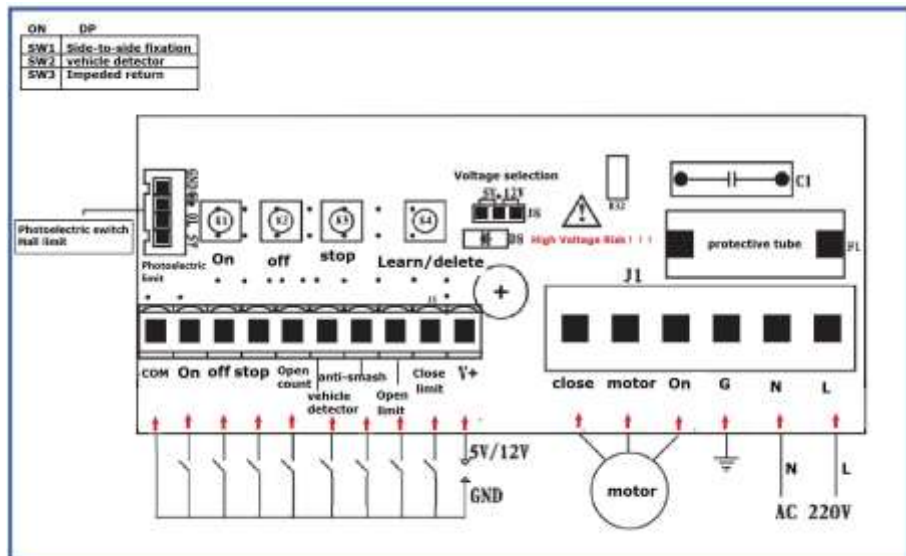
## Electrical control box placement:

The electric control box is used to control the take-off and landing of the electric station. The appearance size is 500x700x360MM, which can be placed next to the body of the equipment. The manual switch can be introduced into the console surface in the duty room to facilitate the operation of the personnel on duty

## Controller wiring diagram:



## English wiring diagram





## **Remote Control Learning / Delete Instructions:**

1: Add remote control code: press and hold down the study / delete key in the controller (about 2 seconds), wait for the study / work indicator to release, prepare the remote control to learn, press and hold down any key of the remote control. After successful learning, the indicator light automatically appears in the flashing mode.

2: Delete the remote control code: press and hold down the study / delete key in the controller (about 9 seconds) until the study / work light is off (complete the delete code) (Note: this operation is to delete the code of all the remote control)