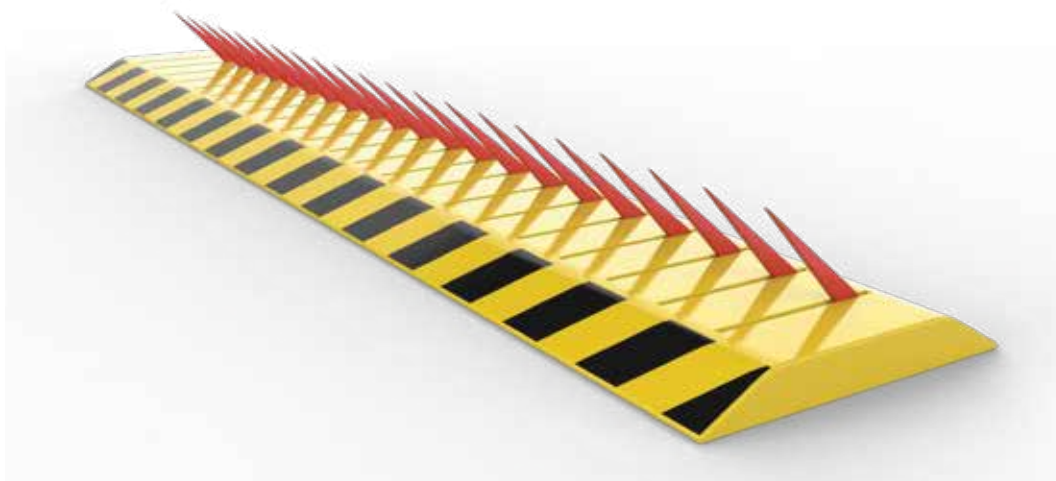


# USER MANUAL

## Tyre Killer Series

(TK300, TK400, TK500, TK600)



# Content

- Technical Parameter
- Components
- Construction installation and bill of materials
- Controller diagram
- Link Control Connection
  1. Control connection with barrier gate
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- Traffic light connection
- Alarm Connection
- Manual operation

## Technical Parameter

- 1、 System : 220V electric drive
- 2、 Passing pressure: Max 80T container truck
- 3、 Power supply: 220 (Control voltage 24V)
- 4、 System dynamic power (w): 180W
- 5、 Rising time:  $\leq 1-2S$
- 6、 Lowering time:  $\leq 1-2S$
- 7、 Working Temperature:  $-35^{\circ}C \sim 75^{\circ}C$

8、 Storage Environment : -10°C~65°C

9、 Material: A3 steel,with anti-rust paint

10、 Color: Optional

11、 Weight: 0.3T/0.4T

12、 Casing Size

Surface /Flush mounted type

L mm	W mm	H mm	Rising height mm
3000	550/500	80/136	150
3500	550/500	80/136	150
4000	550/500	80/136	150
4500	550/500	80/136	150
5000	550/500	80/136	150
5500	550/500	80/136	150
6000	550/500	80/136	150

### Components

1. Tyre killer
2. Controller
3. Motor
4. Remote controller

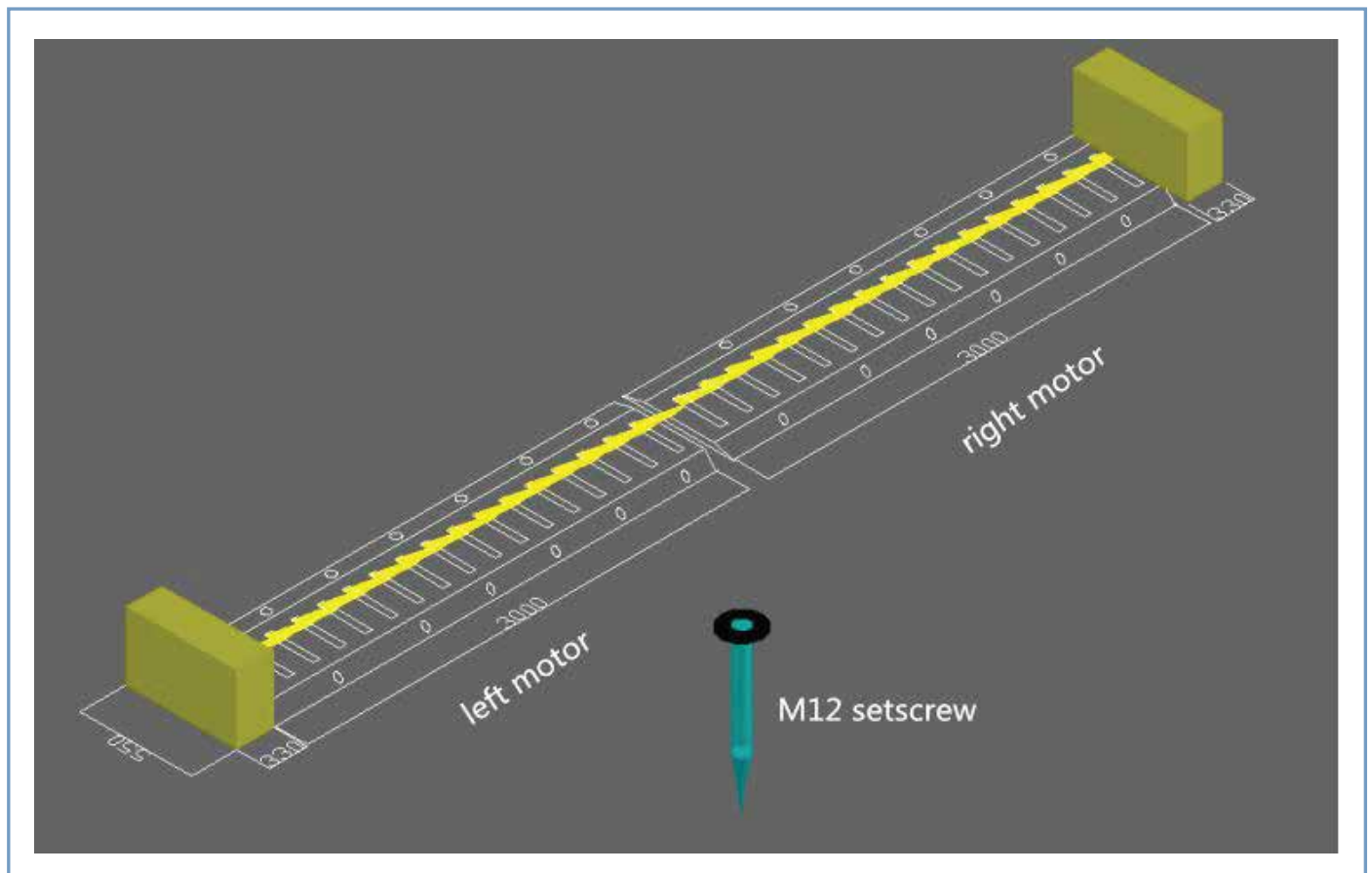




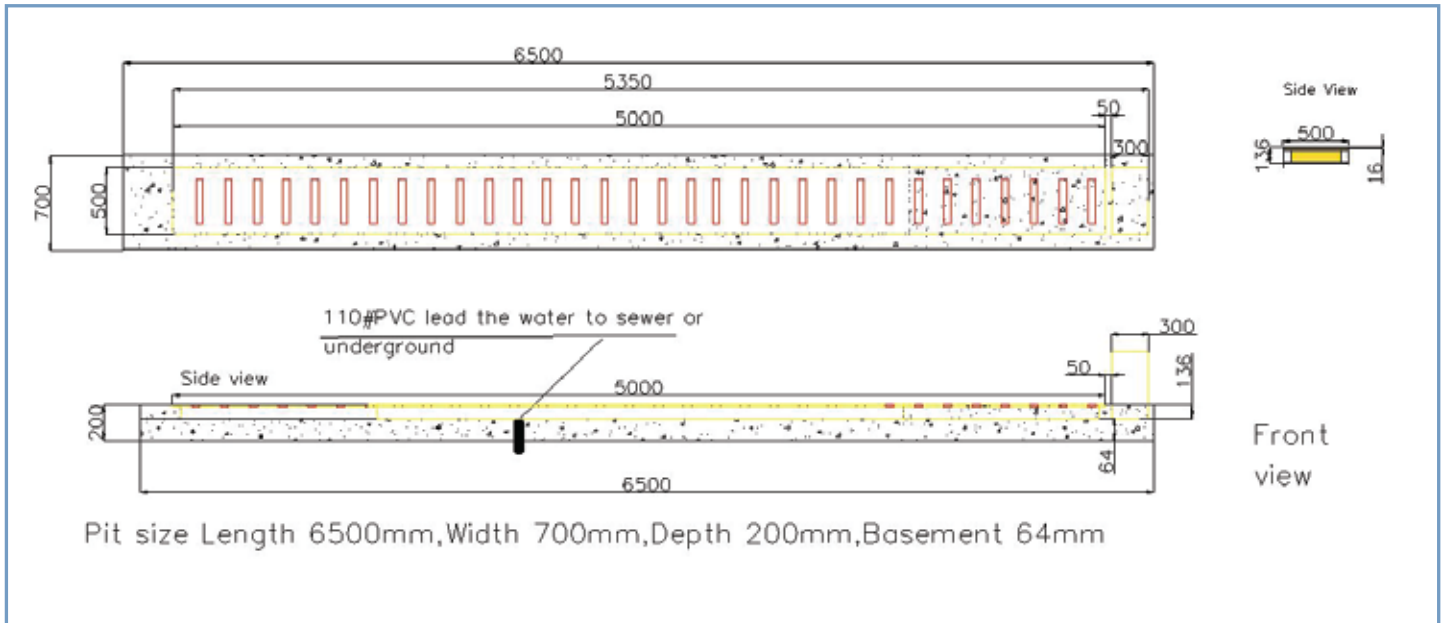
## Construction installation and bill of materials

1. Locating based on client request
2. Find good levels on both sides  $\pm 10\text{mm}$
3. Prepared M12 setscrews
4. AC220V power supply (2\*1.5-2.5mm)
5. Open-Close signal cable (4\*1mm) (4: 1.COP)

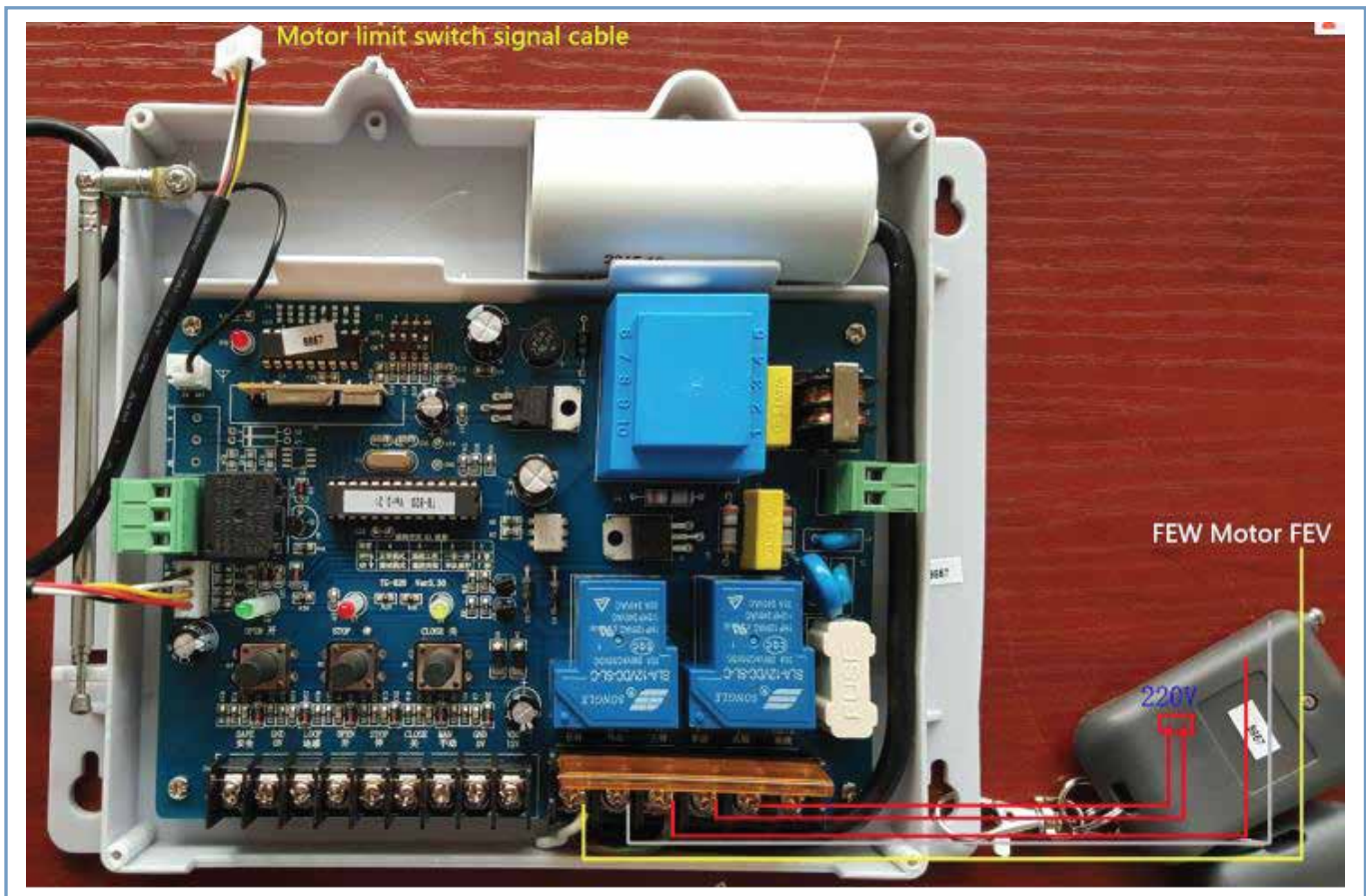
### Surface Mounted STK-201



## Flush Mounted Tyre Killer FTK-202



## Controller diagram



## Link control connection

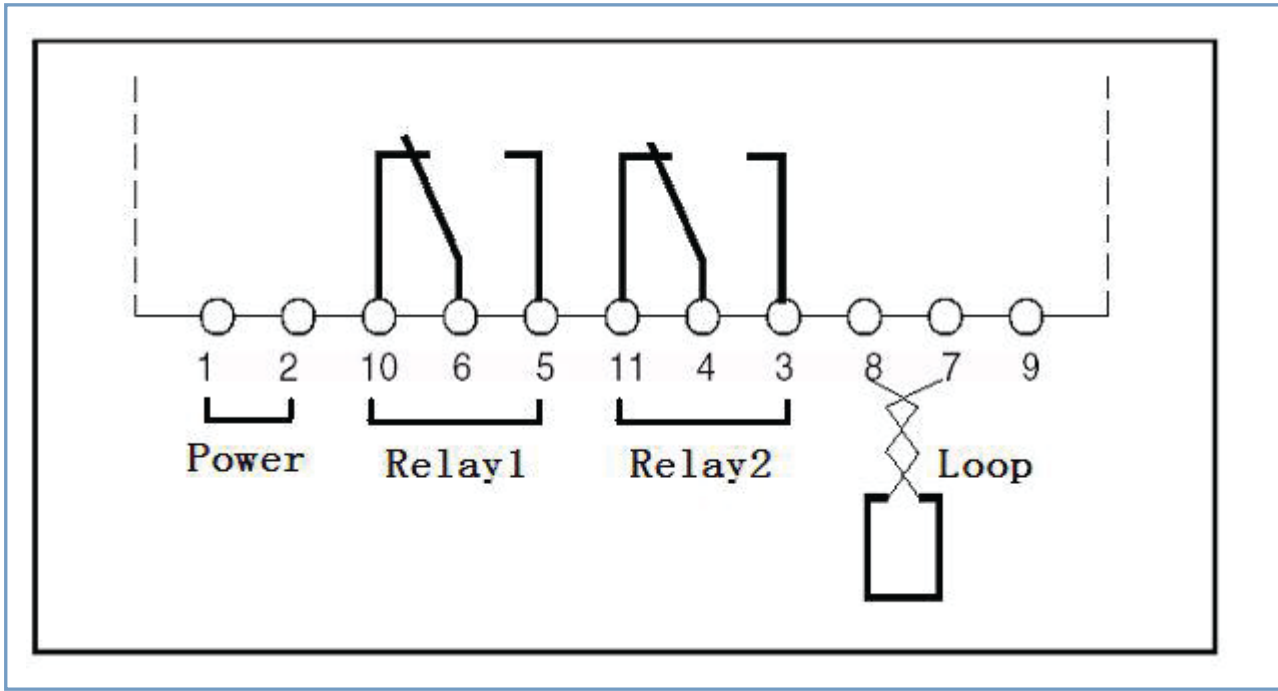
1, The link control with parking system, access control system, license plate recognition system,etc. can be realized, by the relay signal

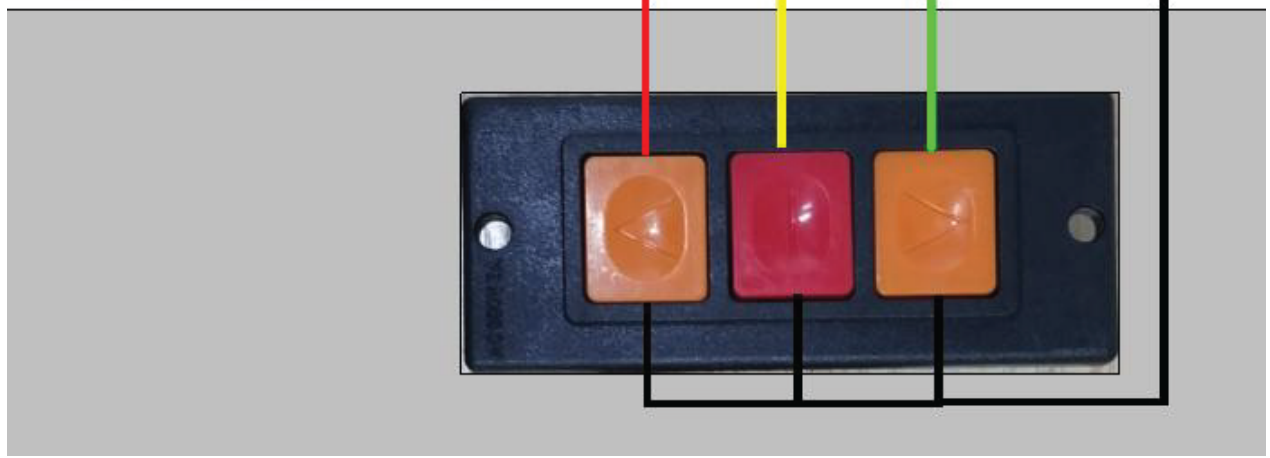
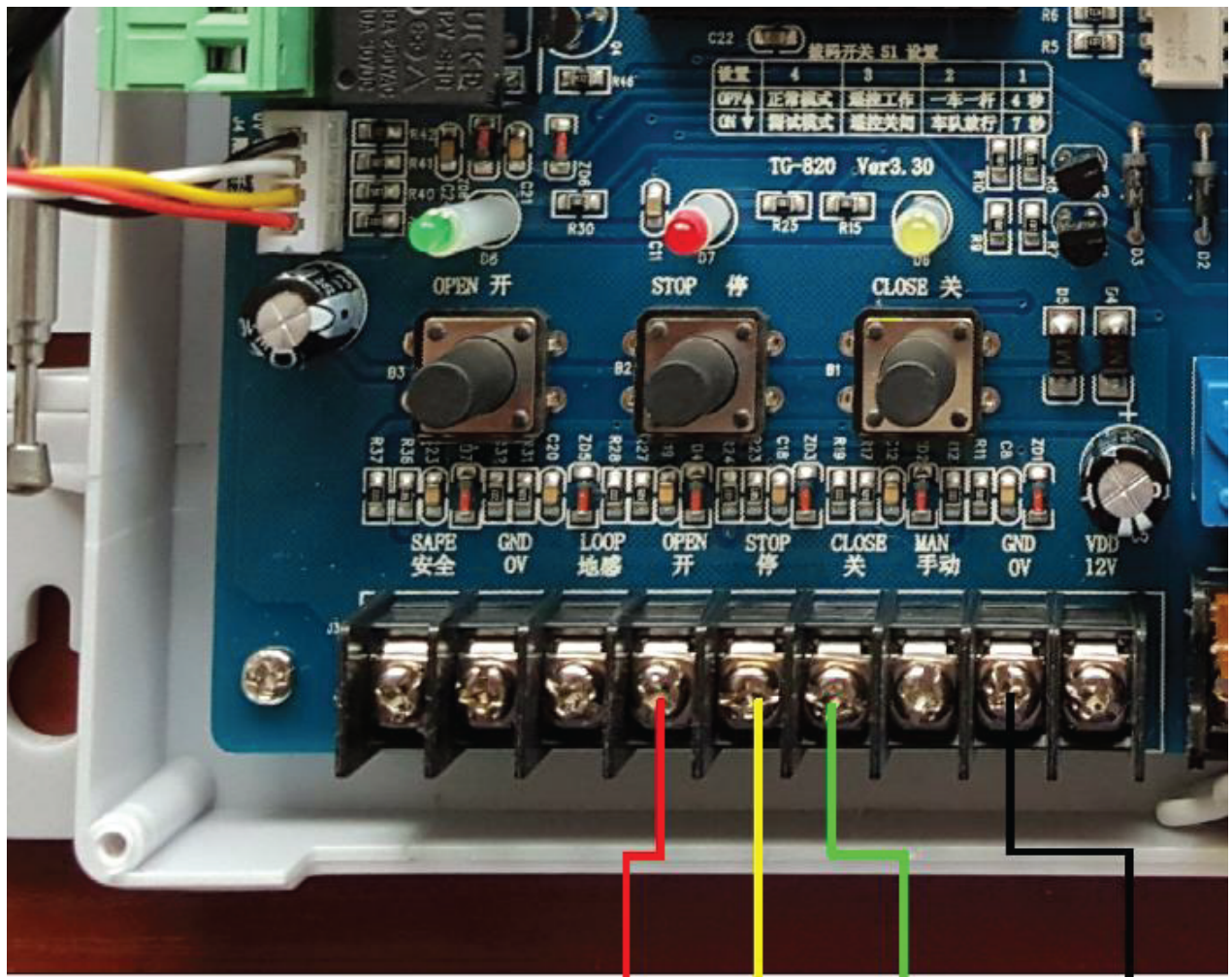
2, Control with parking barrier

Item	Parking barrier		Tyre killer
1	COM	to	OV
2	Open	to	Close(parking barrier open,tyre killer close,vehicle access)
3	Close	to	Open (parking barrier close,tyre killer open,vehicle stop)

3, Connect with loop detector for automatic closing

Item	Loop detector		Tyre killer
1	4	to	OV
2	3	to	Close(loop detects the vehicle, the spike close



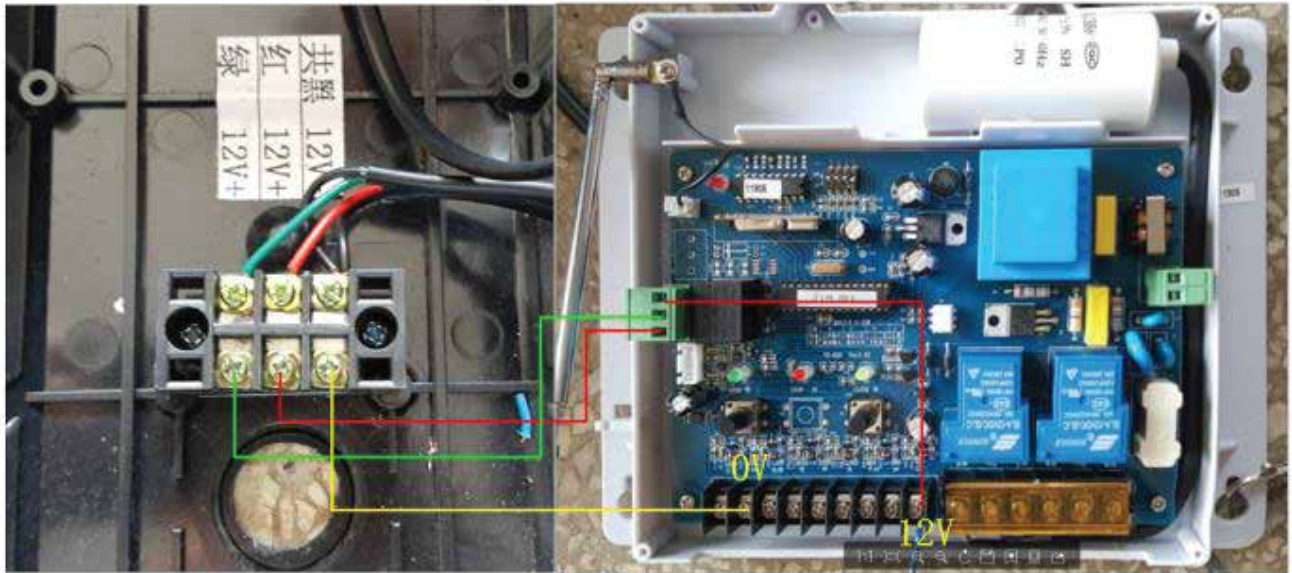




## Traffic Light Connection

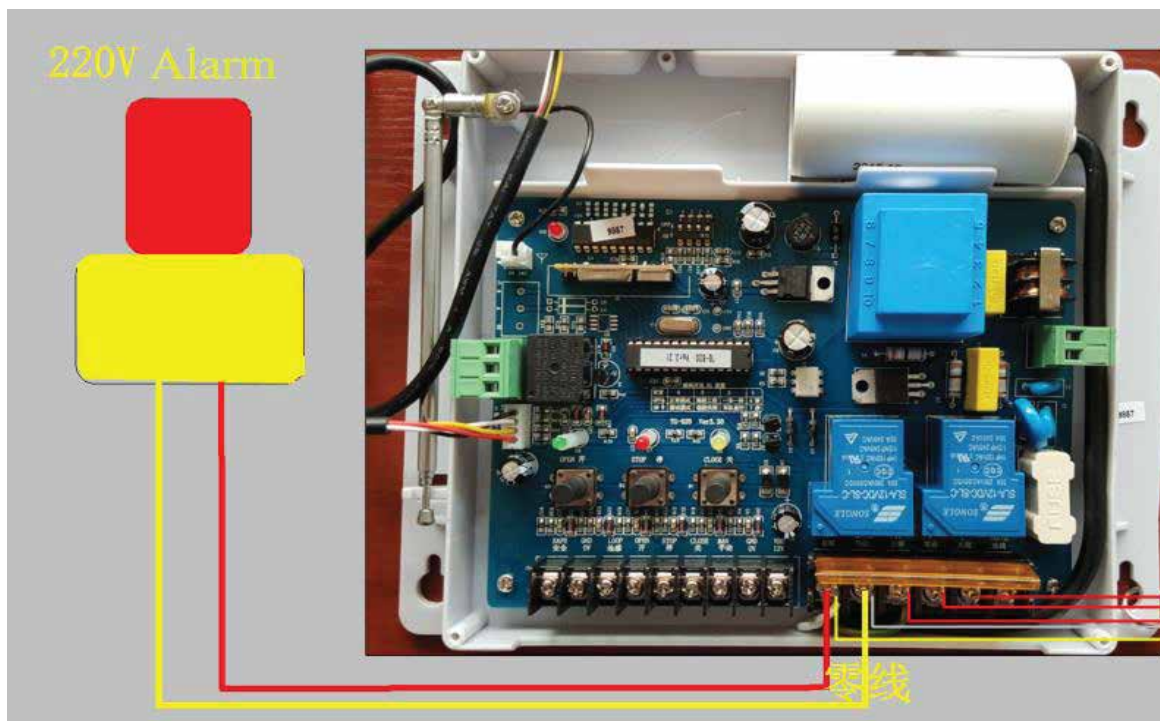
- 1, Please use DC12V traffic light
- 2, Wiring as below

### Wiring with traffic light



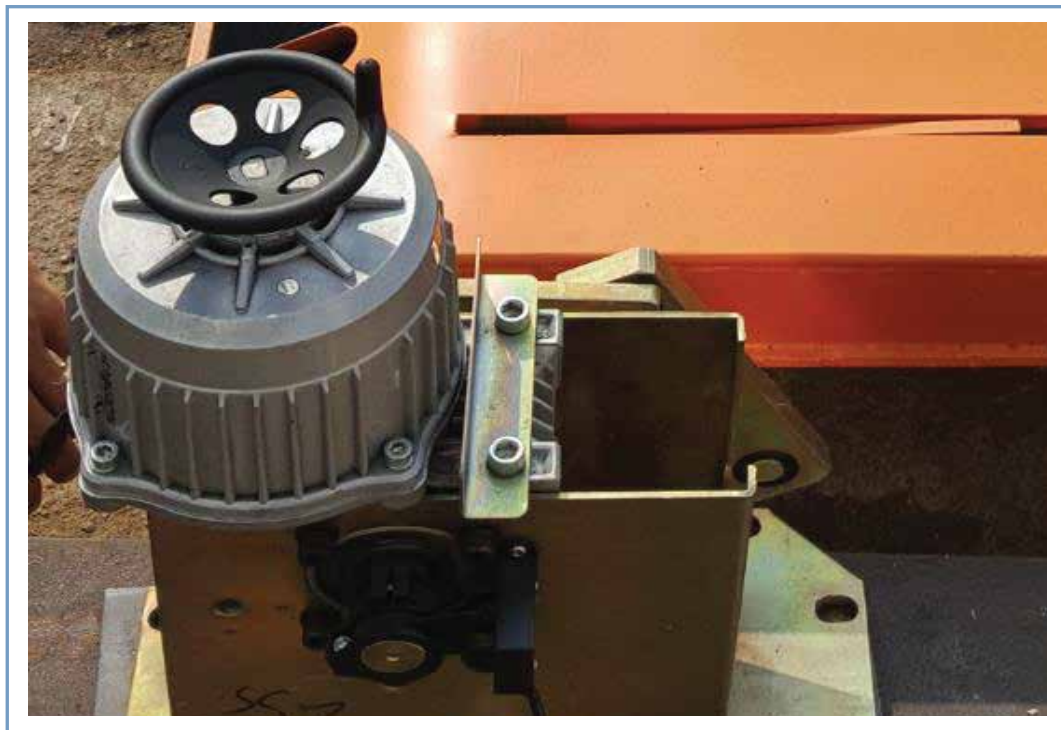
## Alarm Connection

- 1、 Please use AC220V Alarm
- 2、 Connect to motor and FEW or FEV



## Manual operation

1. Open the casing of the motor
2. Rotate the motor steering by hand
3. Forward-up, reverse-down



### Notice

- 1, Please lubricate the bearing each half year by lubricating oil .
- 2, If it is flush mounted tyre killer, water-drainage is needed when installing.

