

Installation Guide

Anti-terrorist Hydraulic Bollard

Version: 1.1

Date: August 2021

Installation and Construction

1. Foundation

- Dig out a groove of 1 m wide and 1.3 m deep and determine its length based on the number of Bollard and the spacing between the piles.
- Dig out a reservoir based on the onsite conditions or connect to the nearest municipal drainage pipeline.
- Make a subcrust of about 200 mm deep by using concrete of C30 or higher at the bottom.

2. Installation

- Connect the device cables, including:
 - Two-core cable of 0.5 square meter (used for emergency descent)
 - Three-core cable of 1.0 square meter or larger (used for the motor)
 - Four-core cable of 0.5 square meter (used for LED light)
 - Ground cable of 1.5 square meters
- Install the capacitors in the electric cabinet (one capacitor for each Bollard).
- Place the device into the groove.
- Pass all cables through a PVC tube onto the ground.
- Connect the PVC tube to the drainage pipeline at the bottom of the device, which will be connected to the reservoir.
- Install a submersible pump with a float ball in the reservoir.

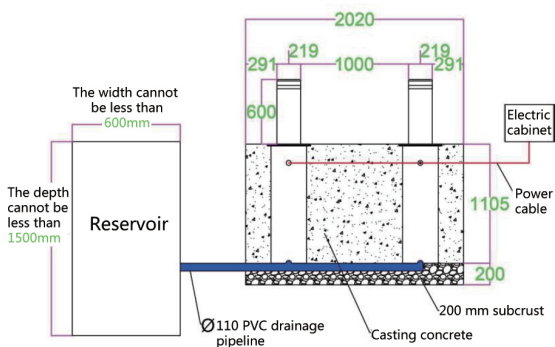
3. Connect the power supply to test the lift, descent, stop, and other features.

4. Fill back some sandstone into the groove for fastening and cast concrete into it.

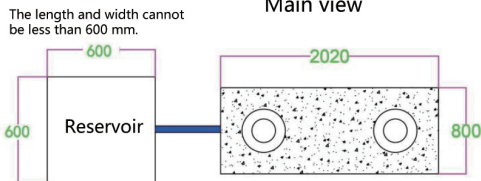
5. After the concrete is hardened, the installation is completed, and the device can be used.

Maintenance

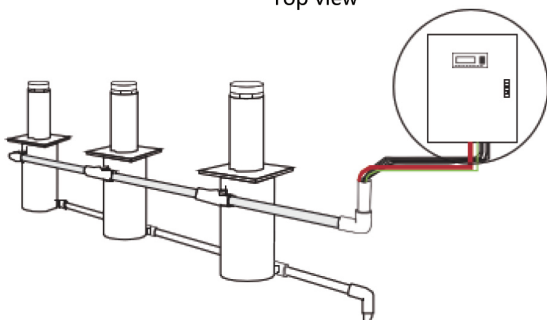
1. During maintenance, cut off the power supply and put a maintenance or repair sign at a conspicuous location.
2. Regularly clean and maintain the surface, electric control system, and hydraulic control system of the device.
3. Dredge the drainage pipeline.
4. Regularly check the operating conditions of the switches, buttons, and indicators.
5. Regularly fasten connecting bolts.



Main view



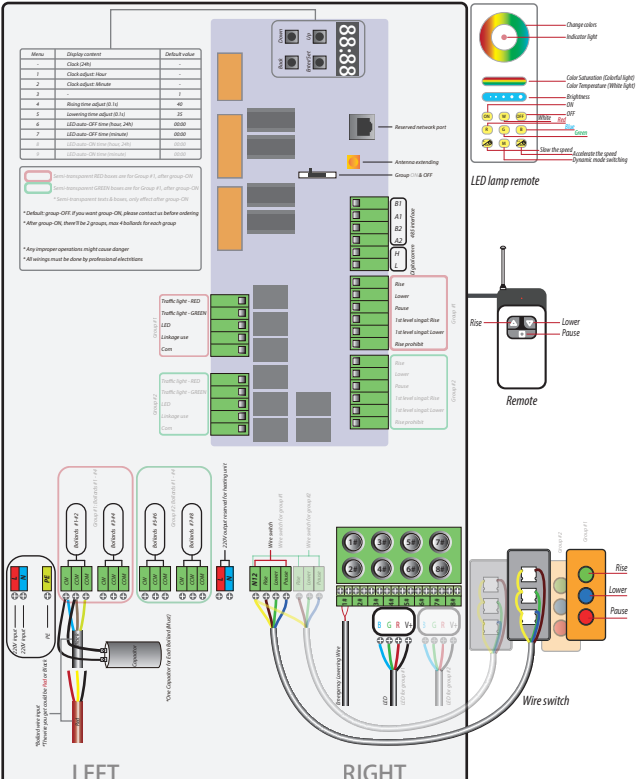
Top view



After-sales Services

- * During electric maintenance, cut off the power supply and put a maintenance or repair sign at a conspicuous location.
- * Check whether the connecting terminals, electric components, and flange plates on the piles are firmly connected once every month.
- * Regularly clean and maintain the surface, electric control system, and hydraulic control system of the device.
- * Regularly fasten the screws of the drive mechanism and the mechanical fastening mechanism.
- * Check whether the pre-buried bucket has a large amount of accumulated water or oil leakage.
- * During the warranty period, our company shall provide maintenance services by mailing parts, as well as remote service free of charge.
- * The warranty does not cover the devices damaged due to force majeure and improper use of the devices.

Detailed View of Ports on the Electric Cabinet



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