



Automatic Smart Flood Barrier for Garages Parking Lots and Doors-Water Safety Product



Advantages:

1. No human intervention is required;
2. Fast response speed;
3. Intelligent, automatic warning, autonomous sensing, automatic lifting, automatic sealing, full automation, reducing manual dependence;
4. Accessories are integrated and automatically recycled after use, no need to save separately, reducing the risk of accessories lost.

Disadvantages:

1. There are certain requirements for the installation site. If the site does not meet the installation conditions, the designer needs to intervene in advance;

Scope of application

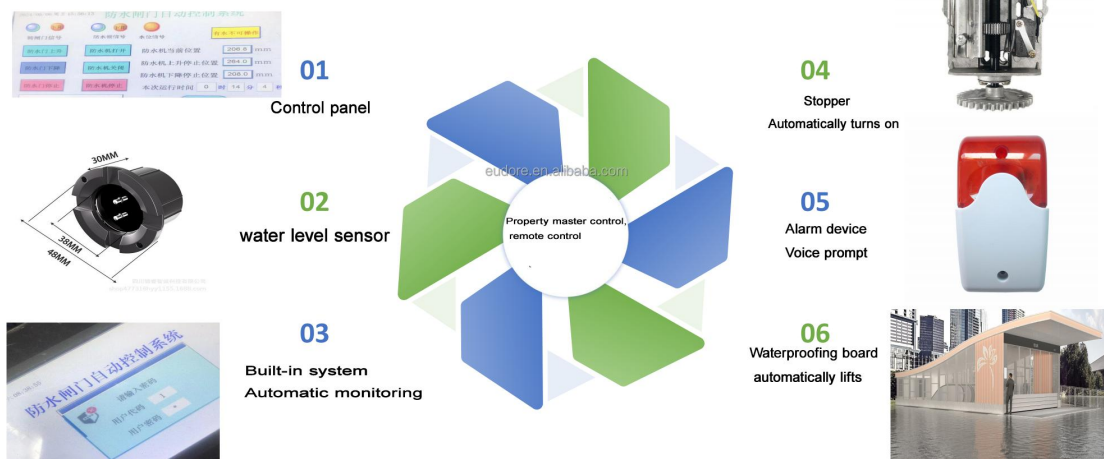
Office buildings, residential buildings, large supermarkets, shops, garages, civil air defense projects, underground parking lots, subways and other entrances and exits and safe evacuation exits.

Prevents the ground water level from pouring into the building when it is too high due to heavy rain, floods, waterlogging, etc., causing loss of life and property.



3. Can be connected to each property's main control system, automatic alarm, voice reminder and remote monitoring alarm

Product introduction



4. The gate is automatically closed by water level sensing or remote control, and can be manually closed when power is lost (signal is lost); it can be automatically reset after a disaster.

Product introduction three (technical features)

4. the water slotsensor automatically shakes or remotely controls the gate, and closes manually when the power fails (lost signals); automatically resets the slot after a disaster.



5. Built-in external power supply, reserve power supply, manual switch device, triple insurance;

Product introduction three (technical features)

5. built-in external power supply, reserve power supply, manual switching device, triple insurance;



Product Introduction IV (Main Materials)

Baffle

- 1) Aluminum baffle: Aluminum alloy 6063-T6, using special molds, one-piece extrusion molding, surface anodizing treatment, durable, waterproof and moisture-proof, never rust.
- 2) Width: Cut according to site requirements, tight fit.
- 3) Height: Single profile height 200MM, water retaining height According to local flood control requirements, free combination.
- 4) Profile thickness: 50MM, wall thickness: 2.8MM, strong and reliable.



Product introduction four (main materials)

Baffle

- 1) aluminum baffle: aluminum alloy 6063-t6, using special molds, all-in-one extrusion molding, surface anodized treatment, durable, waterproof and will never rust.
- 2) width: cut according to on site requirements, tight fit.
- 3) height: the height of the single-chip profile is 200mm, and the water-blocking height is freely combined according to local flood protection requirements.
- 4) profile thickness: 50mm, wall thickness: 2.8mm, strong and reliable.



Waterstop Strip

- 1) Material: imported EPDM, special mold, integrated extrusion molding.
- 2) Color: black
- 3) Material features: anti-oxidation, high durability, ten years of worry-free
- 4) Applicable temperature: 60°C ~ -40°C, suitable for most countries and regions in the world



Product introduction (main materials)

Water stop strip

- 1) material: import epdm rubber (epdm), special mold, all-in-one extrusion molding.
- 2) color: black
- 3) material characteristics: antioxidant, high durability, ten years worry-free
- 4) applicable temperature: 60 ° ~ from 40 ° , suitable for most countries and regions across the world



Motor system

- 1) Powerful copper core motor, stable, low noise;
- 2) USP lightning protection circuit, precise positioning;
- 3) High-strength alloy gears are durable;
- 4) Limit device, safe opening and closing;

- 5) Backup power supply: stored energy provides backup power during an outage.
- 6) Manual opening and closing provides an additional operating option.

Product introduction (main materials)

Motor system

- 1) strong copper core motor, stable and low noise;
- 2) usp lightning protection circuit, accurate slot setting;
- 3) the high-strength alloy gear is strong and durable;
- 4) limited slot device, open and close security;
- 5) spare power supply: power-on energy storage, priority use during power outages, second guarantee

6) Manual opening and closing





Early warning system

- 1) Water level sensor, stainless steel probe electrode, anti-corrosion and anti-rust, durable, sensitive, water level reaches the specified height, automatically sends a signal to the system;
- 2) Sound and light alarm, water level reaches the specified height, receives the system signal, the alarm light lights up, and issues a voice alarm to alert pedestrians and related personnel;
- 3) Autonomous control system, receives the water level sensor signal, sends a signal to the sound and light alarm and the main control room when the water level reaches the specified height, the main control room receives the signal, sends a command to the system, the system controls the limiter, motor, and hydraulic sealing system to complete the falling and sealing action; if the main control room does not respond to the signal or the response is timed out, the system controls autonomously to complete the falling and sealing action; the danger is eliminated and the system automatically resets.



Product introduction (main material)

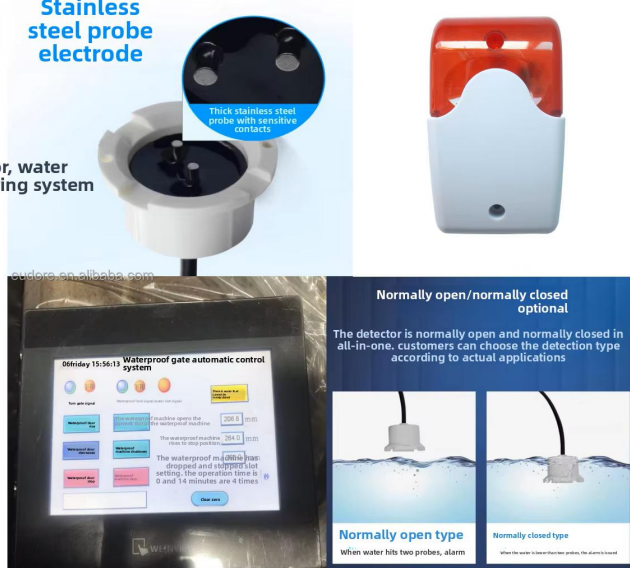
Stainless steel probe electrode

Warning system

1) water slot sensor, stainless steel probe electrode, anti-corrosion and anti-rust, durable, sensitive sensor, water slot reaches the specified height, and automatic moving system sends signals;

2) sound and light alarm, the water slot reaches the specified height, the receiving system signal, the alarm light will light up, send out voice alarms, warning pedestrians and related personnel;

3) independent control system to receive water slot sensor signals. when the water slot reaches the specified height, send a signal to the sound and light alarm, the main control room to receive signals, send instructions to the system, and connect the unified control slot limiters, motors, and hydraulic sealing system to complete the drop sealing action; the main control chamber has no response, or reflect over time, the system independently controls the system to complete the drop, sealing action; the risk is detached, and the system will automatically reset



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CURRENT MODEL - CONFIRMED CONFIGURATION

Motorized roll-up opening; water-triggered closure.

Standard: backup power, manual operation, audible/visual alarm and infrared anti-pinch protection. Wide-input power supply: 80-235 V.

1200 mm protection height without rear supports or connecting rods, subject to approved opening width and site conditions. Greater heights require manufacturer design confirmation. Use the supplied project drawing.