



LAKESIDE FLOOD SOLUTIONS

LAKESIDE NON-ELECTRIC HYDRAULIC AUTOMATIC FLOOD BARRIER



PRODUCT DATA SHEET





LAKESIDE
FLOOD SOLUTIONS

LFS Non-Electric Hydraulic Automatic Flood Barrier

A unique, automatic flood defence system.

Specification:

- Hydrodynamic, Automatic, Self-Closing
- Unattended Operation
- No electrical power required
- Simple maintenance
- Highly durable, 15+ years life span
- 250KN loading test, 40 tons of saloon car crashing test
- ISO Certified, more than 40 patents worldwide

PRODUCT DATA SHEET

Function:

- Composed of a ground bottom frame, a rotatable water defence door leaf and a rubber soft water-stop plate at each side
- In the event of a flood, water flows into the lower part of the water defence door leaf, along the water inlet at the front end of the ground bottom frame. When water reaches the trigger value, the buoyancy pushes the front end of the water defence door leaf up, to achieve automatic water defence with the rising water. **No electricity or manpower required.**
- Once activated, a warning light belt flashes at the front of the leaf to warn vehicles away from the gate
- Prior to a flood event, the barrier can also be opened manually and locked into place

Water activated flood protection



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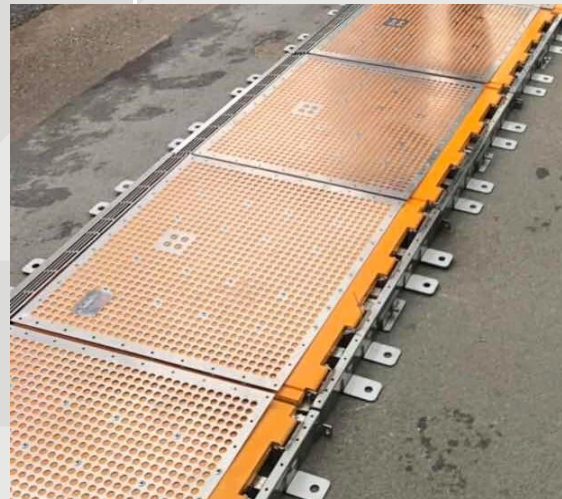


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Two Types – Embedded & Surface Mounted



EMBEDDED INSTALLATION



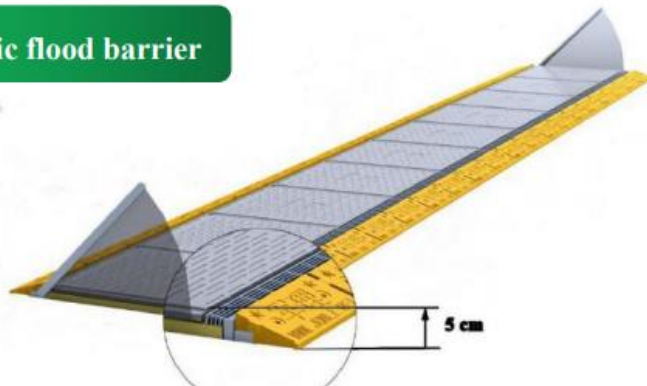
SURFACE MOUNTED INSTALLATION

Embedded installation type automatic flood barrier



With three heights to choose

Surface installation type Automatic flood barrier



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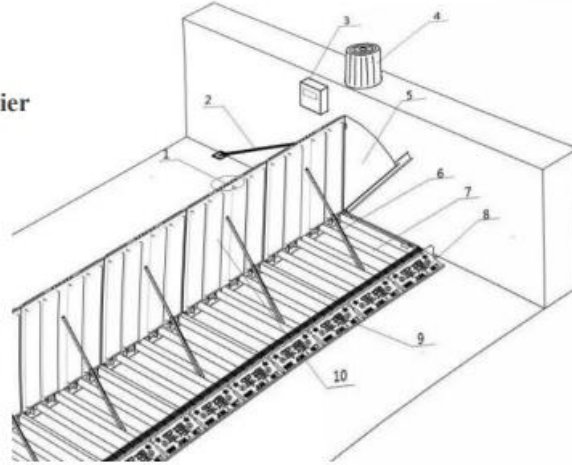


Product Installation

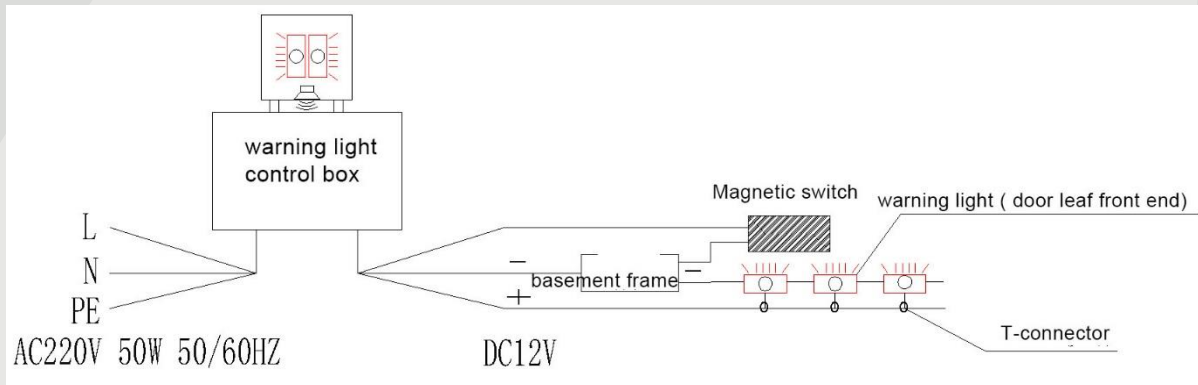
Product Installation

Main structure of the Automatic flood barrier

1. Alarming light ;
2. back support ;
3. control box ;
4. alarming light ;
5. side sealed rubber retaining board ;
6. pull rod ;
7. stainless steel base ;
8. assistant support slope ;
- 9 stainless steel water inlet grille ;
10. floating board



Optional Warning Light Control Box





Example GA Design Drawing – Embedded Installation

