

## DROP-DOWN BARRIERS

When not in use, the drop-down flood barrier is unobtrusively located above the head of the opening, ready to be activated at a moment's notice. Direct drive electric motors smoothly and precisely lower the barrier in to position and firmly lock it in to place to form an efficient, dependable flood defence.

Barriers can be push button operated or fully automatic to operate with rising flood waters. Spans of up to 7m are possible for depths of up to 2.5m, and multiple units can be linked together.

The barriers work on dead level thresholds and require no excavation or civil works to install.

Safety is a key factor in this design and all motors have a 'free-fall' dead-stop braking system built-in as standard. In addition, all systems are installed with a pulley system that overrides the motorised drive and allows the barriers to be manually lowered and raised in safety.

As optional features, the systems can be activated remotely, triggered by water or smoke detection or by security alarm systems. Touch and motion sensors can also be added to the braking system whilst further security is available in the form of audio/visual alarms, warning as the barrier moves.

A 24 volt back-up system ensures that the unit will operate in the event of a mains supply failure.

These flood barriers can be supplied in any RAL colour. Barriers can be mounted behind building façades making them as desirable in prestigious locations (such as hotel lobbies, plazas, shopping centres and head offices) as they are essential in factory entrances and loading bays.

*Automatic or push button triggered overhead barriers - flood depths up to 2.5m and widths up to 7m.*



### USES

- Flood protection to roller shutter door entrances.
- Underground car park / garage flood barrier.
- Chemical containment barrier for factories / storage locations.
- Internal or external mounting available.

### BENEFITS

- Always in position above the opening ready for use.
- No restrictions to openings or access.
- Fully automatic operation available.
- Push-button operation available to put you in control or for daily operation.
- Quick erection of large flood barrier.
- No excavation required to install.
- Flood barrier can be linked to alarm systems.
- Safety systems include visual / audible alarms when operating, dead stops activated by movement sensors.
- Totally vandal resistant as lifted above head height when not in use.
- UPS option to work when mains power is unavailable.

## DESIGN



### SIZES

- Manufactured to exact size of opening up to a maximum of 7m wide.
- 100mm height increments up a maximum of 2.5m.
- Multiple systems can be linked for wide entrances.

### CONFIGURATIONS

- Single barrier system can be recess or surface mounted.
- Can be fitted with stand-offs to clear roller shutters.
- Can be internally or externally mounted.



### INSTALLATION

- Can be mounted directly onto any level watertight surface such as smooth concrete.
- Powder coat finished in any single colour in RAL Classic range.
- Optional hinged covers for side sections and overhead motor.
- Motor drive fitted with an independent 'free fall' stop dead braking system.



### BESPOKE CAD DRAWINGS

