

Automatic Drop-down Systems

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

Safety is a key factor in the 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 & 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 that ensures the unit will operate in the event of a mains supply failure.



Our automatic lifting barriers represent the ultimate in flood protection technology.



Available in red as standard, the systems can be supplied in any RAL colour to blend with existing décor making them as desirable in prestigious locations (such as hotel lobby entrances, plazas, shopping centres and head offices) as they are essential in factory entrances and loading bays.



Standard systems can provide protection for openings up to a maximum width of 6.2 metres and barrier heights of 300, 600 & 900mm, with higher defences available on request. Depending on the overall size, the systems have the capacity to lift above a 5 metre clear opening making them perfect for even the tallest loading bay or entrance.



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Automatic drop-down barriers – the ultimate in flood protection technology....

Designed for APPLICATION

- Can be installed on any flat watertight surface
- Heights 300, 600 & 900mm as standard
- Opening width any size up to 6200mm in a single span
- Multiple systems can be linked with permanent steel supports
- Reveal, Face and 'freestanding' mounting options
- Custom configuration to clear roller shutters etc.
- Lift heights up to 5900mm
- Can be finished in RAL colour to match décor

Designed for CONVENIENCE

- Push button or security key operation
- Multiple systems can be activated from central location
- Can be manually operated in power failures
- Battery back-up systems available
- Sensor trigger options available
- Can be linked to alarm systems.
- Service free motors, drives & bearings

Designed for SAFETY

- Direct drive motors fitted with free-fall dead-stop brakes
- Independent brakes activated by infra-red motion sensors
- Independent brakes activated by 'touch' sensors
- Automatic reversal if obstructed
- Audio visual alarms during operation

Designed for DURABILITY

- Construction grade steel & aluminium components
- Steel fabrications hot-dip galvanised
- Patented seal design stops silt clogging
- All seals made with EPDM for weather and UV resistance
- Seals fixed in preformed channels and easily replaceable
- Suitable for constant daily use

Designed to STANDARDS

- Steel sections manufactured to EN10027
- Fabrications hot-dip galvanised to ISO 1461:1999
- Heat treated aluminium extrusions to BS1474
- Stainless steel sections manufactured to EN10088
- Seals all Ethylene Propylene Diene Monomer (EPDM)
- All fixings Load Rated Hilti™ or Fischer™