



Automatic Bollards



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The PF7276H Automatic Bollard employs a simple yet effective electro hydraulic mechanism ensuring smooth and efficient movement of the bollard. Designed to be a very secure product in preventing un-authorised access, they are often used in conjunction with automatic barriers.

The bollard is installed into the ground and brought level with the road surface. They are controlled by a small control panel which has integrated safety features

PF7276H

The **PF7276H Automatic Bollard** employs a simple yet effective electro-hydraulic mechanism ensuring smooth and efficient movement of the bollard.

A manual override facility ensures the bollard can be lowered in the event of an emergency or power failure. The PF7276H Automatic Bollard is built for performance and has been intensively tested for over 3000 manoeuvres per day.

The bollard is controlled by a CDS dedicated control unit, which is capable of controlling up to 4 bollards simultaneously, and includes a “deceleration feature” at the end of travel when opening and closing.

For added safety the bollard is fitted with an obstacle detection sensor that stops and lowers the bollard if an obstacle is detected. A crown of LED lights is mounted on the top of the cylinder with a built-in acoustic warning signal.

The bollard casing is completely independent from the motor allowing it to be pre-installed prior to ground work completion.

The PF7276H Automatic Bollard can easily be integrated with access control and safety equipment, traffic lights, photo cells and ground loops



O&M Manual



Drawing



Video available on website

Automatic Bollards



"Reinforced steel installation casing, with a hole for lifting hook, suited for assembly of GRIZZLY bollard casings. For use in pre-installation of bollards."

"Hydraulic pump housing on the upper side of the flange for easy maintenance. By removing the flange it is possible to extract the pump by releasing a simple connector, to carry out maintenance quickly and easily."

"New completely independent bollard casing, with the possibility for pre-installation during digging and subsequent installation of the bollard Fig.1"

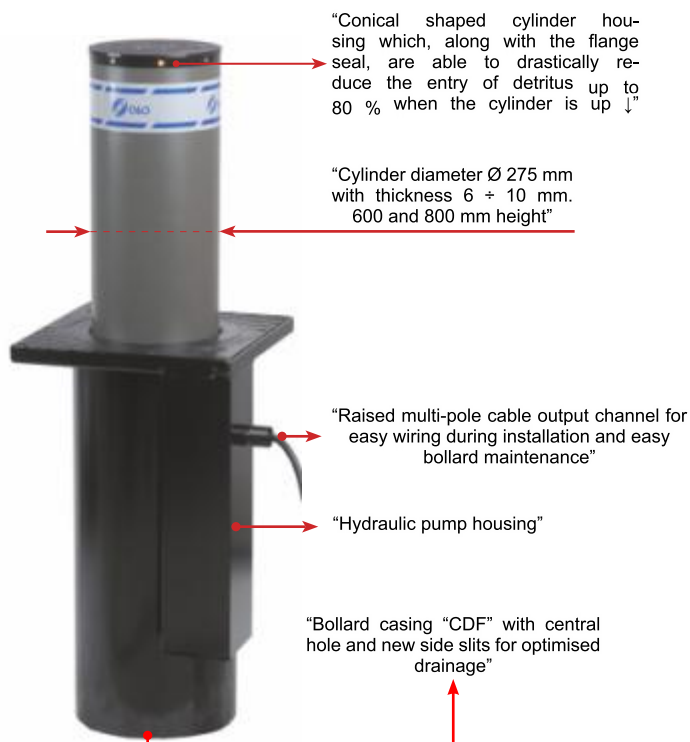
"The new square shaped flange and attractive new design allow the bollard to blend in perfectly with any city or private environment"



"New special flange seal in EPDM rubber with excellent resistance to wear over time, guaranteeing perfect protection against detritus with the cylinder up ↓"

TECHNICAL SPECIFICATION

| Specification | CE Approved (Conforms to BS6571) |
|----------------------|---|
| Maximum Boom Length | 6.0 Meters |
| Opening/Closing time | 5 Seconds (adjustable) |
| Drive Unit | In Built Hydraulic Unit |
| Power Supply | SINGLE Phase 230v, 50Hz, 6 Amps |
| Finish | Cylinder in RAL 7002 |
| Accessories | Loop Detectors/ Traffic Lights |
| IP Rating | IP67 |
| Cycles | 100% Continuous Duty Rating |
| Control Panel | CDS Control Panel |
| Bollard Diameter | 273mm |
| Auxiliary Power | 1.2Amp 24V Supply |
| Dimensions | 914 x 295 x 225 |
| Fixings | Concreted in |
| Settings | Programme Configuration as Standard Adjustable acceleration and deceleration |



"Conical shaped cylinder housing which, along with the flange seal, are able to drastically reduce the entry of detritus up to 80 % when the cylinder is up ↓"

"Cylinder diameter Ø 275 mm with thickness 6 ÷ 10 mm. 600 and 800 mm height"

"Raised multi-pole cable output channel for easy wiring during installation and easy bollard maintenance"

"Hydraulic pump housing"

"Bollard casing "CDF" with central hole and new side slits for optimised drainage"

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"New conical light cap housing axial (4 beams) and radial (8 beams) resinated IP67 LED circuits and built-in acoustic buzzer. Also available without LED-lights and buzzer"



Modular road cabinet with aluminum panel for accessories housing. The lower module is able to house up to 2 control units (4 bollards each)



Magnetic loops



Safety battery



Emergency button



2 channels magnetic loop detector



Alarm kit for DAKOTA

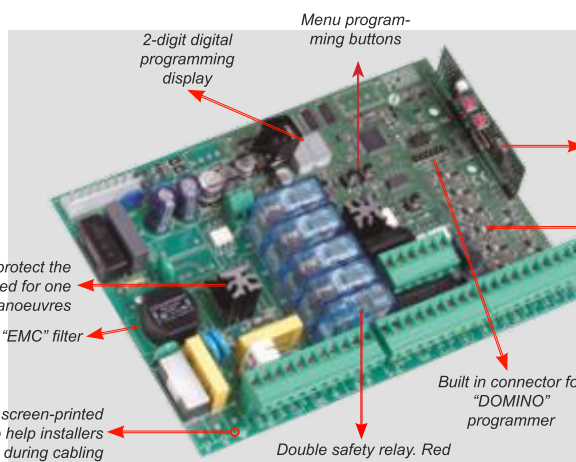
NEW "CDS" CONTROL BOARD:

New control board suitable for all bollards series (except approved bollards version "DK/L").



O&O control unit box with spare fuse holder inside

SIZE:



2-digit digital programming display

Menu programming buttons

Integrated 2048-code 2-channel radio with programming buttons

Input status warning LED

TRIAC to protect the relays, guaranteed for one million manoeuvres

"EMC" filter

Intuitive screen-printed graphics to help installers during cabling

Double safety relay. Red traffic light in the event of a malfunction

Built in connector for "DOMINO" programmer



Electrical heating circuit "TERMON"



Automatic notification of programmed servicing



Conforms to the European EMC Directives concerning electromagnetic compatibility

