

CHANNEL

SAFETY SYSTEMS

Door Controls



Fire accessories
from Channel Safety Systems



Door Controls

Fire accessories

In order to meet the requirements of The Disability Discrimination Act and the revision to The Building Regulations, Part M:2004 it is necessary to consider carefully the use of conventional door closers on entrance doors and other circulation doors within a building.

Door Retainers provide a simple answer by keeping the doors open until a fire alarm (or other signal) causes the doors to close.

These products from Channel Safety allow many options of holding forces and mounting configurations to suit all types of doors found in commercial, educational and health care premises.



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Scan the code for more information on the Door Controls range

www.channelsafety.co.uk/door-controls/



Electromagnetic Door Closer

The Briton 996 Electromagnetic Door Closer has an integrated electromagnetic hold open; when connected to the building fire alarm or detection system each unit can be set to either hold-open or swing-free operation. In either case the power of the closer can be temporarily disabled to allow free passage.

When de-activated the electromagnet disengages and the door closer closes the door in the normal manner to maintain fire safety.

The Briton 996 is ideal for use in areas where a conventional door closer could be inconvenient or hinder access. The use of electromagnetic 'hold-open' and 'swing-free' door control devices is specifically recommended in Approved Document M of the Building Regulations 2004.

Features

- Designed & Fully Compliant to EN1154 & EN1155
- Fire tested EN1634
- CE Marked & Certifire Approved

SPECIFICATIONS

Operating Voltage	24V DC 90mA nominal
Angle of opening/controlled closing	110°
Adjustable closing speed	Yes
Adjustable latch action	Yes
Delayed action	No
Adjustable backcheck	Yes
Electromagnetic hold open	Yes
Maximum door weight	60kg
Maximum door width	950mm
Weight	3.0kg



Image above shows F/CHDC



Product Dimensions

Length - 305mm
Height - 57mm
Projection - 92mm

PRODUCT CODE	DESCRIPTION
F/CHDC	Briton 996 door closer

Wall Mounted Door Retainers

With a flame retardant, low profile ABS plastic body, Installation is made simple, with knockouts provided for entry of surface mount conduit, there is ample room to connect external wiring to the 4.0mm terminals.

Each door retainer is fitted with a spring loaded release pin mounted centrally within the electromagnet. On power off, the release pin then ensures that the fire door is pushed away from the electromagnet.

Features

- Flame retardant, low profile ABS plastic body
- All door retainers are designed to comply to the latest requirements of EN 61000-3-2, EN 50081-1, EN 60950 and EN 1155.

SPECIFICATIONS

Supply Voltage and Tolerance	F/CHDR/24 - 24Vdc \pm 10% F/CHDR/240 - 230Vac \pm 10%
Current Consumption	F/CHDR/24 - 50mA F/CHDR/240 - 12mA
Rated Holding Force	200N (20.4kg)
Maximum Holding Force	250N (25.5kg)
Release Switch	Yes
IP Rating	IP51
Keeper Adjustment	\pm 30°
Material	ABS
Door Closer, Power Size	3 - 6
Weight	400g

Product Dimensions **Knockout Dimensions**
 Height - 95mm Ø 20mm
 Width - 87mm
 Depth - 46mm

PRODUCT CODE	DESCRIPTION
F/CHDR/24	24V magnetic door release
F/CHDR/240	240V magnetic door release

Door Retainer Accessories

The following accessories are available to use with the Wall Mounted Door Retainers.

F/CHDR/BK

This bracket enables the Wall Mounted Door Retainers to be converted to a floor mounted door retainer.

F/CHDR/CHAIN

This metal keeper plate comes attached to a 1m chain which can be shortened as necessary to fill the gap between a door and the wall.

This is ideal for use with doors that do not close directly onto a wall.

A wall mounted door retainer would be mounted to the door as normal and the chain would be fastened to the door with the keeper plate. This would allow the door to be held open. This solution can be used with all door retainers.

PRODUCT CODE	DESCRIPTION
F/CHDR/BK	Floor Mounting Bracket
F/CHDR/CHAIN	1m chain for magnetic door release plates

Image above shows from left to right F/CHDR/BK & F/CHDR/CHAIN

'Don't be afraid of fire'

Channel Safety Systems offers a complete Design, Supply & Commissioning service, to find out more contact our Technical Services Division on 0845 884 7000



Acoustic Door Holder

The acoustic door holder provides a simple, quick fit solution to safely hold open fire doors using new intelligent software designed to eliminate false releases.

It looks like a traditional door holding magnet, mounted on the wall behind the door, out of sight and of harms way.

This holder is battery powered and needs no wiring, being triggered by the sound of the fire alarm.

Features

- Comes complete with batteries
- Digital, acoustically triggered, battery powered, wireless magnetic door holder
- Mounts behind door avoiding accidental damage - no wiring required
- Battery life indication and low battery warning
- Can be set to automatically release daily at set times
- CE marked under the CPD - Holding force 200N

SPECIFICATIONS	
Power	2x Alkaline C Cells (12 months life)
Default release volume	70dB
Holding force	200N
Default Release Volume	65 dB
Weight	0.8Kg



Product Dimensions

Height - 68mm
Width - 102mm
Diameter - 118mm

PRODUCT CODE	DESCRIPTION
F/CHDR/AUDIO	Acoustic wireless door holder

Power Supply Units

The power supply units available have been specifically designed for fire and access control applications that require remote control of the power supply output.

A typical example would be to power door retainers, with a link to the fire panel in order to switch off the output to the doors in the event of a fire alarm activation. This range is not suitable for use with batteries.

Opening of a normally closed volt-free contact / Closing of a normally open volt-free contact / Application of an external 24V DC supply such as a sounder circuit

Features

- 27V DC nominal output
- Remote control of output
- Choice of switching options: Closing of Normally Open Contact/ Application of an external 24V dc supply
- LED Indication: Mains Status/Output Fuse Failure
- Mains Transient Protection
- Fail safe operation

SPECIFICATIONS	
Supply	235V AC nominal
Maximum Output Current	F/CHDR/PSU/2 - 2A F/CHDR/PSU/4 - 4A



Image above shows F/CHDR/PSU/2

Product Dimensions

Height - 200mm
Width - 230mm
Diameter - 80mm

PRODUCT CODE	DESCRIPTION
F/CHDR/PSU/2	PSU 24V 2A in enclosure
F/CHDR/PSU/4	PSU 24V 4A