Briton 996 Electromagnetic Door Controls

The Briton 996 Series 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.

Briton 996 Series Features

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.

The Briton 996 Series is a range of fixed power closers with an integrated electromagnetic hold open mechanism. 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.

Designed and fully compliant with EN 1154 and EN 1155 for electrically controlled closing devices (for further details see page 4)

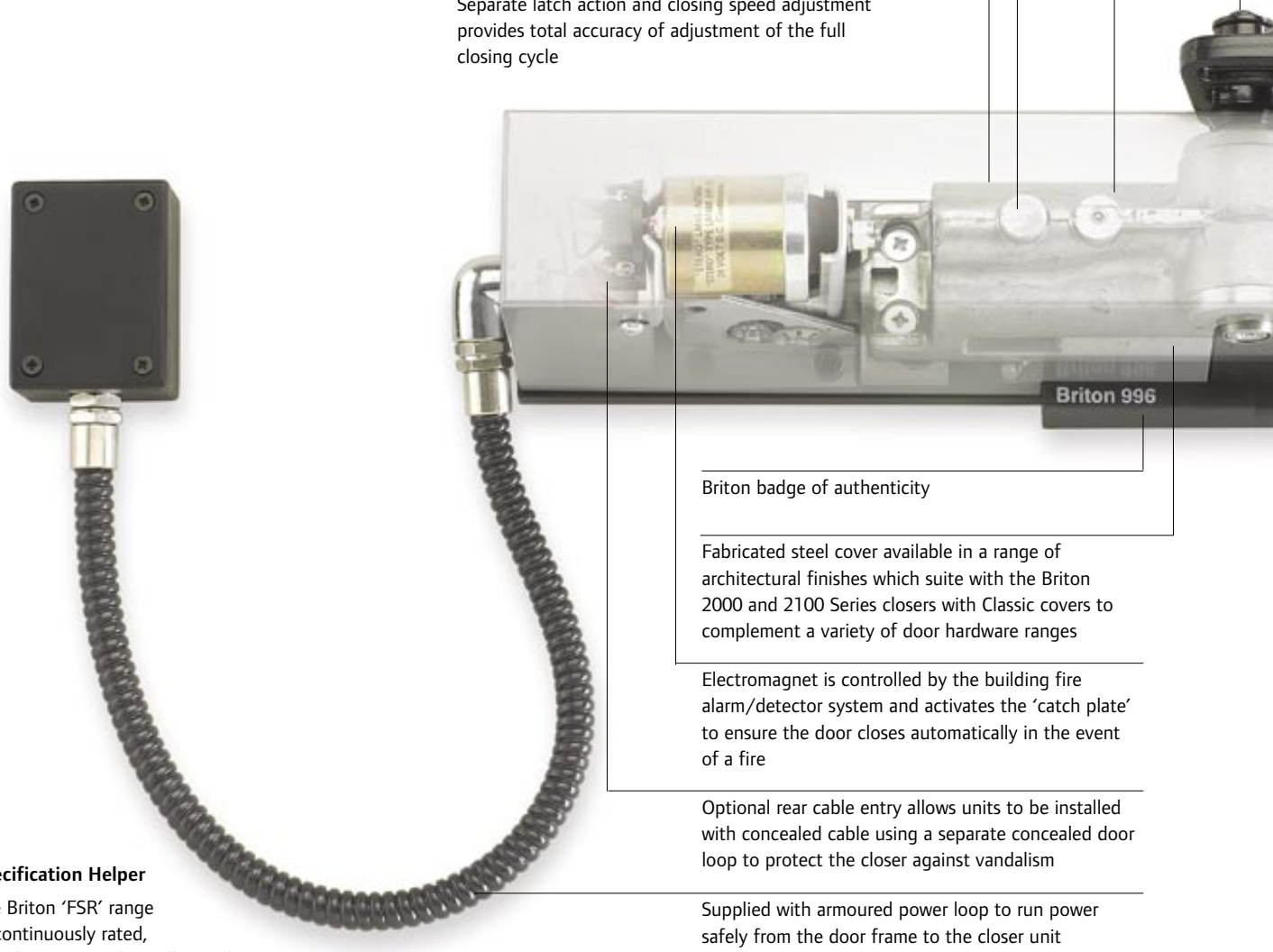
Unit is supplied with armset and bracket for Fig.1 or Fig.61 and is self handed to reduce the number of stockholding units required. For Fig.66 please specify when ordering

'Catch plate' can be set to operate in hold open or swing free operation during installation to suit individual doorset requirements within a building

Pressure die cast aluminium body

Steel rack and pinion mechanism is heat treated for strength and durability

Separate latch action and closing speed adjustment provides total accuracy of adjustment of the full closing cycle



Briton badge of authenticity

Fabricated steel cover available in a range of architectural finishes which suite with the Briton 2000 and 2100 Series closers with Classic covers to complement a variety of door hardware ranges

Electromagnet is controlled by the building fire alarm/detector system and activates the 'catch plate' to ensure the door closes automatically in the event of a fire

Optional rear cable entry allows units to be installed with concealed cable using a separate concealed door loop to protect the closer against vandalism

Supplied with armoured power loop to run power safely from the door frame to the closer unit

Specification Helper

The Briton 'FSR' range of continuously rated, boxed power supplies will provide transformation/ rectification of the mains supply for use with the Briton 996 Series.

It is suggested that all electromagnetic hold open door closers be fitted with a release button close to the door frame so that the door can be released without having to manually pull the door away from the hold open mechanism.

Angle of hold open

Angle of hold open is adjustable from approximately 85° to 95°, and from 103° to 110° when fitted on the standard pull side of the door, from 85° to 95° when fitted to the transom, and from 65° to 85° and 90° to 105° when fitted on the push side of the door.

Briton 996 Series

CF109

10 YEAR GUARANTEE
mechanical

2 YEAR GUARANTEE
electrical

When the Briton 996 is transom mounted (Fig.61 below) the external loop is not required, as the power supply can be linked directly to the unit through the frame. This not only creates a more visually appealing arrangement but by eliminating the surface loop reduces the risk of damage to the unit from vandalism.

Each of the door controls in the Briton 996 Series is a fixed power size and is designed for mounting either to the pull side of the door in Fig.1 applications, or to the push side of the door in Fig.61 or Fig.66 applications (as illustrated below). In each case the size of closer specified should be carefully selected to suit the dimensions and weight of the door concerned (see chart on page 14).

Power requirements

For the operation of the closer the power requirements are 24V DC, 90mA nominal. Transformers and relay interfaced to the fire alarm system can also be supplied to link the electricity supply and the fire alarm system (see chart below).

FSR Transformer/Rectifier

For use with fire/smoke check electromagnetic door control units where 24V DC is not available for the continuous rating required. A socket is provided to accept a plug-in relay.

Product ref:	max. no of units
FSR4B	3
FSR20B	15
FSR50B	38
Output - full wave rectified & unsmoothed (100% ripple)	
FSR4C	4
FSR10C	10
FSR22C	22
Output - full wave rectified & fully smoothed	

Briton 996 Series Selector

Product Selector

product features		product references					
closer size	max. door size width - weight	9963/01	9963/66	9964/01	9964/66	9965/01	9965/66
1	750mm - 20kg						
2	850mm - 40kg						
3	950mm - 60kg	●	●				
4	1100mm - 80kg			●	●		
5	1250mm - 100kg					●	●
6	1400mm - 120kg						
main features		**9963/01**	**9963/66**	**9964/01**	**9964/66**	**9965/01**	**9965/66**
CE marked		●	●	●	●	●	●
Mounting options		fig.1 & 61	fig.66	fig.1 & 61	fig.66	fig.1 & 61	fig.66
Angle of opening/controlled closing		110°	110°	110°	110°	110°	110°
Separate latch action/closing speed		●	●	●	●	●	●
Adjustable backcheck		●	●	●	●	●	●
In-built temperature compensation		●	●	●	●	●	●
Electromagnetic hold-open		●	●	●	●	●	●
Electromagnetic swing-free		●	●	●	●	●	●
Hold-open angle adjustment (closers mounted in fig.1 and fig.66 applications have alternative hold open positions)		fig.1 & fig.61 85° - 95° fig.1 103° - 110°	fig.66 65° - 85° 90° - 105°	fig.1 & fig.61 85° - 95° fig.1 103° - 110°	fig.66 65° - 85° 90° - 105°	fig.1 & fig.61 85° - 95° fig.1 103° - 110°	fig.66 65° - 85° 90° - 105°
Non handed, for LH or RH applications		●	●	●	●	●	●

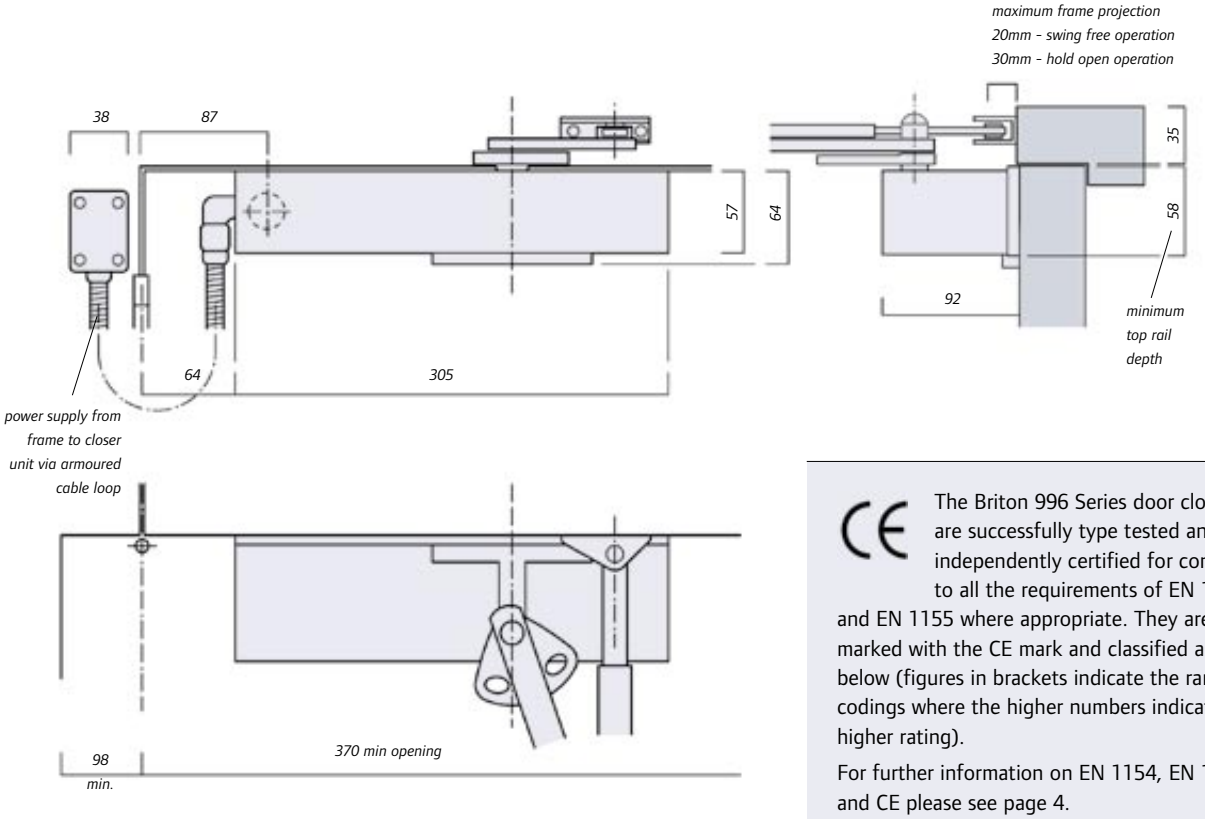


Fig.1 Application

CE The Briton 996 Series door closers are successfully type tested and independently certified for conformity to all the requirements of EN 1154 and EN 1155 where appropriate. They are marked with the CE mark and classified as shown below (figures in brackets indicate the range of codings where the higher numbers indicate a higher rating).

For further information on EN 1154, EN 1155 and CE please see page 4.

	EN 1155 classifications range shown in brackets					
	(3)	(5-8)	(3-7)	(1)	(1)	(0/4)
Briton 9963	3	8	3	1	1	3
Briton 9964	3	8	4	1	1	3
Briton 9965	3	8	5	1	1	3