



# Halspan® 9000 Power Door Closers

## Fire Rated Power Door Closers

The Halspan 9000 Range Eco-closers are a highly efficient, durable and stylish variable power overhead door closer. Suitable for most applications particularly those with public use.



### Fire

<b>Tested in Accordance with:</b>	EN 1634: Part 1:2008 BS 476: Part 22:1987 BS EN 1154: 1996 classification
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### Product Codes & Specification

#### Product Code

- 30 Power Closer: **CLR-BSS-100**
- 60 Power Closer: **CLR-BSS-101**
- 90 Power Closer: **CLR-BSS-102**
- 120 Power Closer: **CLR-BSS-103**

#### Specification

- Type: Overhead door closer
- Size: Power adjustable by spring EN2-5
- Mechanism: Rack and pinion
- Closing Speed: Yes-adjustable
- Latch Action: Yes-adjustable
- Delayed Action: Yes-adjustable
- Back Check: Yes-adjustable
- Max Door Width: 1250mm
- Max Door Weight: 100kg
- Opening Angle: 180°
- DOA BS 8300: Minimum door width 830mm in parallel arm (DDA Test Report No 155717)
- Application: LH and RH doors - universal application

<b>Classification Number*</b>	4	8	5 2	1	1	3
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\*For Classification details refer to guidance notes available to download at [www.halspan.com](http://www.halspan.com), under Hardware.

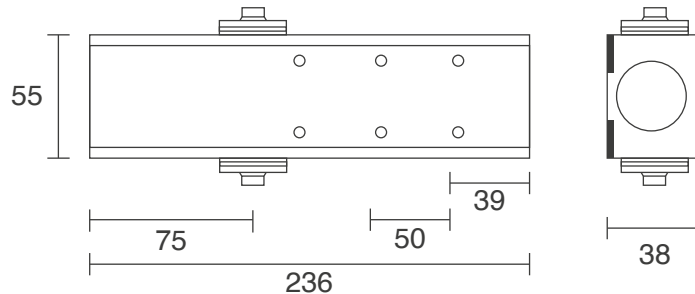


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## Design Guide



All dimensions are in mm.  
Cover not shown



## General Maintenance & Operational Notes

Halspan door closers are highly developed, precision made, factory tested machines designed to meet the latest product performance standards. Once correctly installed, the unit should require no further maintenance, or adjustment, unless other factors change.

To ensure that the unit is operating safely, the door set should be checked every 3 months with the points below being observed.

### CHECK 1

A door closer is designed to close a door safely and securely into the frame after it has been opened manually.

Open the door and make sure it opens and closes freely and that the closing speed is acceptable (normally between 3 and 5 seconds from 90° open. If it is closing too quickly or slowly, please refer to the fitting instructions for closing speed adjustment.

If the door is not closing properly check for obstructions on the floor, round the frame including seals, and that the hinges are properly installed and undamaged. If a latch is fitted, but not being overcome by the door closer, make sure that the strike plate is in correct alignment and that the door can be closed without the latch being withdrawn by the handle.

If wind or air pressure is holding the door open, the closer power may need increasing or local conditions may require attention. Make sure all the closer fixing screws and fittings are secure and tightened.

### CHECK 2

If the door is a fire door, the closer must meet all of the relevant requirements of EN1154 and can only be held open with special devices which meet the requirements of EN1155 (door retaining magnets connected to the fire alarm system or similar devices). **THE DOOR MUST NOT BE HELD OPEN BY ANY OTHER MEANS.**

### CHECK 3

Special functions. Many Halspan door controls have additional special functions such as adjustable backcheck and delayed action. Backcheck will help to cushion the opening cycle of the door if it is opened too vigorously or if the wind catches it. If the door is susceptible to this, and there is scope for damage to the door or adjacent features, please ensure that the backcheck is correctly adjusted according to the installation instructions.

Delayed action gives the closer a slower closing speed when the door is opened to beyond 90° allowing slow moving traffic to pass through the door, once opened, without needing to hold the door open. For this function to be effective the door must be able to be opened to beyond 90°.

### ABUSE OF DOOR CLOSER

A door closer can be abused by incorrect installation and/or use. If the wrong closer is used on the wrong door it may not function correctly and result in damage to the mechanism and the door and surround.

If the closer is fitted in any of the following conditions, abuse may occur:

- strong wind or air pressure changes
- very high or low temperature conditions (above 40°C and below -15°C)
- areas where the mechanism or any component may be subject to inappropriate force or damage
- any other use for which the product is not designed or intended

If a door closer is damaged, it may result in further damage to the door and surround and be dangerous for those using it. It is essential for the closer to be replaced as soon as possible. If the closer is fitted to a fire door the whole building or area may be deemed to be unsafe until it is replaced.

Under no circumstances should you attempt to open the mechanism of the door closer. There is a powerful spring under tension inside the unit which could cause injury if the mechanism is opened.

