

C24V CONCEALED CAM

Variable power 2-4 Concealed Cam action door closer – The ultimate solution for applications requiring concealed door controls.

- > **Specification:** Concealed Body; Cam Action Closer, CE Approval in Slide Arm, Variable Power 2 to 4 in accordance with EN1154; Single Action; Non-Handed; Adjustable Latching & Speed as standard
- > **Installation:** Concealed in the door – Suitable for doors up to 1100mm wide
- > **Fire Tested:** 60 Minutes
- > **Ease of Access:** Incorporating Ease of Access opening technology to assist in meeting door opening and Equality Act 2010 requirements and the maximum forces prescribed by Building Regulations Document M
- > **Material:** Extruded Aluminium and Steel
- > **Standards:** BS EN 1154 (Mechanical), BS EN 1634 (Fire Test), BS 8300 (Ease of Access)
- > **Finish:** Silver as standard or available in a range of other metallic or specialist finishes to match décor.



Power Sizes	
CE Power Size	Door Weight/Width
2	40kg/850mm
3	60kg/950mm
4	80kg/1100mm

Body Dimensions (mm)		
Length	Height	Depth
242	48	32

> **Body Weight:** 1.75 kg



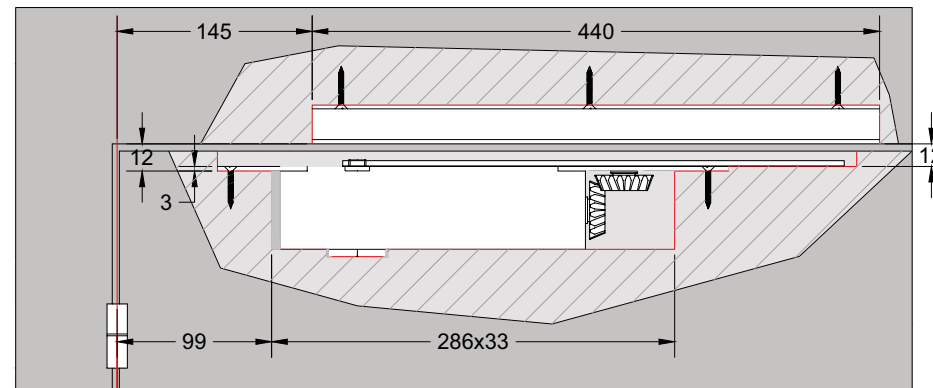
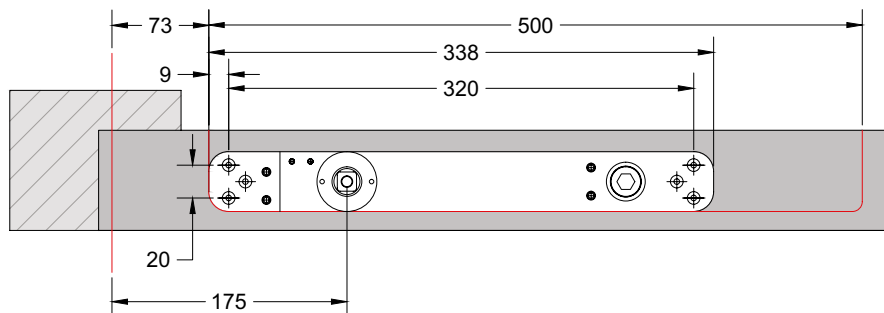
- Tel: +44 (0) 1789 762575
- Fax: +44 (0) 1789 762673
- Email: info@freemanandpardoe.com
- Web: freemanandpardoe.com

C24V CONCEALED CAM

TECHNICAL DRAWINGS

Detailed drawing showing Door Cut Dimensions (Face View)

Diagram shows left hand door fitting.



MEETING THE REQUIREMENTS FOR EASE OF ACCESS

The following table shows the efficiency of the C24V Concealed Cam along with its ability to meet the requirements detailed in BS 8300 and Approved Document M (ADM) at varying door widths.

Power Setting	Efficiency	Meets requirements of ADM at these door widths:			
		800mm	850mm	900mm	950mm
3	78%	Yes	Yes	Yes	Yes

Minimum achievable door width 781mm

These results for minimum door widths were obtained via third party testing and meet the requirements of BS 8300 and ADM, however external factors such as hinges, seals, air pressure and variable fitting standards and positions may increase opening forces. Where these factors are out of the control of the Specifier, BS 8300 recommends: either the inclusion of an Electromagnetic Door Holder in conjunction with a Standard Door Closer; or alternatively to specify an Electromagnetic Hold Open or Swing Free Door Closer.

ELECTRO-MAGNETIC DOOR HOLDERS

These units can be used in conjunction with a Standard Door Closer to hold a door open to aid Ease of Access throughout a building but since they are also linked directly to the Fire Detection system, as soon as the fire alarm sounds, all doors fitted with Electromagnetic devices are closed to prevent the spread of fire and smoke.

Power Range Suitability 3-7 in accordance with BS EN 1154

> **Standards:**
 BSEN 1155 (Electrical)
 BSEN 1634 (Fire Test)
 BS8300 (Ease of Access)

For the full specification and more information regarding the use of an Electromagnetic Door Holder, please visit our website.

