

# Declaration of Performance



**DoP number:**

TDDC013

**1. Unique identification code of the product-type:**

Daedalus DR-160 size 3 door closer

**2. Type, batch or serial number or any other element allowing identification of the product:**

Daedalus DR-160 size 3 door closer

**3. Intended use:**

For use on fire and smoke compartmentation doors, when fitted in accordance with the manufacturer's fitting instructions.

**4. Manufacturer:**

Daedalus

Taiwan Daedalus Door Control Co., Ltd.

No.94, Section 1, Hsing Lo Road, Tien Chung, Chang Hua, TAIWAN. Postcodes 52046

**5. System or systems of assessment and verification of constancy of performance of the construction products as set out in CPR, Annex V:**

System 1

**6. The declaration of performance concerning a construction product covered by a harmonised standard:**

EN1154:1996/A1:2002/AC:2006 notified product certification body No. 2812 EN1154 performed the determination of the product type on the basis of type testing (including sampling); initial inspection of the manufacturing plant and of the factory production control and continuous surveillance; assessment and evaluation of factory production control; and issued the certificate of constancy of performance of the product.

## 7. Declared performance

Essential characteristic self closing	Performance	Harmonised technical specification
5.2.1 General		EN1154:1996/A1:2002/AC:2006
Application (overhead door closer)	Concealed door application	
5.2.2 Durability	500,000 test cycles	
5.2.3 Closing moment	Pass size 3	
5.2.4 Opening moment	Pass size 3	
5.2.5. Efficiency	More than 55% size 3	
5.2.6 Closing time	Pass - After 5K and 500K test cycles, the closing time from an opening angle of 90° was capable of adjustment to 3 s or less, and 20 s or more. - After 500K test cycles , the closing time set at 5K test cycles did not increase by more than 100%, or decrease by more than 30%.	
5.2.7 Angles of operation	Grade 3, 105°	
5.2.8 Overload performance	Pass - The closer withstood the closing overload tests	
5.2.9 Temperature dependence	-15° C to +40° C	
5.2.10 Fluid leakage	Pass - There were no leakage of fluid from the closer	
5.2.11 Damage	Pass - There were no damage to the door closing device that would adversely affect its performance to the standard.	
5.2.12 Latch control	Pass - Effective over max. range of 15° from closed position, and adjustable.	

5.2.13 Backcheck	N/A	
5.2.14 Delayed closing	N/A	
5.2.15 Adjustable closing force	N/A	
5.2.16 Zero position (Double action only)	N/A	
5.2.18 Fire/ smoke doors	PASS	

Essential characteristic Durability of Self Closing	Performance	Harmonised technical specification
5.2.2 Durability	500,000 test cycles	
5.2.17.1 Corrosion	Grade 3: 96 hrs	
5.2.17.2 Corrosion	Pass - After the salt spray test, the closing moment of the door closer was not less than 80% of that measured prior to the test.	
<b>Dangerous Substances Annex ZA3</b>	The materials in the products do not contain or release and dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.	

8. The performance of the product identified in point 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by




Ms Ina Ho

Sales Manager

Date of issue: 04/01/2017

Taiwan Daedalus Door Control Co., Ltd.

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