



### **CERTIFICATE OF APPROVAL** No CF 5023

This is to certify that, in accordance with **TS00** General Requirements for Certification of Fire Protection Products The undermentioned products of

### **BOSS DOOR CONTROLS**

4 Rutherford Square, Brucefield Industry Park, Livingston, West Lothian, EH54 9BU Tel: 01506 467477 Fax: 01506 467478

Have been assessed against the requirements of the Technical Schedule(s) denoted below and are approved for use subject to the conditions appended hereto:

CERTIFIED PRODUCT **TS7.004 Overhead Door Closer** 

### **TECHNICAL SCHEDULE TS34 - The Contribution of Controlled Door Closing Devices and Accessories to Fire Resisting Doorsets**

Signed and sealed for and on behalf of Exova (UK) Limited trading as Warrington Certification

Paul Duggan **Certification Manager** 



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3<sup>rd</sup> November 2011 Revised: 19<sup>th</sup> December 2017 Next audit test due: 24<sup>th</sup> July 2018 Annually 23<sup>rd</sup> July 2022







#### **BOSS DOOR CLOSER – TS7.004**

1. This approval applies to the Boss Door Controls TS7.004 overhead mounted door closing device, which is an electrically powered hold open and free swing fixed power closer with adjustable latch action, but excludes any mechanical hold open variants. The approval applies to the following configurations:

	TS7.004
Link-arms	
Projecting arm (Fig. 1) <i>Body door</i> mounted on pull face	~
Projecting arm (Fig. 61) <i>Body transom</i> mounted on push face	×
Parallel arm (Fig. 6) <i>Body door</i> mounted on push face	~
Slide arms	
Body door mounted on pull face	×
Body transom mounted on push face	×
Body door mounted on push face	×
Body transom mounted on pull face	×

Key: 

Approved
Not approved

Note: Where alternative arms for non-fire applications are included within the packaging, the use of these components on fire resisting door assemblies will invalidate the certification.

2. This approval relates to its use with the following door assemblies: -

Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance up to 120 minutes (CERTIFIRE Code ITT).

Latched and unlatched, door assemblies consisting of metal faced and edged leaves in metal frames, <u>fully-insulated</u> for the required classification period, with or without intumescent sealing, and having a fire resistance up to 240 minutes (Codes MM & IMM)

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#### **BOSS DOOR CLOSER – TS7.004**

- 3. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), the Technical Handbooks (Scotland) and Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.
- 4. The closer is approved on the basis of:
  - i) Initial type testing to EN1155 and BS EN 1634-1.
  - ii) An appraisal against TS34
  - iii) Inspection of quality management system
  - iv) Inspection and surveillance of factory production control
  - v) Ongoing audit testing in accordance with EN 1155 requirements
- 5. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
- 6. Where the closers are fitted to door leaves or frames that are manufactured from mineral composite-based materials, or low-density cellulosic- based material, the door assembly shall have previously been shown capable of accommodating the installation of closers at the head of the doorset, without detriment to the door assembly's performance.
- 7. This approval is applicable only to the specified closers when mounted in the applications stated above and under the classification codes section of this certificate and used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: Part 22: 1987) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1155).
- 8. The approval relates to ongoing production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

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#### **BOSS DOOR CLOSER – TS7.004**

9. The following table shows acceptable doorsets types and fire resistance periods:

	Approved Door Type					
	IMM	ММ	ITT	ITM	ITC	
FD20	√*	√*	$\checkmark$	×	×	
FD30	√*	√*	$\checkmark$	×	×	
FD60	√*	√*	$\checkmark$	×	×	
FD90	√*	√*	$\checkmark$	×	×	
FD120	√*	√*	$\checkmark$	×	×	
FD240	√*	√*	×	×	×	
E 20	√*	√*	$\checkmark$	×	×	
EI 20	√*	√*	$\checkmark$	×	×	
E 30	√*	√*	$\checkmark$	×	×	
EI 30	√*	√*	$\checkmark$	×	×	
E 60	√*	√*	$\checkmark$	×	×	
EI 60	√*	√*	$\checkmark$	×	×	
E 90	√*	√*	$\checkmark$	×	×	
EI 90	√*	√*	$\checkmark$	×	×	
E 120	√*	√*	$\checkmark$	×	×	
EI 120	√*	√*	$\checkmark$	×	×	
E 240	√*	√*	×	×	×	
EI 240	√*	✓*	×	×	×	

#### Key:

approved

Not approved

Fully-insulated steel-based doorsets only.

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#### **BOSS DOOR CLOSER – TS7.004**

10. Doors are classified as the following types:

**Type MM** - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that do not contain intumescent materials in the frame to leaf gap.

**Type IMM -** 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that contain intumescent materials in the frame to leaf gap.

**Type ITT -** 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in timber frames

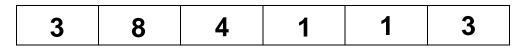
**Type ITM -** 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in metal frames.

**Type ITC** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

#### **Classification code**

The approval provides the following classification:

TS7.004 – Projecting Arm (Figure 1) and parallel arm (Figure 6) applications only with adjustable latch action



#### Scope of Approval:

- Doors may not include uninsulated glass above 20% of their total area.
- All closer models are only approved in the fitting applications detailed with their classification codes.
- The closer may not be fitted to timber doorsets without intumescent protection.
- Closers are only approved for use on steel-based doorsets that are fully-insulated for the required classification period.

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#### **BOSS DOOR CLOSER – TS7.004**

#### **Further Information**

Further information regarding the details contained in this data sheet may be obtained from Boss Door Controls (Tel: 01506 467477).

Further information regarding the CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).

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