



CERTIFICATE OF APPROVAL

No CF 6103

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

ERA Home Security Ltd T/A Zoo Hardware Ltd

**Unit B, Dukes Drive, Kingmoor North Business Park,
Carlisle, Cumbria, CA6 4SH, United Kingdom**

Tel: 01228 672900 Fax: 01228 672928

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

**Zoo Hardware ZDC003,
ZDC0024A & ZDC0024S Surface
Mounted Overhead Door Closers**

TECHNICAL SCHEDULE

**TS 34 - The Contribution Of
Controlled Door Closing
Devices And Accessories To
Fire Resisting Doorsets**

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

**Paul Duggan
Certification Manager**



Issued: 13th October 2022
Revised: 12th April 2023
Valid to: 12th October 2027



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1. This approval relates to the following overhead mounted door closing devices and configurations:

	TABLE 1						
	Link-arms			Slide arms			
	Projecting arm (Fig. 1) Body door mounted on pull face	Projecting arm (Fig. 61) Body transom mounted on push face	Parallel arm (Fig. 6) Body door mounted on push face	Body door mounted on pull face	Body transom mounted on push face	Body door mounted on push face	Body transom mounted on pull face
ZDC003	✓	✓	✓	✗	✗	✗	✗
ZDC0024A	✓	✓	✓	✗	✗	✗	✗
ZDC0024S	✓	✓	✓	✗	✗	✗	✗

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 certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
3. This approval relates to their 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 of up to 120 minutes (Code ITT).

4. The closers are approved on the basis of:
- i) Initial type testing to BS EN 1154 and BS EN 1634-1
 - ii) An appraisal against TS34
 - iii) Certification of quality management system.
 - iv) Inspection and surveillance of factory production control
 - v) On-going audit testing in accordance with EN 1154 requirements

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5. This approval is applicable only to the specified closers when mounted in the applications stated later 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 1154).
6. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
7. Where the closers are fitted to door leaves or frames that are manufactured from mineral-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.
8. ITT30 and ITT60 Timber based doorset shall be installed in accordance with BS 8214.
9. The approval relates to on-going production. The product and/or its immediate packaging are 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.
10. All door hardware is subject to the acceptance by the chosen door assembly supplier's tested, assessed or certificated scope, which generally identifies the types of hardware approved; and the required specification/design based on the key materials/ maximum size and the application of any additional intumescent protection.

On this basis approval should be sought from the specific door assembly supplier to ensure compliance based on this assessed/certificated scope.

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11. The following table show acceptable doorset types and fire resistance periods:

TABLE 2				
	Approved Door Type			
Class	IMM	MM	ITT	ITM
FD20	x	x	✓	x
FD30	x	x	✓	x
FD60	x	x	✓	x
FD90	x	x	✓	x
FD120	x	x	✓	x
FD240	x	x	x	x
E 20	x	x	✓	x
EI 20	x	x	✓	x
E 30	x	x	✓	x
EI 30	x	x	✓	x
E 60	x	x	✓	x
EI 60	x	x	✓	x
E 90	x	x	✓	x
EI 90	x	x	✓	x
E 120	x	x	✓	x
EI 120	x	x	✓	x
E 240	x	x	x	x
EI 240	x	x	x	x

Key:

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- x - Not approved

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12. Doors are classified as the following types:

Code ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in timber-based frames.

Code ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in steel frames.

Code MM - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.

Code IMM - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames with intumescent seals

Scope of Approval:

- Doors may not include uninsulated glass above 20% of their total area. Uninsulated glass shall not be included directly beneath the door closer body
- The closers may not be fitted to timber doorsets without perimeter intumescent fire seals to the frame rebate or door edge.
- Mechanical Hold open option is not approved
- The following functions are supported by this certification:

Table 3

Closer Ref.	Application	Latch Control	Backcheck	Delayed-Action
ZDC003	Projecting arm (Fig. 1) Body door mounted on pull face	No	No	No
ZDC003	Projecting arm (Fig. 61) Body transom mounted on push face	No	No	No
ZDC003	Parallel arm (Fig. 6) Body door mounted on push face	Yes	No	No
ZDC0024A	Projecting arm (Fig. 1) Body door mounted on pull face	Yes	Yes	No
ZDC0024A	Projecting arm (Fig. 61) Body transom mounted on push face (no head projection)	Yes	Yes	No
ZDC0024A	Projecting arm (Fig. 61) Body transom mounted on push face (50 mm head projection)	No	Yes	No
ZDC0024A	Parallel arm (Fig. 6) Body door mounted on push face	Yes	Yes	No
ZDC0024S	Projecting arm (Fig. 1) Body door mounted on pull face	Yes	No	No
ZDC0024S	Projecting arm (Fig. 61) Body transom mounted on push face (no head projection)	Yes	No	No
ZDC0024S	Parallel arm (Fig. 6) Body door mounted on push face	No	No	No

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Classification codes (EN1154):

ZDC003 all mounting configurations:

3	8	3	1	1	3
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ZDC0024A Projecting arm Fig. 1:

4	8	4 2	1	1	3
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ZDC0024A Projecting arm transom mounted Fig. 61 (with and without projection):

3	8	4 2	1	1	3
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ZDC0024A Parallel arm Fig. 6:

3	8	3	1	1	3
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ZDC0024S Projecting arm Fig. 1:

3	8	4 2	1	1	3
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ZDC0024S Projecting arm transom mounted Fig. 61 (without projection):

3	8	4 2	1	1	3
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ZDC0024S Parallel arm Fig. 6:

3	8	4 2	1	1	3
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Note: power ratings shall be appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).

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Further Information

Further information regarding the details contained in this certificate may be obtained from Zoo Hardware Ltd (Tel: 01228 672900).

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

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