



GVEV.R26997 Swinging Fire Door Closers

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Swinging Fire Door Closers

[See General Information for Swinging Fire Door Closers](#)

WATERSON CORP

R26997

8TH FL, 428 WUQUAN S RD
SOUTH DISTRICT
TAICHUNG, 402 TAIWAN

For self-closing doors, without hold-open feature, single acting spring hinge type, K51M Series with 3.5 in., 4.0 in., 4.5 in. and 5.0 in. leaf height.

For self-closing doors, without hold-open feature, single acting swing clear spring hinge type, K51L Series with 4.0 in., 4.5 in. and 5.0 in. leaf height.

Note:

Door closers of the spring-hinge type are investigated using the cycle endurance test in ANSI/BHMA A156.17, Grade 1, "Self Closing Hinges and Pivots".

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Swinging Fire Door Closers Certified for Canada

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WATERSON CORP

R26997

8TH FL, 428 WUQUAN S RD
SOUTH DISTRICT
TAICHUNG, 402 TAIWAN

For self-closing doors, , single acting spring hinge type, K51M Series with 3.5 in., 4.0 in., 4.5 in. and 5.0 in. leaf height.

For self-closing doors, , single acting swing clear spring hinge type, K51L Series with 4.0 in., 4.5 in. and 5.0 in. leaf height.

[Last Updated](#) on 2013-08-28

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[Fire Doors] (Fire Door Closers, Holders and Operators) Swinging Fire Door Closers

[See General Information for Fire Door Closers, Holders and Operators](#)

USE AND INSTALLATION

This category covers door-closing mechanisms of the self-closing and automatic types for swinging fire doors.

Self-closing door closers of either the surface mounted, floor mounted, concealed, semi-concealed, or spring-hinge type return the door to the closed position when opened.

Automatic door closers of either the surface mounted, concealed, or semi-concealed type employ a hold-open arm with a fusible link, which permits the door to close when a fire occurs. Fusible links on door closers are somewhat slower in action than links located at the top of the opening and at the ceiling.

Swinging-door closers are intended to be installed in accordance with the installation instructions packaged with the device. All closers are investigated for use with doors weighing a maximum of 100 lbs. When a closure is intended for use with a door weighing more than 100 lbs, the installation instructions will specify the maximum door weight. The use of sex bolts or through bolts to mount the closer to the door is required for wood or plastic-faced composite-type fire doors unless an alternate method is identified in the individual door manufacturer's certifications (and installation instructions). The use of sex bolts to mount the closers to the door is required for steel-covered composite type, sheet-metal type or hollow-metal-type fire doors provided without closer reinforcements. The use of steel machine screws to mount the closer to the door is required for steel-covered composite type, sheet-metal type or hollow-metal-type fire doors incorporating steel closer reinforcements. The use of wood screws, sheet-metal screws, sex bolts or through bolts to mount the closer to the door are required for metal-clad (Kalamein) type or wood-core-type fire doors. Some special closers are intended for use only in doors or door frames other than fire doors or fire door frames. The manufacturer of the product should be consulted to determine suitability of mounting the closer in the fire door or fire door frame.

Products identified as having been investigated to [ANSI/UL 10C](#) are intended for use on swinging fire doors and have a rating up to and including 3 h, unless otherwise noted in the individual certifications.

PRODUCT IDENTITY

One of the following product identities appears on the product:

- Door Closer Arm
- Door Closer Body
- Door Closer Body Accessory - For Use With Model XXX Door Closer Body
- Door Closer Hold-open Arm

ADDITIONAL INFORMATION

For additional information, see Fire Door Closers, Holders and Operators ([GTBT](#)), Fire Doors ([GSNV](#)) and Fire-resistance Ratings ([BXRH](#)).

REQUIREMENTS

The basic standard used to investigate products in this category is [UL 228](#), "Door Closers-Holders, With or Without Integral Smoke Detectors."

Door closers of the spring-hinge type are investigated using the cycle endurance test in ANSI/BHMA A156.17, "Self Closing Hinges and Pivots."

Where indicated in the individual certifications, products have additionally been investigated to [ANSI/UL 10C](#), "Positive Pressure Fire Tests of Door Assemblies."

UL MARK

The Certification Mark of UL on the product is the only method provided by UL to identify products manufactured under its Certification and Follow-Up Service. The [Certification Mark](#) for these products includes the UL symbol, the words "CERTIFIED" and "SAFETY," the geographic identifier(s), and a file number.

Additional Certification Markings

Products additionally investigated to ANSI/UL 10C may be so noted on the product.

Alternate UL Mark

The Listing Mark of UL on the product is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and one of the following product names as appropriate: "Door Closer Body," "Door Closer Arm," "Door Closer Hold-Open Arm," "Door Closer Body Accessory - For Use With Model XXX Door Closer Body."

Products additionally investigated to ANSI/UL 10C may be so noted on the UL Listing Mark.

* * * * *

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CERTIFICATE OF COMPLIANCE

Certificate Number 20130830-R26997
Report Reference R26997-20130829
Issue Date 2013-AUGUST-30

Issued to: WATERSON CORP
8TH FL, 428 WUQUAN S RD
SOUTH DISTRICT
TAICHUNG
402 TAIWAN

This is to certify that SWINGING FIRE DOOR CLOSERS
representative samples of See next page for models


Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/BHMA A156.17 - Self Closing Hinges and Pivots
CAN/ULC S133 - Door Closers Intended for Use with Swinging Doors

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for the US and Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US and Canada.

The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with "C" and

"US" identifiers:  the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.



William R. Carney, Director, North American Certification Programs
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number 20130830-R26997
Report Reference R26997-20130829
Issue Date 2013-AUGUST-30

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Swinging Fire Door Closers of Single Acting Swing Clear Spring Hinge Type, K51L Series,

Models S405031, S405131 and S405231 with suffix -LH or -RH, with 4.0 in. leaf height.

Models S455031, S455131, S455231, S455051, S455151 and S455251 with suffix -LH or -RH, with 4.5 in. leaf height.

Models S500041, S500141, S500241, S500051, S500151 and S500251 with suffix -LH or -RH, with 5.0 in. leaf height.

The following indicates the significance of the suffixes.

Letter Designation	Significance
-LH	Left Hand Swinging
-RH	Right Hand Swinging



William R. Carney, Director, North American Certification Programs
UL LLC

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