

**NEW YORK CITY BSA/MEA LISTINGS FOR
ELECTRICAL PRODUCTS**

BSA FILE NUMBER	RIXSON PRODUCT NUMBER
281-84-SA	Smok-Chek VI 4PUSH/PULL 6PUSH/PULL
287-77-SA	Smok-Chek V 0100-2100-0600-2600 All Door Releases 980, 981, 991, 993, 996, 997, 998 999, 972, 973

280-84-SA

APPLICANT—Rixson-Firemark, A Division of Conrac Corporation, owner.

SUBJECT—Fire alarm release for locked doors.

APPEARANCES—

For Applicant: Robert Wolfskehl.

ACTION OF BOARD—Appliance approved in accordance with the report and recommendation of Committee on Test.

THE VOTE TO GRANT—

Affirmative: Chairperson Deutsch, Commissioner Wolf, Commissioner Bockman and Commissioner Irtnera	4
Negative:	0
Absent: Vice Chairman Fossella and Commissioner Carroll	2

THE RESOLUTION—

WHEREAS, the report of a Committee on Test reads:

280-84-SA—Rixson-Firemark, Division of Conrac Corporation, Franklin Park, Illinois, filed for approval of Door Control Units, DCU1 (12VDC) and DCU2 (24VDC) and Power Supplies PS1 (12VDC) and PS2 (24VDC).

PROPOSED USE: Power Supply System for locked doors.

DESCRIPTION: The Door Control Unit Model DCU1 (12VDC) and DCU2 (24 VDC) are Power Supplies for door locking devices that provide the following standard features:

- Fire alarm release of locked doors
- “Power On” signal
- Auxiliary power input
- Auxiliary relay connection

The DCU units are capable of providing power for one to four door locking device circuits for connection to either 12 V (Model DCU1) or 24 V (Model DCU2) locks. The load can be configured in any combination of locks, except that the total load of all lock circuits shall not exceed 2 A. A total of eight 12 V locks or sixteen 24 V locks can be used on the unit because the 12 V locks are rated for 250 mA and the 24 V locks are rated for 125 mA.

The basic unit DCU consists of a power transformer and a master printed circuit board, a mother board. Each mother board is provided with up to four receptacles for insertion of an optional delay board (also called a card).

A Fire Life Safety Time Delay Card normally causes the door to be locked to prevent egress. An exiting attempt will initiate an irreversible process whereby the door will unlock after a delay, adjustable up to 30 seconds. The door will not relock until the door has been reopened. The door will unlock immediately upon a signal from the fire alarm system.

Another option, Automatic Reset Time Delay, is similar to the Fire Life Safety Time Delay except that the door will relock without

opening after a preset time period adjustable from 0 to 60 seconds.

The PS1 (12VDC) and PS2 (24VDC) units are basic versions of the Models DCU1 (12VDC) and DCU2 (24VDC), respectively. The PS type units contain only one circuit, an annunciator panel power output, auxiliary power input, fire input relay circuit and a power out signal connection. The PS type units have no auxiliary contacts and no delay capability.

INSPECTION AND TEST: The units described above have been tested and listed by Underwriters Laboratories (File S2720).

RECOMMENDATION: The Committee on Test recommends approval of the above described units DCU1, DCU2, PS1 and PS2 under the provisions of Article 6 and Reference Standard RS6 of the Building Code of the City of New York on condition that all uses, locations and installations shall comply with the applicable requirements of the Building Code and that all electrical equipment shall be approved by the New York City Electrical Advisory Board and all electrical installations shall be in accordance with the New York City Electrical Code.

The descriptive information about this item, including brochures, catalogues, bulletins, etc., as well as all product labels, packaging, and where possible, the item itself shall be labeled with the wording: “Approved by the New York City Board of Standards and Appeals under Calendar Number 280-84-SA”.

A sworn affidavit by a responsible officer of the manufacturer familiar with the materials, processes and controls of the product manufactured, shall be filed annually with this Board, certifying that materials, processes, controls and labeling of materials, literature, catalogues, bulletins, and packaging are being maintained as were in effect at the time of this approval under this Calendar Number. Failure to notify the Board of change of ownership, change of corporate name, change of address or to submit the annual affidavit will be cause for revocation of approval.

(Sgd.) GEORGE IRA SCHULMAN,
Executive Director,
For the Committee on Test,
STUART LOWENTHAL, P.E.,
SY FRIEDMAN, P.E.,
Committee on Test.

Resolved, that the Board of Standards and Appeals does hereby approve this appliance in accordance with the above report.

Adopted by the Board of Standards and Appeals, August 7, 1984.

A true copy of resolution adopted by the Board of Standards and Appeals, August 7, 1984.
Printed in Bulletin Nos. 30 through 33, Vol. LXIX.

Copies Sent
To Applicant
Fire Com'r.
Borough Supt.

Sylvia Deutsch
Chairperson.

287-77-SA

MANUFACTURER'S NAME—Rixson-Firemark Incorporated.

SUBJECT—To include electromagnetic door holders models FM991 and FM993 and door closer with electromagnetic hold-open model FM51.

APPEARANCES—None.

ACTION OF BOARD—Application reopened and resolution amended in accordance with the report and recommendation of Committee on Test.

THE VOTE TO GRANT—

Affirmative: Chairman Bennett, Vice-Chairperson Bockman, Commissioner Irrera, Commissioner Tamm, Commissioner Lawrie and Commissioner O'Keefe 6
Negative: 0

THE RESOLUTION—

WHEREAS, the report of a Committee on Test reads:

287-77-SA: Amendment to the resolution to include electromagnetic door holders models FM991 and FM993, and door closer with electromagnetic hold-open model FM51.

Rixson-Firemark Incorporated, Franklin Park, Illinois, requests that the resolution adopted July 19, 1977 and as amended through October 16, 1984 be reopened and amended to include electromagnetic door holders models FM991 and FM993, and door closer with electromagnetic hold-open series FM51.

PROPOSED USE: Electromagnetic door holders and closers.

DESCRIPTION: The FM993 is an electromagnetic door holder with 300 lbs. of holding force used to hold a self-closing fire or smoke door in the open position. If the power supply feeding the electromagnetic coil is interrupted, the door will close. The power supply is controlled by the fire alarm system and the doors are released when the fire alarm system is in an alarm condition.

The FM991 is an electromagnetic door holder with 30 lbs. of holding force. In all other respects, its use is the same as the FM993 electromagnetic door holders.

The Rixson Series FM51 door holder/closers is a device that electromagnetically holds a fire or smoke door in the open position. This device is supplied in 24V AC/DC. If the power supply feeding the electromagnetic coil is interrupted, the mechanical door closer which is part of this device will close the door. The power supply is controlled by the fire alarm system and the doors become self closing when the fire alarm system is in an alarm condition. This device combines the

electromagnetic holding mechanism and the door closing mechanism in one unit that is concealed in the floor and connected to the door.

INSPECTION AND TEST: All of the above model numbers have been tested and listed by Underwriters Laboratories Incorporated as follows:

Model	File No.	Project No.	Date
FM993	EX3145	88NK3228	April 13, 1988
FM991	EL100740	88NK11768	September 5, 1986 and Revised 5/6/87
FM51			January 29, 1988 and corrected July 17, 1989.
(series)	R6461	87NK28464	

RECOMMENDATION: The Committee on Test recommends that the resolution adopted July 19, 1977 and as amended through October 16, 1984 be reopened and amended to include the above models on condition that all uses locations and installations comply with the New York City Building Code.

Other than as herein amended the original resolution and all prior amendments thereto shall be complied with in all respects.

The descriptive information about this item, including brochures, catalogues, bulletins, etc., as well as product labels, packaging, and where possible, the item itself shall be labeled with the wording: "Approved by the City of New York Board of Standards and Appeals under Calendar Number 287-77-SA."

A sworn affidavit by a responsible officer of the manufacturer familiar with the materials, processes and controls of the product manufactured, shall be filed annually with this Board, certifying that materials, processes, controls and labeling of materials, literature, catalogues, bulletins, and packaging are being maintained as were in effect at the time of this approval under this Calendar Number. Failure to notify the Board of change of ownership, change of corporate name, change of address or to submit the annual affidavit will be cause for revocation of approval.

(Sgd.)
For the Committee on Test:
MARK JACHNIEWICZ, P.E.
RAYMOND W. LAWRIE, P.E.
Commissioner
KATHLEEN A. CARNEY
Executive Director

Resolved, that the Board of Standards and Appeals does hereby amend the above cited resolution in accordance with the above report.

Adopted by the Board of Standards and Appeals, November 8, 1989.

A true copy of resolution adopted by the Board of Standards and Appeals, November 8, 1989.
Printed in Bulletin No. 46 Vol. LXXIV.

Copies Sent NOV 29 1989
To Applicant |
Fire Com'r. |
Borough Supt. |

Chairman.

287-77-SA

MANUFACTURER'S NAME—Rixson-Firemark Division of Conrac Corporation, owner.

SUBJECT—Modified smoke detectors.

APPEARANCES—

For Manufacturer: Joseph Gattuso.

For Administration: John Scrofani, Fire Dept.

ACTION OF BOARD—Application Reopened and resolution amended in accordance with the report and recommendation of Committee on Test.

THE VOTE TO GRANT—

Affirmative: Chairperson Deutsch, Vice Chairman Fossella, Commissioner Carroll, Commissioner Wolf,

Commissioner Bockman and Commissioner Itrera 6

Negative: 0

THE RESOLUTION—

WHEREAS, the report of a Committee on Test reads

287-77-SA—Amendment to the resolution to include modified smoke detectors.

Rixson-Firemark Division of Conrac Corporation, Franklin Park, Illinois, requested that the resolution adopted July 19, 1977 and amended through March 3, 1981 be reopened and amended to include the modified smoke detectors Models: ID24D2, ID24D4, ID24A and ID120.

PROPOSED USE: Smoke detection.

DESCRIPTION: The smoke detectors Models ID24D2, ID24D4, ID24A and ID120 previously approved have been modified so that their sensitivity conform to meet UL 268 Standards.

The modification was made by adjustment of the potentiometer. Otherwise the Detectors were unchanged. It is also requested that the Detectors be approved for, "open area protection."

INSPECTION AND TEST: The smoke detectors have been tested and listed under U.L. Standard #268 by Underwriters Laboratories (File S2002) and have been recommended for favorable consideration by the Bureau of Fire Prevention.

RECOMMENDATION: The Committee on Test recommends that the resolution adopted July 19, 1977 and amended through March 3, 1981 be reopened and amended to include the modified smoke detectors Models: ID24D2, ID24D4, ID24A and ID120 and to approve their use in, "open area protection", on condition that all uses, locations and installations shall conform with the Building Code of the City of New York, Chapter 26, Article 17 and Reference Standard RS 17-3, RS17-3A and RS17-3B, the Fire Prevention Code and applicable Fire Prevention Directives.

The descriptive information about this item, including brochures, catalogues, bulletins, etc., as well as all product labels, packaging, and where possible, the item itself, shall be labeled with the wording: "Approved by the New York City Board of Standards and Appeals under Calendar Number 287-77-SA".

A sworn affidavit by a responsible officer of the manufacturer familiar with the materials, processes and controls of the product manufactured, shall be filed annually with this Board, certifying that materials, processes, controls and labeling of materials, literature, catalogues, bulletins, and packaging are being maintained as were in effect at the time of this approval under this Calendar Number. Failure to notify the Board of change of ownership, change of corporate name, change of address or to submit the annual affidavit will be cause for revocation of approval.

(Sgd.) GEORGE IRA SCHULMAN,
Executive Director,
For the Committee on Test,
SOLOMON HASELNUSS, P.E.,
SY FRIEDMAN, P.E.,
Committee on Test.

Resolved, that the Board of Standards and Appeals does hereby amend the above cited resolution in accordance with the above report.

Adopted by the Board of Standards and Appeals, October 16, 1984.

A true copy of resolution adopted by the Board of Standards and Appeals, October 16, 1984.
Printed in Bulletin No. 43, Vol. LXIX.

Copies Sent
To Applicant
Fire Com'r.
Borough Supt.

Sylvia Deutsch
Chairperson.

287-77-SA

APPLICANT—Fred G. Mackenzie Company for Rixson Firemark, Incorporated, owner.

SUBJECT—Application June 8, 1977—Smok-Chek III, IV, V, various models and Series. Electromagnetic Door Releases, various models. Smoke Detectors, various models.

APPEARANCES—

For Applicant: Michael Bonaventura.

ACTION OF BOARD—Appliance approved in accordance with the report and recommendation of Committee on Test.

THE VOTE—

Affirmative: Chairman Klein, Vice Chairman Agusta, Commissioner Carroll, Commissioner Walski, Commissioner Cincotta and Commissioner Fossella .. 6
Negative: 0

THE RESOLUTION—

WHEREAS, the report of a Committee on Test reads: 287-77-SA—Fred G. MacKenzie Company, New York, for Rixson-Firemark, Incorporated, Franklin Park, Illinois, filed for approval of Rixson-Firemark combination smoke detectors/door holders/door release and closers (models listed below) under the provisions of Articles 6 and 17 and RS 17 of the Building Code of the City of New York.

PROPOSED USE: Combination smoke detectors/door holders/ door release and closers.

DESCRIPTION: The devices are used in conjunction with required fire rated doors which are kept open during non-fire conditions. The devices use electromagnets to hold the doors open. Smoke detectors initiate electric signals which deactivate the magnets and close the doors. The detectors are either ionization type or photo-electric type. The detectors can be either an integral part of the device or can be at remote locations. They are available with normally open or normally closed contacts and AC or DC power. The devices are available in various designs to accommodate different types of mounting arrangements, door hardware, arc of door closure, etc.

The models of the equipment are as follow:
Smok-Chek V FM Series 2100, 2600, 3100, 3600, 4100, 4600, 0100 and 0600 (with -00, -01, -30, -31, -40, -41 suffixes).
FM 1602 and FM1601-24VAC Smoke Detectors
Smok-Chek III FM940M, FM941M, FM946M (FM940M Series)
FM1001 MX135 and FM-603 L X135 Smoke Detectors
FM1601-120VAC Smoke Detectors

Electromagnetic Door Releases: FM999, FM980, FM981, FM995, FM998, FM997, FM996, FM972S, FM972H, FM972U

Smoke-Chek III and IV 5600, 6600, 1600M, 8000, and 7000 Series (with -30, -40, -31, -41, -34, -44, -34APH, -44APH, -36, -46 suffixes)

INSPECTION AND TEST: The devices have been tested and approved by Underwriters' Laboratories (File R6461).

RECOMMENDATION: The Committee on Test recommends the approval of the Rixson-Firemark combination smoke detectors/door holders/ door release and closers (models listed above) under the provisions of Articles 6 and 17 and RS 17 of the Building Code of the City of New York on the following conditions:

1. All interconnections between remote smoke detectors and the door releasing devices shall use Board approved equipment.
2. The devices shall be limited to use on corridor doors in buildings of Occupancy Group H-2 (institutional).
3. All uses and installations of the devices shall comply with the applicable requirements of the Building Code and the Electrical Code.
4. The devices shall be permanently labeled: "Approved by the Board of Standards and Appeals for use in New York City under Calendar Number 287-77-SA."
A sworn affidavit by a responsible officer of the manufacturer familiar with the materials, processes and controls of the product manufactured, shall be filed annually with this Board, certifying that materials, processes and controls are being maintained as were in effect at the time of this approval or previous approvals under this Calendar Number. Failure to notify the Board of change of ownership, change of corporate name, change of address or to submit the annual affidavit will be cause for revocation of approval.

(Sgd.) ALAN D. GERSHUNY,
Executive Director,
For the Committee on Test,
STUART LOWENTHAL,
Asst. Engr.,
THOMAS W. FARRICKER, JR.,
Asst. Arch.,
Committee on Test.

Resolved, that the Board of Standards and Appeals does hereby approve this appliance in accordance with the above report.

A true copy of resolution adopted by the Board of Standards and Appeals July 19, 1977.
Printed in Bulletin No. 30, Vol. LXII.

Copies Sent
To Applicant
Fire Com'r.
Borough Supt.

Joseph B. Klein
Chairman.