



# Certificate of Compliance

## FIRE PROTECTION EQUIPMENT

This certificate is issued for the following [name] equipment:

Equipment Model Designations: FX-2003-12N/DS, FX-2017-12N/DS, FX-2009-12N/DS, FX-2000ND/S, FX-2000MNS, FX-4003-12N, FX-4017-12N, FX-4009-12N, FX-4000MNS

Approval Guide Listing Category:

- Electrical Signaling  Signaling Systems (Fire)  Local Protective Signaling  Local Protective Signaling
- Electrical Signaling  Signaling Systems (Fire)  Central Station Signaling Systems
- Electrical Signaling  Signaling Systems (Fire)  Emergency Voice/Alarm Communication Systems
- Electrical Signaling  Signaling Systems (Fire)  Proprietary Signaling Systems

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This certifies that the equipment described has been found to comply with the applicable requirements, as stated in the Approval Report(s), of the following FM Approval Standards and other documents:

<i>Approval Standards</i>	<i>Date</i>	<i>Other Standards</i>	<i>Date</i>
<i>Class Number</i>	<i>Date</i>	<i>Organization, Designation</i>	<i>Date</i>
3010	2021	None	

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To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

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3 January 2023

Date



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- ☒ [Electrical Signaling](#) ☒ Signaling Systems (Fire) ☒ Local Protective Signaling ☒ Local Protective Signaling
- ☒ [Electrical Signaling](#) ☒ Signaling Systems (Fire) ☒ Central Station Signaling Systems
- ☒ [Electrical Signaling](#) ☒ Signaling Systems (Fire) ☒ Emergency Voice/Alarm Communication Systems
- ☒ [Electrical Signaling](#) ☒ Signaling Systems (Fire) ☒ Proprietary Signaling Systems

## FleX-Net Mass Notification Network Fire Alarm and Audio System

The FleX-Net Mass Notification and Network Fire Alarm control panel, Input power 120/240 VAC, Output 24V DC, 10A and standby battery 24VDC up to 65AH. Provides 4 notification appliance circuits (NACs) which may be configured Class B, [prior NFPA 72 2013] Style Y or Class A, [prior NFPA 72 2013] Style Z. Signaling line circuits may be configured as Class A, [prior NFPA 72 2013] Style 6 or 7, or Class B, [prior NFPA 72 2013] Style 4 with firmware part number SO-206 Version 12.2.29, consists of models:

Model	Description
FX-2003-12N/DS	Fire Alarm control panel
FX-2017-12N/DS	Fire Alarm control panel
FX-2009-12N/DS	Fire Alarm control panel
FX-2000ND/S	Fire Alarm control panel
FX-2000MNS	Fire Alarm control panel
FX-4003-12N	Fire Alarm control panel
FX-4017-12N	Fire Alarm control panel
FX-4009-12N	Fire Alarm control panel
FX-4000MNS	Fire Alarm control panel

Optional modules:



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Model	Description
ALCN-792M/MISO	Quad Loop Main board
ALCN-960MISO	Quad Loop Main board
ALCN-4792MISO	Quad Loop Main board
ALCN-792D	Quad Loop Daughter board
ALCN-960D	Quad Loop Daughter board
DSPL-420/DS	Narrow Display board
DSPL-2440/DS	Graphic Display board
PR-300	Polarity Reversal and City module
UDACT-300A	Digital Communicator module used for transmitting alarm, trouble and supervisory information to an external receiver (DACR).

<b>Compatible DACR Receiver Model</b>	<b>Protocols</b>
SurGard MLR2	SIA-DCS and Ademco Contact ID
SurGard SLR	SIA-DCS and Ademco Contact ID
Osborne-Hoffman Quickalert! II	SIA-DCS and Ademco Contact ID
Osborne-Hoffman OH-2000	SIA-DCS and Ademco Contact ID



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Silent Knight Model 9500	SIA-DCS and Ademco Contact ID
Radionics Model D6500	Ademco Contact ID
Radionics Model D6600	SIA-DCS and Ademco Contact ID

Adder modules: \_\_\_\_\_

Model	Description
DM-1008A	8 Initiating Circuits
SGM-1004A	4 NAC
RM-1008A	8 Programmable Relays
IPS-2424/DS	Programmable Input Switches
FDG-008	Graphic Driver Fan/Damper module
FDS-008	Fan/Damper module (configurable),
FDX-008	Fan/ Damper Module
FDX-008KI	Fan/Damper module with 1 keyswitch

Backboxes and doors available for the FleX-Net and FX-2000 are: \_\_\_\_\_

Model	Description



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BBX-2000/R	enclosure,
BBX-1072A/R/DS/RDS	Enclosure
BB-5008	backbox
DOX-5008M/R	door
BB-5014	backbox
DOX-5014M/R	door
BBX-1024DS	enclosure
UB-1024DS	Backbox
DOX-1024DS/R	Door
FX-2003-12XT/DS	expanded Fire Alarm Chassis, used with backbox BBX-1024XT/DS and a DOX-1024DS/R door.
FX-4003-12XT	expanded Fire Alarm Chassis, used with backbox BBX-1024XT/DS and a DOX-1024DS/R door.

Model	Description
INX-10A	NAC expander and power supply.
INX-10ADS	NAC expander and power supply.



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INX-10AC	firmware part number SO-229 Version 1.1.1, are NAC expander and power supply.
FX-MNS	consists of the BBX-FXMNS backbox and inner door, DOX-FXMNS/R outer door, QMB-5000N Audio Card Cage, FX-2000MNS or FX-4000MNS Main Fire Alarm board , and PS-2040 Power Supply. For proprietary service model FX-MNS must be used

**Network modules include:**

Model	Description
FNC-2000	Fire Alarm Network card
FOM-2000-UM	Fiber Optics card
FOM-2000-SP	Fiber Optics card
ANC-5000	Audio Network card
ANC-4000	Audio Network card
TNC-5000	Telephone Network card

QX-5000 Series audio system **Audio Components include:**

Model	Description
QBB-5001(R)	Audio Panel,
QPS-5000N	Power Supply
QBC-5000N	Battery Charger

**Amplifiers mount into a QMB-5000B Audio Card Cage:**



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Model	Description
QAA-5415-70	Amplifier
QAA-5415-25	Amplifier
QAA-5160-70/25	Amplifier
QAA-5130-70/25	Amplifier
QAA-5130S-70/25	Amplifier

## FX-MNS consists of:

Model	Description
QMP-5101N	Master Paging module
QMP-5101NV	Vertical Mount Master Paging module
QAZT-5302/DS	Paging Selector panel
QAZT-5348DS	Paging Selector panel

## Telephone Components include:

Model	Description
QMT-5302N	Master Telephone module
QMT-5302NV	Vertical Mount Master Telephone module
QAZT-5302/DS	Telephone Selector panel



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QAZT-5348DS	Telephone Selector panel
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**FX-LOC(R) Local Operating Console consists of:**

Model	Description
RAXN-LCD	A Share Display Annunciator
FDS-008	Selection Control Panel
MIX-M500DMA	Dual Monitor Module
MIX-M500DMAPA	Dual Monitor Module
IM-10	Input Monitor Module
QMP-5101N	Master Microphone module

**annunciators available are:**

Model	Description
RAXN-LCDG	graphic display annunciator module
OPEN GN	graphic display annunciator software package for fire detection management

**Other annunciators available are:**

Model	Description
RTI-1	Annunciator
RAM-208	Annunciator
RAM-1016TZ/DS	Main Annunciator Chassis;



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RAM-1032/TZ/TZDS	Main Annunciator Chassis
RAX-1048/TZ/TZDS	Adder Annunciators
MGD-32	Master Graphic Driver Chassis
MGD-16/16	Main Display Annunciator Chassis
AGD-048	Adder Graphic Driver Chassis

## Annunciator boxes:

Model	Description
BB-1001(R)	Annunciator boxes
BB-1002(R)	Annunciator boxes
BB-1003(R)	Annunciator boxes
BB-1008(R)	Annunciator boxes
BB-1012(R)	Annunciator boxes
BB-1001D	White Enclosure for one annunciator.
BB-1001DR	Red Enclosure for one annunciator.
BB-1001DS	Enclosure for one annunciator with stainless steel door.
BB-1001WPA	White enclosure for one annunciator rated for outdoor environment, wet location.
BB-1001WPRA	Red enclosure for one annunciator rated for outdoor environment, wet location.
BB-1002D	White Enclosure for two annunciators.
BB-1002DR	Red Enclosure for two annunciators.



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BB-1002DS	Enclosure for two annunciators with stainless steel door.
BB-1002WPA	White enclosure for two annunciators rated for outdoor environment, wet location.
BB-1002WPRA	Red enclosure for two annunciators rated for outdoor environment, wet location.
BB-1003D	White Enclosure for three annunciators.
BB-1003DR	Red Enclosure for three annunciators.
BB-1003DS	Enclosure for three annunciators with stainless steel door.
BB-1008D	White Enclosure for eight annunciators.
BB-1008DR	Red Enclosure for eight annunciators.
BB-1012D	White Enclosure for twelve annunciators.
BB-1001DR	Red Enclosure for one annunciator.
PTR-2000-1	Line Printer
DM-1008A	Eight Initiating Circuit Module
SGM-1004A	Four Indicating Circuit Module
RM-1008A	Eight Relay Circuit Module
IPS-2424/DS	Programmable Input Switches Modules
IPS-4848DS	Programmable Input Switches Modules
FDX-008W/KI	Fan Damper Module
PR-100	Polarity Reversal
PR-300	City Tie Module



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MIX-FC351AP	module
MIX-FC351APA	module
MIX-2351AP	module
MIX-2351TAP	module
MIX-2351TAPA	module
MIX-2351RAP	module
MIX-2351RAPA	module
MIX-2351TIRAP	module
MIX-2351TIRAPA	module
MIX-5351AP	module
MIX-5351HAP	module
MIX-5351RAP	module
MIX-5351APA	module
MIX-5351HAPA	module
MIX-5351RAPA	module

## Mircom Compatible devices:

Model	Description
MIX-1251/B	devices
MIX-2251/B/TB/BR	devices
MIX-2251TM/TMB	devices
MIX-5251P/RP/B/RB/H	devices
MIX-M500M	devices
MIX-M500CH	devices



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MIX-M501M	devices
MIX-M502M	devices
MIX-M500R	devices
MIX-M500S	devices
MIX-M500DM	devices
MIX-M500FP	devices
MIX-DH200PL	devices
MIX-DH200RPL	devices
MIX-210LP	devices
MIX-B501BH	devices
MIX-B501BHT	devices
MS-701ADU	devices
MS-710ADU	devices
MIX-501MAP	devices
MIX-501MAPA	devices
MS-402APU	PULL STATIONS
MS-401APU	PULL STATIONS
MS-401MPU	PULL STATIONS
MS-701APU	PULL STATIONS
MS-710APU	PULL STATIONS
MS-710MPU	PULL STATIONS
MS-810U	PULL STATIONS
MPS-810APU	PULL STATIONS
MPS-810MPU	PULL STATIONS
MIX-4040	Dual Input Module
MIX-4041	Mini Dual Input Module
MIX-4042	Conventional Zone Module
MIX-4045	Dual Relay Module



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MIX-4046	Supervised Output Module
MIX-4070	Short Circuit Isolator Module

## System Sensor Models

Model	Description
7251	module
2251-COPTIR	module
M500M-4-20	module
FTX-P1	module
M500X	module
M500MAP	module
M501MAP	module
M502MAP	module
M500DMAP	module
M500RAP	module
M500SAP	module
IM-10	module
CR-6	module
SC-6	module
B224BI	module
B224RB	module
B200SR	module
B501/B	module
B210LP	module
B501B-FTX	module
B501BH	module
B501BHT	module



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CZ-6	module
BEAM200	module
BEAM200S	module
DNR	module
MIX-M500M(A)	monitor modules
MIX-M500MAP(A)	monitor modules
MIX-M501M	module
MIX-M501MAP(A)	module
MIX-M501M(A)	Mini-monitor modules
MIX-M502M(A)	module
MIX-M502MAP(A)	zone- interface module
MIX-M500R	module
MIX-M500RAP(A)	module
MIX-M500RA	relay control modules
MIX-M500S	module
MIX-M500SA	module
MIX-M500SAP(A)	Supervised Control Module
MIX-M500DMAP(A)	dual control module

## duct smoke detectors:

Model	Description
MIX-DH200PR	duct smoke detectors
MIX-DH200PL	duct smoke detectors;



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MIX-DH200RPL	duct smoke detectors;
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Model	Description
MIX-1251	ionization smoke detectors
MIX-1251B(A)	ionization smoke detectors
MIX-1251A	ionization smoke detectors
MIX-1251AP(A)	ionization smoke detectors
MIR-1400A	ionization smoke detectors

Model	Description
Models MIR-2400A	photoelectric smoke detectors
MIX-2251	photoelectric smoke detectors
MIX-2251A	photoelectric smoke detectors
MIX-2251B(A)	photoelectric smoke detectors
MIX-2251AP(A)	photoelectric smoke detectors
MIX-2251BR(A)	photoelectric smoke detectors
MIX-2251TB(A)	photoelectric smoke detectors
MIX-2251TAP(A)	photoelectric smoke detectors
MIX-2251TMB(A)	photoelectric smoke detectors
MIX-2251TMAP(A)	photoelectric smoke detectors
MIX-2251T	photoelectric smoke detectors
MIX-FTX-P1A	photoelectric smoke detectors



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Model	Description
MIX-5251B	heat detectors
MIX-5251BA	heat detectors
MIX-5251AP(A)	heat detectors
MIX-5251P	heat detectors
MIX-5251RB	heat detectors
MIX-5251H(A)	heat detectors
MIX-5251HAP(A)	heat detectors
MIX-5251RAP(A)	heat detectors
MIX-5251RBA	heat detectors
MIX-5251RPA	heat detectors
MIX-5251RP	heat detectors
MIX-5251PA 135°F	heat detectors

fixed heat detectors:

all heat detectors except 190°F fixed models are rated for 25 by 25 ft (7.6 by 7.6 m) maximum spacing. The 190°F fixed models are rated for 20 by 20 ft (6.1 m by 6.1 m) maximum spacing.

All the spot type analog detectors are used with model MIX-B224BI, MIX-B210LP mounting bases.

Model	Description
M500X	System Sensor Class A, [prior NFPA 72 2013] [prior NFPA 72 2013] Style 7 SLC operation uses M500X Isolator Modules.
M500M	System Sensor Class A, [prior NFPA 72 2013] [prior NFPA 72 2013] Style 7 SLC operation uses M500X Isolator Modules.



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M500CH	System Sensor Class A, [prior NFPA 72 2013] [prior NFPA 72 2013] Style 7 SLC operation uses M500X Isolator Modules.
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Compatible with the following two-wire initiating devices:

Model	Description
1151/B110LP	System Sensor models (detector/base)
B116LP	System Sensor models (detector/base)
1400	System Sensor models (detector/base)
1451/B401	System Sensor models (detector/base)
B406B	System Sensor models (detector/base)
2151/B110LP	System Sensor models (detector/base)
B116LP	System Sensor models (detector/base)
2400	System Sensor models (detector/base)
2400TH	System Sensor models (detector/base)
2451/B401	System Sensor models (detector/base)
B406B	System Sensor models (detector/base)
2451TH/B401	System Sensor models (detector/base)

GE Security (ESL) models (detector/base)

Model	Description
429C	GE Security (ESL) models (detector/base)
429CT	GE Security (ESL) models (detector/base)
429CST	GE Security (ESL) models (detector/base)



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429CRT	GE Security (ESL) models (detector/base)
711U/701E	GE Security (ESL) models (detector/base)
701U	GE Security (ESL) models (detector/base)
702E	GE Security (ESL) models (detector/base)
702U	GE Security (ESL) models (detector/base)
721U/702E	GE Security (ESL) models (detector/base)
702U	GE Security (ESL) models (detector/base)
721UT/702E	GE Security (ESL) models (detector/base)
731U/702E	GE Security (ESL) models (detector/base)
702RE	GE Security (ESL) models (detector/base)
702RU	GE Security (ESL) models (detector/base)



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