



FDNY

BUREAU OF FIRE PREVENTION

9 Metro Tech Center, 3rd Floor

Brooklyn ,NY,11201

To: James Wilson

From : New York City Fire Department

Date Oct 25, 2024

Record ID: 2024-TMCOAP-007454-AMND



Premises Address: Citywide

BIN

Application Type: Certificate of Approval

Result: Certificate of Approval

Expires On: Oct. 24, 2027.

Previous COA Reference ID: 2023-TMCOAP-010023-AMND.

By order of Fire Commissioner, and pursuant to Section FC 112 of the New York City New Fire Code, the following equipment or system is accepted for use provided the conditions as outlined below are in full compliance.

Manufacturer: Digital Monitoring Products, Inc.

Trade Name: Digital Monitoring Products, Inc.

Product: Fire Alarm Equipment

Model Number(s): Fire Alarm Control Units:

XR100, XR100FC, XR100N, XR100NFC, XR500, XR500FC, XR500N, XR500NFC, XR500E, XR150D, XR150DFC, XR150DN, XR150DNFC, XR550D, XR550DFC, XR550DN, XR550DNFC, XR550DE, XF6-100, XF6-100K, XF6-500, XF6-500K.

Cellular Communicators: 463G, 463C, 263C, 263H, 263LTE, 263LTE-FN.

Network Communicator: iCOMsl.

Power Supplies: PS12-5 & PS24-4.

Complete list of fire alarm equipment is shown in Table.

Pertinent Code Section(s): Section FC 901 of the New York City Fire Code

Test(s) Standards(s): UL 864, NFPA-72-2016, 1 RCNY §3616-04

Laboratory: Underwriters Laboratories, Inc. (UL); Intertek (ETL)



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Test Report(s): Report(s): Intertek Report # 103943634CHI-001 Issued: 9-Jul-2019
UL File S3598; Issued 2008-12-11; Revised 2019-01-31
UL File S3598 Vol. 1; Issued 1998-10-6; Revised 2012-04-03
UL File S3598 Vol. 2; Issued 1991-10-14; Revised 2012-04-03
UL File S3598 Vol. 3; Issued 1996-7-19; Revised 2012-04-03
UL File S3598 Vol. 4; Issued 1996-8-23; Revised 2012-09-29
UL File S3598 Vol. 6; Issued 2002-10-3; Revised 2012-04-03
UL File S3598 Vol. 8; Issued 2008-03-13; Revised 2022-09-13
UL File 7400 Vol. 1; Issued 2000-6-15; Revised 2009-12-22
UL File S7237 Vol. 1; Issued 1998-10-23; Revised 2012-04-03
UL File S7237 Vol. 3; Issued 2009-07-20; Revised 2012-04-03
UL File S25068 Vol. 1; Issued 2011-09-15; Revised 2012-04-02
UL File BP10002 Vol. 4; Issued 2012-09-01
UL File E350044 Vol. 1; Issued 2012-01-19; Revised 2012-03-29
Intertek Report # 104514240CHI-001; Issued 2021-03-11
UL File S7400 Vol.1; Issued 2024-09-10

Description: The Cellular Communicator 263LTE-FN and 1100T Wireless Universal Translator is added to this COA. The Models XR100, XR100FC, XR100N, XR100NFC, XR500, XR500FC, XR500N, XR500NFC, XR500E, XR150D, XR150DFC, XR150DN, XR150DNFC, XR550D, XR550DFC, XR550DN, XR550DNFC and XR550DE Fire Alarm Control Units are 12VDC microprocessor based control panels that provide power limiting on all circuits and include eight grounded initiating circuits, two Class B ungrounded initiating circuits for connection of two-wire smoke detectors, up to two dry contact SPDT (Form C Contact) relay outputs, and eight 50mA open collector outputs.

The Model XR100, XR100FC, XR100N, XR100NFC, XR500, XR500FC, XR500N, XR500NFC, XR500E, XR150D, XR150DFC, XR150DN, XR150DNFC, XR550D, XR550DFC, XR550DN, XR550DNFC and XR550DE provide a 0.7 amp indicating circuit, a 0.5-amp auxiliary output of which 100mA can be reset for operation of four-wire smoke detectors.

The Model XR100, XR100FC, XR100N, XR100NFC, XR500, XR500FC, XR500N, XR500NFC, XR500E, XR150D, XR150DFC, XR150DN, XR150DNFC, XR550D, XR550DFC, XR550DN, XR550DNFC and XR550DE communicate with the Model SCS-1R Central Station Receiver via the built-in dialer communicator or the Model 893A Dual Phone Line Module to provide Central Station and Remote Station Signaling Service.

The XR100 (using 462N), XR100FC (using 462N), XR100N, XR100NFC, XR500 (using 462N), XR500FC (using 462N), XR500N, XR500NFC, and XR500E also communicate with Model SCS-1R or SCS-VR Central Station Receiver primary or secondary channels using IP network communication or Models 463G or 463C Digital Cellular Communicators to provide Central Station, Remote Station, and Proprietary Signaling Service. Local Signaling Service is provided by addition of the Model 865 Class A or B or Models 866 or 867 Class B indicating circuit modules.

The XR150D, XR150DFC, XR550D, XR550DFC, XR150DN, XR150DNFC, XR550DN, XR550DNFC and XR550DE also communicate with Model SCS-1R or SCS-VR Central Station Receiver primary or secondary channels using IP network communication or Models 263C or 263H Digital Cellular Communicators to provide Central Station, Remote Station, and Proprietary Signaling Service. Local Signaling Service is provided by addition of the Model 865 Class A or B or Model 866 or 867 Class B indicating circuit modules. The Model XR100, XR100FC, XR100N, XR100NFC, XR500, XR500FC, XR500N, XR500NFC, XR500E, XR150D, XR150DFC, XR150DN, XR150DNFC, XR550D, XR550DFC, XR550DN, XR550DNFC and XR550DE are controlled by and provide annunciation via the Model 630F alphanumeric keypad. The Models 7070, 7070A, 7073, 7073A, 7170, 7170A, 7173, 7173A, 7570, 7570A, 7573, or 7573A alphanumeric keypads provide expansion for up to four Class B initiating circuits.

The XF6-100, XF6-100K, XF6-500, and XF6-500K Fire Alarm Control Units are 24 VDC microprocessor-based control panels that provide power limiting on all circuits and include six class B initiating device circuits, and two Class B NAC circuits.



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The 710, 711, 711S, 714, 715, 714-8, 714-16, 715, 715-8, 715-16, and 736P zone expanders provide up to 500 Class B initiating circuits. The Model 710 Bus Splitter/Repeater module provides extension capability for the four-wire loop initiating circuits or act as a junction box for termination of multiple four-wire loop runs.

The Model 714-8, 714-16, 715-8, and 715-16 zone expanders provide Class B initiating circuits. The Model 715, 715-8 and 715-16 provide connection for two-wire smoke detectors.

SCS-104 Line Card and SCS-101 Network Line Card provide Central Station or Remote Station signaling service.

The iCOMsl Network Alarm Router is compatible with any regulated, power limited fire alarm control panel. The iCOMsl allows the control panel to communicate as a primary signaling path over an Ethernet or Internet connection. The iCOMsl requires the use of the Model 377 Trouble Annunciator Module.

The 263C CDMA Cellular Communicator provides a fully supervised alarm communication path over the CDMA network. The 263H HSPA+ Cellular Communicator provides a fully supervised alarm communication path using the HSPA+ network. Both 263LTE and 263LTE-FN provide a fully supervised path using the LTE network. The 263C, and 263H and 263LTE are compatible with the XR150/ XR550 and XF6 Series Control panels. The communicators are installed on the panel's J24 -Cellular header and are powered by the panel so no additional enclosure, power supply or battery back-up is needed.

The 463C CDMA Cellular Communicator provides a fully supervised alarm communication path over the CDMA network. The 463C is installed in the panel with connector J6 - Interface Card connection or a 461 Interface Adaptor card and powered by the panel so no additional enclosure, power supply or battery back-up is needed.

The Models 1100X Wireless Receiver and 1100XH High Power Wireless Receiver provide two-way, supervised wireless communication using 900 MHz frequency hopping-spread-spectrum technology.

The 1100R Wireless Repeater provides increased communication range by forwarding messages from the transmitter to the wireless receiver. The 1100R is used with the 1100X or 1100XH Wireless Receivers.

The 1103 is two input transmitters with wall and case tamper typically used for commercial fire applications. The 1103 provides two internal magnetic reed switches and an on-board terminal block to allow for external contact wiring with an end-of-line resistor. The 1103 is used with the 1100X or 1100XH Wireless Receivers.

Single Point Zone Expander 711S is added to this COA. Zone expander module allows increasing the number of reporting zones available on DMP panels.

The Models 1165 Wireless Smoke Detector, 1165H Wireless Smoke/Heat Detector, and 1165HS Wireless Smoke/Heat Detector with Sounder are commercial wireless smoke detectors used with the 1100X or 1100XH Wireless Receivers.

The Model 1181 Wireless PIV is a weatherproof and tamper resistant wireless switch for monitoring the open position of fire sprinkler control valves of the post indicator, butterfly and other types. The 1181 is used with the 1100X or 1100XH Wireless Receivers.

1164 Wireless Smoke Detector is wireless smoke detector used with 1100XH or 1100XH Wireless Receiver.

1168 Wireless Smoke and CO Detector is a wireless smoke and CO detector used with 1100XH or 1100XH Wireless Receiver.

The 1182 Wireless OS&Y Switch is used to monitor the open position of an OS&Y (outside screw and yoke) type gate valve. The 1182 is used with the 1100X or 1100XH Wireless Receivers.

The 1183-135F is a wireless fixed temperature detector that reacts to heat by responding to the fixed 135° temperature setting. The 1183-135R is a wireless combination rate-of-rise and fixed temperature detector that detects heat quickly by responding to a rapid temperature increase or a fixed 135° temperature setting. The 1183 Series are used with the 1100X or 1100XH Wireless Receivers.



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The 271 is a ground fault detection module used with the XR150 and XR550 control panels.

The 7830F is a touchscreen remote annunciator compatible with the XR150/XR550 and XF6-100/XF6-500 Series control panels.

The DMP PS Series Power Supplies are special application, power limited, switching power supplies. The PS12 5 is rated for 12 VDC at 5 Amps Class B maximum. The PS24 4 is rated for 24 VDC at 4 Amps Class B maximum. Each power supply also includes: • AC input LED indicator • Standby battery LED indicator • AC trouble relay • Battery trouble relay • On-board transient protection for AC input and DC output.

The model short description and testing information are shown in Table 1.

Table 1.

Model Description UL File Location

SCS-1R, SCS-100, SCS-101, SCS-104 Central Station Receiver S3598 Vol 1 Sec 2
SCS-VR Virtual Central Station Receiver BP10002 Vol 4 Sec 1
710, 710F, 711, 711S, 714, 714-8,
714-16, 715, 715-8, 715-16, 736P Zone Expanders S3598 Vol 2 Sec 2
865, 866, 377 Notification Modules S3598 Vol.3 Sec 1
630F Keypad S3598 Vol. 4 Sec 3
7830F Graphic Remote Annunciator S3598 Vol. 8 Sec 3
XR100, XR100N Signal System Control Units S3598 Vol. 4 Sec 4
XR100FC, XR100NFC Signal System Control Units S3598 Vol. 4 Sec 4
XR500, XR500N, XR500E Signal System Control Units S3598 Vol. 4 Sec 4
XR500FC, XR500NFC Signal System Control Units S3598 Vol. 4 Sec 4
XR150D, XR150DN Signal System Control Units S3598 Vol. 8 Sec 1
XR150DFC, XR150DNFC Signal System Control Units S3598 Vol. 8 Sec 1
XR550DE, XR550D, XR550DN Signal System Control Units S3598 Vol. 8 Sec 1
XR550DFC, XR550DNFC Signal System Control Units S3598 Vol. 8 Sec 1
XF6-100, XF6-100K, XF6-500, XF6-500K Fire Alarm Control Units S3598 Vol. 8 Sec 3
860 Output Relay Module S3598 Vol. 4 Sec 4
263C, 263H, 263LTE, 263LTE-FN Digital Cellular Communicators S3598 Vol. 8 Sec 2
270 Network Transient Suppression S3598 Vol. 8 Sec 2
271 Ground Detection Module S3598, Vol. 8 Sec. 1
277 Trouble Sounder S3598 Vol. 8 Sec 1
352, 341 Enclosures S3598 Vol. 4 Sec 4
461 Interface Adapter S3598 Vol. 4 Sec 4
463G, 463C Digital Cellular Communicator S3598 Vol. 4 Sec 4
322, 323, 324, 324P Transformers S3598 Vol. 4 Sec 4
893A Communication Module Keypad S3598 Vol. 4 Sec 4
867 Notification Module S3598 Vol. 4 Sec 6
869 Indicating Module S3598 Vol. 4 Sec 6
733, 734 Wiegand Interface Modules S3598 Vol. 4 Sec 6
716 Relay Module S3598 Vol. 4 Sec 6
725 Zone Expander S3598 Vol. 4 Sec 6 Zone Expander S3598 Vol. 4 Sec 6
790, 793 Keypads S3598 Vol. 4 Sec 6
462N, 462P, 481 Interface Cards S3598 Vol. 4 Sec 6
717 Annunciator Module S3598 Vol. 4 Sec 6
350, 350A, 350H Enclosures S3598 Vol. 4 Sec 6
iCOMsl Network Communicator S3598 Vol. 6 Sec 1
7070, 7070A, 7073, 7073A, 7170, 7170A, 7173, 7173A, 7570, 7570A, 7573, 7573A Keypads S3598 Vol. 6 Sec 2
521LX, 521LXT Smoke/Heat Detectors S7237 Vol. 1 Sec 1



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504-24, 504-24LX, 505-12, 505-12LX Power Supplies S7400 Vol. 1 Sec 1
1100X, 1100XH, 1100R Wireless Receiver/Repeater S3598 Vol. 6 Sec 3
1103 Wireless Transmitter S3598 Vol. 6 Sec 3
1183-135F, 1183-135R Wireless Heat Detectors S25068 Vol. 1 Sec 1
1184 Wireless CO Detector E350044 Vol. 1 Sec 1
1165, 1165H, 1165HS Wireless Smoke Detectors S7237 Vol. 1 Sec 3
1181, 1182 Wireless PIV/OS&Y S7237 Vol. 3 Sec 1
1168 Wireless Smoke & CO Detector Intertek Report # 103943634CHI-001
1100T Wireless Universal Translator Intertek Report # 104514240CHI-001
PS12-5 USL1 - Fire Alarm and Security Equipment: Power Supply S7400 Vol. 1 Sec 2
PS24-4 USL2 - Fire Alarm and Security Equipment: Power Supply S7400 Vol. 1 Sec 2

Conditions of Approval

1. All uses, configurations, arrangements and functions, applications and installations shall comply with the provisions of New York City Construction Codes, specifically Building Code Chapter 9 & 1RCNY §3616-04. Further, the installation shall be in accordance with applicable provisions of New York City Fire Code, New York City Electrical Code, manufacturer's installation requirements, and UL Standard 864.
2. When used with a central office control communicator or a transmitter, the installation and operation of the equipment and devices shall comply with 3RCNY §901-01. It shall have the capability of transmitting separate and distinct signals to indicate manual pull station alarm, automatic detection alarm, sprinkler waterflow alarm, supervisory signal indications, and trouble indications.
3. The installation of Fire Alarm Control Unit must provide for fail-safe operation. This feature must assure that control of doors, locks, ventilation fans, and elevator recall will not be rendered inoperable in the event of a fire or power failure.
4. When installed as a central station Internet (Network) communicator or transmitter both primary and secondary channels of communication shall be required and shall meet the conditions of 4.1 – 4.7. Network communication shall be used as primary channel of communication with Central Station and Cellular Communicator shall be used as the secondary channel of communication or in reverse order: Cellular Communicator as primary and Internet connection as the secondary channel.
 - 4.1. Each communication channel shall be monitoring for integrity at intervals not exceeding 24 hours
 - 4.2. Failure any channel of communication shall be annunciated at the protected premises within 5 minutes of failure
 - 4.3. When any channel of communication has failed, a trouble signal shall be sent to Central Station within 5 minutes of failure by the remained active channel.
 - 4.4. Reliability of the signal shall be achieved by any of the following:
 - 4.4.1. Signal repetition — multiple transmissions repeating the same signal
 - 4.4.2. Parity check — a mathematically check sum algorithm of a digital message that verifies correlation between transmitted and received message
 - 4.4.3. An equivalent means that provides a certainty of 99.99 percent that the received message is identical to the transmitted message
 - 4.5. The maximum duration between the initiation of an alarm signals at the protected premises, transmission of the signal, and subsequent display and recording of the alarm signal at the Central Station shall not exceed 90 seconds
 - 4.6. A spare Central Station Receiver shall be provided at the Central Station and shall be able to be switched into the place of a failed unit within 30 seconds after detection of failure
 - 4.7. All applicable requirements of Federal Communications Commission (FCC) shall be complied with.
5. DMP wireless system shall comply with Special Requirements for Low-Power Radio (Wireless) Systems (Section 23.18 of NFPA-72-2010).
6. DMP XR100/XR500 shall not be installed as part of Fire Command Center.
7. Batteries for wireless transmitters, repeaters, and detectors shall comply with Section 23.18 of NFPA72-2010 requirements.



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8. DMP XR100/XR500 is wireless system with the exception of the Auxiliary Output and NAC circuits, which are hardwired circuits that shall comply with NYC Electrical Code requirements.
9. All communication devices such as the wireless receiver and/or repeaters, control panel wiring, antenna etc. shall be installed and dedicated for communication and transmission of fire alarm system signals and shall be properly secured at all times from unauthorized use. All wiring used for wireless receiver communications shall be New York City certified plenum rated cable with a minimum temperature rating of 150°C.
10. All communication such as the network wiring from the control panel shall be installed for communication and transmission of fire alarm system signals and shall be properly secured at all times from unauthorized use. All wiring used for network communications shall be plenum rated cable with a minimum temperature rating of 150 degree Celsius and shall be installed in raceway per requirements of NYC Electrical Code Article 760.
11. The above referenced Control Units shall be used only with listed fire alarm equipment and devices with which the compatibility has been determined by Underwriters Laboratories test reports.
12. Annunciator is acceptable under the condition that this unit shall be used to acknowledge the alarm and all its control functions, including alarm silence and panel reset shall be disabled.
13. Only enclosures painted red in color shall be used.
14. Underwriters Laboratories Inc's Listing requirements and limitations shall be complied with.
15. All installations are subject to inspection, test, and approval from Fire Alarm Inspection Unit (FAIU).
16. Any change in Central Station communication service provider shall be reported to FAIU and is subject to re-inspection, test, and approval.
17. Certificate of Approval number shall be plainly and permanently stamped or otherwise fixed upon each product by the applicant.
18. The Fire Department's conditions of approval shall be enumerated in the installation manuals and brochures that will be provided to all New York City buyers and users.
19. Fire Department Certificate of Approval does not constitute an endorsement or recommendation of your product by the Fire Department but is a certification that your product is acceptable as of the date of issuance.
20. The Fire Department reserves the right to withdraw this approval at any time in the event there is a reasonable doubt that the product does not operate or perform as required by code, the conditions of this resolution or as represented in your application.
21. As the manufacturer of this product, you should be aware that any end user who fails to comply with the condition as outlined in the approval would be subject to enforcement action, which may include fines and imprisonment.
22. This Certificate of Approval does not grant the right to use any trademark associated with the New York City Fire Department (the letters FDNY, the FDNY Shield design, the FDNY Maltese Cross design, and the seal of the City of New York). The unauthorized use of trademarks in connection with the sale of commercial goods or services violates federal and state laws.

Products marked to indicate the Certificate of Approval number might refer to the "NYC Fire Department" or "NYC Fire Dept" (e.g., "NYC Fire Dept Certificate of Approval 2024-TMCOAP-007454-AMND).

Any change in company name or ownership, product name, design or model number of any product included on this certificate must



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be immediately reported to this Department in writing.

When responding to this Department regarding this subject matter, kindly refer to Record ID: 2024-TMCOAP-007454-AMND and send it to Neveen Sheiha attention, 9 MetroTech Center, #1S-76-K, phone (718) 999-0498 or e-mail: Neveen.Sheiha@fdny.nyc.gov

Very truly yours,
Neveen Sheiha
Assistant Electrical Engineer
Technology Management

By Order of,
Chief of Fire Prevention