



XR150FC/XR550FC FACP



FEATURES

- ▶ Powerful addressable fire alarm control panel (FACP)
- ▶ Proven reliability suitable for commercial and industrial installations
- ▶ Full range of zone expansion, communication, and relay output capability
- ▶ Flash updatable — locally over cell or network
- ▶ Onboard digital dialer, network communicator or optional cellular communicator

- ▶ Up to 562 two-wire smoke detector or fire initiating zones on XR550FC
- ▶ Up to 142 two-wire smoke detector or fire initiating zones on XR150FC
- ▶ Up to .5 Amps 12 VDC smoke and auxiliary output with OVC protection
- ▶ Up to .7 Amps 12 VDC supervised bell output
- ▶ Up to 506 fully programmable Form C relays
- ▶ Serial 3 Digital Dialer or CID reporting to multiple receivers
- ▶ Eight communication paths between the panel and central station
- ▶ Built-in remote or on-site firmware upgrade capability
- ▶ 12,000 event buffer
- ▶ French, Spanish and English menus available
- ▶ Multiple onboard status LEDs
- ▶ Up to 100 output schedules to control relays and panel outputs
- ▶ 32 individual reporting areas with common areas
- ▶ Built-in 32-character LED annunciator on panel door
- ▶ Output groups deliver maximum functionality with easy programming

Onboard Network

- ▶ Onboard 10/100 autosensing Ethernet or Wi-Fi connection
- ▶ Customizable check-in time and retry time
- ▶ Suitable for multi-site applications



XR150FC AND XR550FC FIRE PANELS

The XR150DFC and XR550DFC provide basic fire monitoring for any single site application. The XR150DNFC and XR550DNFC panels provide all the same basic fire monitoring as the XR150DFC and XR550DFC, enhanced by the onboard Ethernet connection that allows the use of Network Monitoring™. Both panels come fully assembled from the factory with the following components:

Control Panel

The XR150FC and XR550FC Series addressable fire panels provide complete system control for local NAC operation. Additionally, DACT, NET, or Cell communication to the central station are provided. The microprocessor-based panel also provides input for Class A zone expansion, conventional and addressable smoke detectors, pull stations, and heat detectors.

Keypad Annunciator

The Fire Command Center mounted in the door offers a 32-character full text LCD readout that displays system events and menu prompts, making it efficient and easy to use.

Transformer and Enclosure

The 16 VAC, 56 VA wire-in transformer is factory installed and features a built-in PTC for power circuit protection.

FLEXIBLE COMMUNICATION

The XR150/XR550 Series of commercial fire panels has transitioned from dialer-focused communications to a true network and cellular communications approach by providing stronger, multi-layered panel communications that ensure a constant link between the panel and central station.

The unique DMP Serial 3 format supports 16 or 32-character users, zone and area names to decrease the central station response time and limit dependence on automation literal tables for message conversion.

REMOTE ANNUNCIATOR

Install up to eight 630F remote annunciators to meet the requirements of virtually any installation.

NETWORK OR CELLULAR COMMUNICATION

Built-in 10/100 auto-sensing Ethernet connection enhances both standard and encrypted line security options. Both UDP and TCP are supported. The network option can be used as the primary or backup path to the digital dialer or cellular option.

The XR150FC and XR550FC Series panels may be used with the 263 Series Cellular Communicators as the primary path (no backup required) for commercial fire installations.

The check-in and fail time settings are programmed for five minutes. As the backup path, the 263 communicator provides the security of a communication link that continues to function, even when landlines are cut or compromised. The communicators can be used as a stand-alone communicator without the need for a backup. This interface works over a variety of carriers in the USA and Canada.

EIGHT COMMUNICATION PATHS

Configure up to eight communication paths between the panel and central station. Each path has its own panel communication programming parameters, and can be identified as either primary or backup. This enables installers to configure a reliable communication link, offering greater confidence that the panel will always be connected to the central station.

COMMUNICATION FUNCTION DIAGNOSTICS

The enhanced diagnostic menu enables technicians to check network and cellular communication status, cell signal strength, and e-mail status from the keypad.

12,000 EVENT MEMORY

Allows the user to view the last 10,000 door accesses or 2,000 system events that occurred over the past 45 days.

FIRE ZONE PROGRAMMING

Program zones for fire, fire verify, fire retard, presignal, cross zoning, or fire supervisory. This flexibility allows the ability to match individual zone characteristics to the needs of any area in the fire installation.

ZONE EXPANSION

The XR150FC and XR550FC provide up to 574 zones, programmable for a variety of fire applications. The system provides Class B 12 VDC powered zones, two on board and four on the 715 Module, plus eight panel burglary zones. Up to 64 zones are available on 16 keypad addresses, and up to 100 zones are available on each built-in LX-Bus™ using expansion modules.

FIRE VERIFY

This is used primarily for smoke detector circuits to verify the existence of an actual fire condition. When a Fire Verify zone initiates an alarm, the panel performs a Sensor Reset. If any Fire Verify zone initiates an alarm within 120 seconds after the reset, an alarm is indicated. If an alarm is initiated after another 120 seconds, the cycle is repeated.

NOTIFICATION CIRCUIT EXPANSION

Easily add NAC outputs to the XR150FC/XR550FC system. Up to three Class B modules can be mounted within the FACP. Model 865 or 866 Class B NAC Modules may be combined with a power supply to provide additional 4 Amp NAC outputs. Use an 867 on the SLC Loop to further expand NAC circuits.

FIRE DRILL AND ONE-MAN WALK TEST

Users can test fire notification bells using the Fire Drill feature. A special code is also available for installers to test the system. The One-Man Walk test allows a single technician to check the panel response to fire, burglary, panic, and supervisory zones.

BUILT-IN PROGRAMMER AND DIAGNOSTICS

No programming device is required, enabling installers and service technicians to fully program the system and run diagnostics from any DMP LCD keypad. Check the electrical state of zones, find individual zone numbers, check the LX-Bus for missing, overlapping and/or extra zones, and much more, all from any DMP LCD keypad.

FLASH UPDATABLE

The XR150FC and XR550FC panels accept software updates using Remote Link™ software. This makes it easy to perform the flash update remotely any time new panel feature updates release.

OUTPUTS

The XR150FC and XR550FC allow the use of two SPDT relay outputs and four open collector outputs, which may be activated by zone or system events, by schedule, through the User Menu, or when a card is presented. Output Groups allow multiple outputs to activate with a single event and/or can be assigned to a particular user profile.

OUTPUT SCHEDULES

Achieve maximum system flexibility with 100 programmable schedules that simplify planning and operations. Control any contact-activated device with schedules that automatically regulate relays and switched-ground outputs.

STATUS LIST

To provide maximum system flexibility, fire zones may be programmed to display at a specific keypad. In this manner, all fire zones can be monitored in one location, and other zones can be programmed to display and be monitored at different keypad locations.

REMOTE LINK

The Remote Link programming software takes advantage of the easy-to-use simplicity of Microsoft® Windows™. The XR150FC and XR550FC panels include an interface connection for installers to use to connect a laptop computer.

COMMERCIAL WIRELESS FIRE DEVICES

The list of DMP wireless devices that have earned the UL Commercial Fire Listing include:

1103 Universal Transmitter: Two-input transmitter typically used in commercial burglary door or window applications.

1100R Wireless Repeater: Extends the communication range of DMP receivers, enabling physically larger, more reliable wireless security systems.

1100X Wireless Receiver: The 1100X Receiver supports up to 500 transmitters and satisfies all wireless applications.

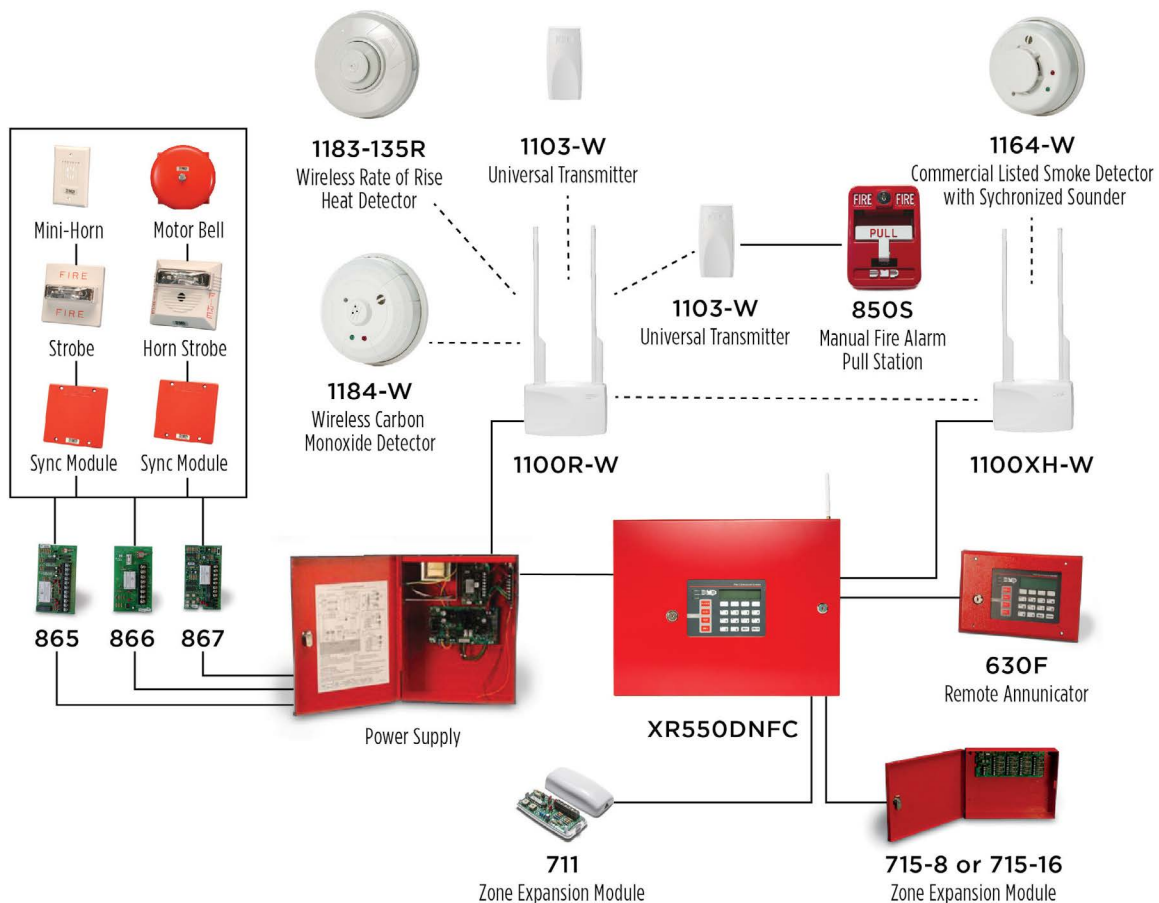
1100XH High Power Wireless Receiver: Provides additional transmit and receive amplification for improved performance at greater distance or in harsh building environments.

Commercial Smoke Detectors: The 1164 includes synchronized sounders, and a tamper switch. The 1164NS is for applications with existing sounder/notification devices.

1183 Wireless Heat Detector: The 1183 Series is a reliable, ceiling-mount heat sensor available in two versions. The 1183-135F responds if the temperature exceeds 135°. The 1183-135R adds a rate-of-rise feature that responds if the temperature increases by 15°F per minute or more.

1184 Carbon Monoxide Detector: The 1184 Carbon Monoxide Detector is the ideal choice for difficult-to-wire locations, applications where room aesthetics are critical, or where hazardous materials are present.

The sensor provides an early alert of potentially harmful levels of carbon monoxide in residential or commercial installations. In addition, it also transmits trouble, tamper, and low-battery messages to the panel.



COMPATIBILITY REFERENCE SHEET

Keypads

630F LCD Remote Fire Command

Expansion Modules

710 Bus Splitter/Repeater
 711 Single Zone Expansion
 714 4-zone Class Expansion
 714-8 8-zone Class-B Expansion
 714-16 16-zone Class-B Expansion
 715 4-zone 2-wire Smoke Expansion
 715-8 8-zone 2-wire Smoke Expansion
 715-16 16-zone 2-wire Smoke Expansion
 716 Output Expansion, 4 Form C relays, 4 Open Collector Outputs
 717 Graphic Annunciator: 20 Open Collector Outputs

Cellular Communicators

263C CDMA Cellular Communicator
 263H HSPA+ Cellular Communicator
 263HCAN HSPA+ Cellular Communicator Canada
 263LTE-V LTE Communicator for Verizon
 263LTE-A LTE AT&T **(Coming Soon)**

Auxiliary Modules

860 Relay Output Module
 865 Style W/X Notification Circuit Module
 866 Style W Notification Circuit Module
 867 LX-Bus Notification Circuit Module
 869 Style D Class A Initiating Circuit Module
 893A Dual Phone Line Module

Power Supplies

505-12/LX 5 Amps @ 12 VDC
 505-12L 5 Amps @ 12 VDC
 505-12A 5 Amps @ 12 VDC

Pull Stations

850 Series Pull Stations

Smoke/Heat Detectors

2W-BLX Conventional Smoke
 2WT-BLX Conventional Smoke/Heat

Accessories

270 Network Transient Suppressor
 277 Commercial Fire Buzzer Module
 300 Four-wire Harness

303 Silence/Reset Push Button
 305 Plug-in Output Relay
 306 Tamper Harness
 307-S Screw-On Tamper Switch
 3012 Clip-On Tamper Switch
 335 Intrusion Siren
 370 Lightning Suppressor
 374 Surge Voltage Suppressor
 381-2 18" Coax Extension
 431 Output Harness
 861 Power Distribution Module

Central Station Receivers

SCS-IR Network Enabled Receiver compatible with central station receivers that accept Standard CID, DD, or DMP Serial 3 messaging
 SCS-VR Virtual Receiver Software only solution that runs on a server for network IP and cellular communications

DMP Wireless

1100X Receiver
 1100XH High-Power Receiver
 1100R Repeater
 1103 Universal Transmitter, External Contact
 1164 Wireless Smoke Detector with Synchronized Sounder
 1164NS-W Wireless Smoke Detector with No Sounder
 1183-135F Heat Detector
 1183-135R Heat Detector
 1184 Carbon Monoxide Detector

Computer Software

Remote Link Programming Software
 Dealer Admin

System Specifications

Primary Power (included):

16 VAC 56 VA transformer

Secondary Power:

12 VDC Battery
 Models: 365, 366, 368 or 369

Output Rating:

Bell Up to .7 Amps at 12 VDC
 Smoke and Auxiliary Up to .5 Amps at 12 VDC

For installations, total bell, smoke, and auxiliary cannot exceed 1.2 Amps using a 56 VA transformer.

Current Draw:

180mA

Enclosure:

Material Cold-rolled steel (Red)

Ordering Information

XR150DFC-R XR150 Fire Control Panel
 XR150DNFC-R XR150 Fire Control Panel with Network
 XR550DFC-R XR550 Fire Control Panel
 XR550DNFC-R XR550 Fire Control Panel with Network

Listings and Approvals

California State Fire Marshal (CSFM)
 New York FDNY
 Refer to the XR150FC/XR550FC Compliance Guide (LT-1330) and specific compliance listings for installation and programming requirements necessary to meet a particular approval.

FCC Part 68
 FCC Part 15
 Underwriters Laboratories (UL) Listed
 ANSI/UL 864 Fire Protective Signaling

For additional information, go to DMP.com/Compliance.

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