XR150FC/XR550FC FACP

> 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 monitoring center 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 dialed 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 email 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.
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.
## FIRE PANELS

### 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:** 180 mA

### 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

### Certifications

- 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.

### Keypads

- 630F  LCD Remote Fire Command

### Expansion Modules

- 710  Bus Splitter/Repeater
- 711  Single Zone Expansion
- 714  4-zone Class Expansion
- 714-B  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

- 263HCAN  HSPA+ Cellular Communicator Canada
- 263LTE-V  LTE Communicator for Verizon
- 263LTE-A  LTE AT&T (New)

### 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

### Monitoring Center Receivers

- **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
- **1168**  Wireless Smoke/CO/Low Temp Detector
- **1183-135F**  Heat Detector
- **1183-135R**  Heat Detector
- **1184**  Carbon Monoxide Detector

### Computer Software

- Remote Link™ Programming Software
- Dealer Admin™

### Compatibility Reference Sheet