

5-Zone Fire Panels with Communicator



NYC
MEA



Description

The XR5FC Commercial Fire and XR5SL Slave Communicator panels from DMP are the latest in a series of innovative new fire products set to define the standard for fire alarm system performance. The XR5 panels feature built-in 2-line dialers, 500mA of auxiliary power, one Class A (Style D) zone for sprinkler supervision, four Class B (Style A) smoke detector zones, 12 or 24 VDC input, two Form C outputs, four annunciator outputs, and a 4-wire bus for remote LED or LCD annunciators.

Both panels also provide outstanding software features such as one-man walk test, passcode protected operation, cross zoning, fire verify and fire retard zone programming, built-in programmer and diagnostics, and remote upload/download capability. There's also a Fire Drill feature that allows an authorized user to sound just the system's bells for evacuation exercises. The following sections highlight the unique features of the XR5FC and XR5SL fire panels.

Communication

The XR5 panels each contain a built-in dual phone line module with line supervision and can communicate to one or two remote receivers using Synchronous Data Link Control (SDLC) digital dialer, Contact ID (CID), or 4-2 formats. You can also selectively enable alarm, supervisory/trouble, backup, and Recall Test reporting to either of the two receivers.

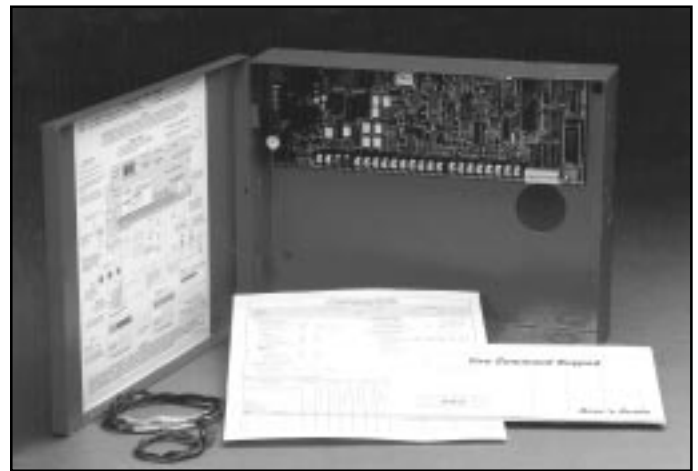
Pager Direct™ Paging

The XR5 can send Alarm and Trouble reports directly to a user's numeric pager. Pager Direct is a must-have feature for anyone needing instant updates on the status of their system.

Variety of Keypad Styles

For system annunciation, you can select from several keypad styles to meet a variety of fire system requirements. The Model 692F LED keypad provides individual alarm and trouble LEDs as well as power, system trouble, and silenced LEDs along with a full function, backlit keyboard. You can also choose from 770, 690F, or 790F series alphanumeric keypads. Both LED and alphanumeric keypads meet all requirements for local system operation.

For slave communicator applications, an enclosure door mounted Model 377 Trouble Annunciator Module provides Trouble and System OK LEDs with audible alert and a Silence button for acknowledging trouble conditions. This module is included with the XR5SL.



System Features

- One Class A (Style D) waterflow zone
- Four Class B (Style A) 2-wire smoke detector zones
- 100mA 12 VDC switched 4-wire smoke power (XR5FC)
- Two Form C relay outputs
- Four open collector outputs for annunciation
- Built-in dual phone line module with line monitoring
- Built-in bell circuit trouble monitor, connects to Model 865 or 866 Notification Circuit Modules
- 1.5 Amp alarm bell output (XR5FC)
- 500mA auxiliary output
- Operates on 16 VAC or 24 VDC primary power and 12 VDC secondary power
- Compatible with a variety of LED and LCD keypads
- One man Walk Test
- Fire Drill feature for practice evacuations
- DMP SDLC, Contact ID, or 4-2 communication
- Programmable reporting to one or two central stations
- Remote upload/download with Remote Link™
- Individual zone programming for fire, fire verification, retard delay, cross zoning, and fire supervisory
- Cross zoning between any zones
- Swinger bypass option on all zones
- Inherent power limited circuits
- 4-wire keypad and annunciator circuit
- Built-in plain English programming from any keypad
- 16 event history can be viewed from any alpha keypad
- Pager Direct™ communication to numeric pagers
- Automatic Recall Test reporting
- Automatic Standby Battery Test

One Man Walk Test Feature

You can now conduct one-man tests of the system and all connected devices using the Walk Test feature. A fire technician simply enters an access code into the keypad and the XR5 panels automatically enter the test mode. Each time a zone is tripped during the test, the bell rings for two seconds and a Sensor Reset is automatically performed to reset any latched detectors. When the test is completed, the results are displayed at the keypad and can be sent to the central station.

Remote Programming

You can remote program the XR5 panels using Remote Link™ programming software from DMP to load programs into new accounts or make copies of existing programs. You can also upload the 16 event memory for diagnostic purposes.

Built-in Programmer

The XR5 panels also contain an internal English text Programmer that allows installers and service technicians to easily program and test the panels from an alphanumeric keypad connected to the remote annunciator bus.

Powerful False Alarm Reduction Features

The built-in false alarm reduction features include Cross Zoning, Fire Verification, Fire Retard, and CleanMe™ reporting. Cross zoning allows multiple zones to report alarms only when two or more are tripped. Should just one zone trip, a zone fault report is sent to the central station.

Fire Verification provides a 120 second window during which a smoke detector can trip, be automatically reset, and then must trip a second time before an alarm is indicated. A single trip on the zone sends just a zone fault report to the central station.

Fire Retard allows a programmable time of up to 250 seconds for waterflow detection. This eliminates the need for additional mechanical delays at the flowswitch.

AC or DC Power Input

The XR5 panels operate on either 16 VAC from a wire-in transformer or 24 VDC from a main Fire Alarm Control Panel (FACP). This allows the panels to be used as stand alone communicators or FACPs. When powered from the 24 VDC input of a larger FACP, the panels can operate as slave communicators with 12 VDC auxiliary output capability.

Annunciator Outputs

Four open collector annunciator outputs and two optional Form C dry contact relays are provided on the XR5 panels for a variety of remote control and annunciation applications.

Listings and Approvals

- Underwriters Laboratories - S3598 UL864
- NFPA 72 Central Station
- NFPA 72 Local Protective Signaling
- NFPA 72 Remote Station Protective Signaling
- California State Fire Marshal - 7165-1157:104
- NYC MEA - 168-93-E

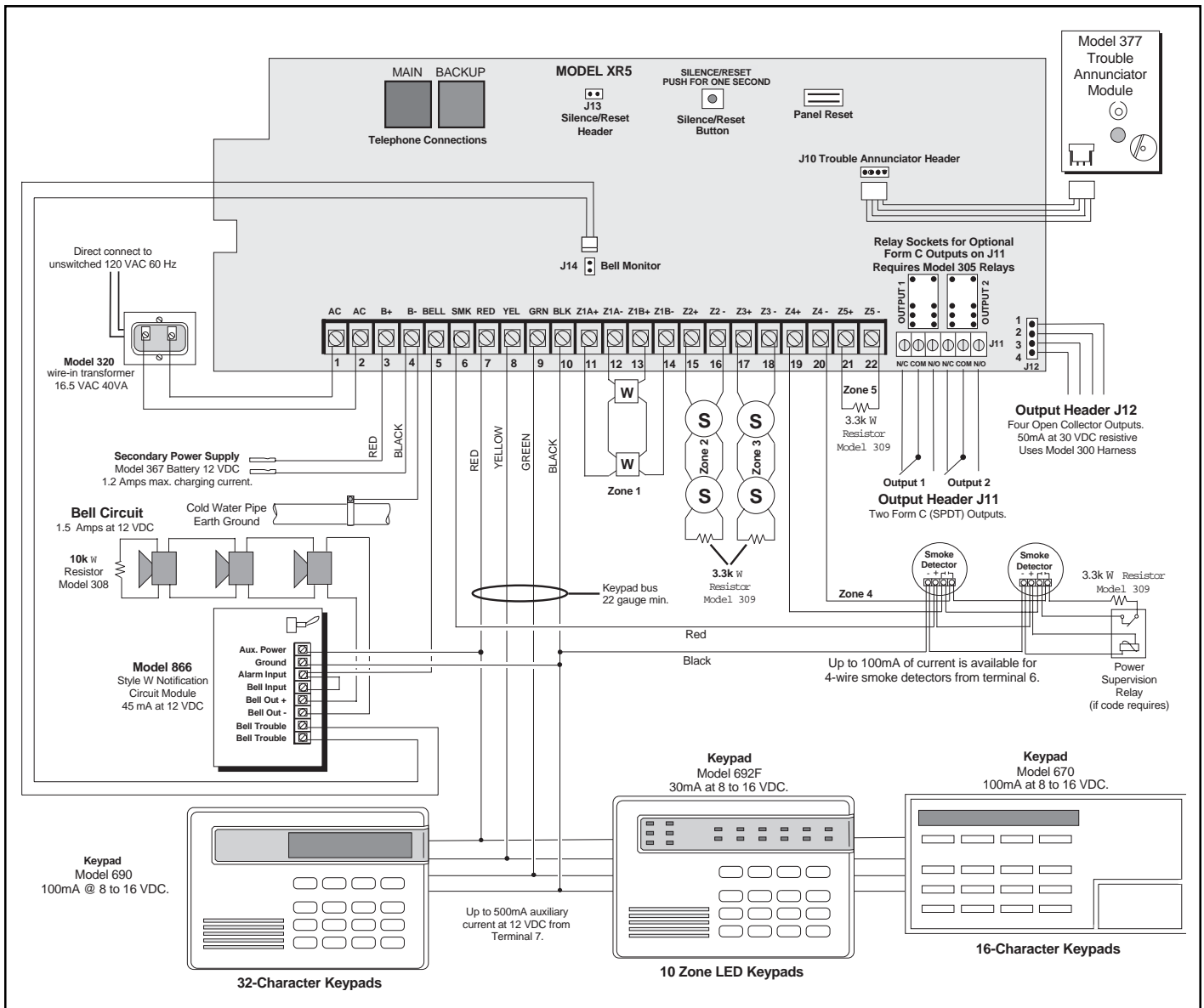
XR5FC Package Contents

Qty	Model	Description
1	XR5FC	Fire Command Processor PCB
1	340-81	Medium red panel enclosure
1	866	Style W Notification Module
1	692F-81*	Fire Command LED display keypad
2	356-7	RJ Phone cable, 7 ft. cord
1	320	16 VAC, 40VA Wire-in transformer

* XR5FC-690 Package contains 690F-81 LCD Keypad

Panel Accessories

Model	Description
300	Plug-in open collector output harness
305	Plug-in output relay
318	Dual Battery Harness
320	16.5 VAC 40VA wire-in transformer
367	12 VDC 7.0 Ah battery
370RJ	Lightning Suppressor with dual RJ jacks
377	Trouble Annunciator Module (included with XR5SL)
521B	2-wire smoke detector
521BXT	2-wire smoke detector w/rate-of-rise heat detector
601	Heat detector w/rate of rise 135F
602	Heat detector w/rate of rise 200F
603	Heat detector w/fixed temp 135F
604	Heat detector w/fixed temp 200F
690F-81	Red 32-char. Fire Command LCD keypad
692F-81	Red 5-zone Fire Command LED keypad
770-81	Red 16-char. vacuum fluorescent keypad
801	Piezoelectric Mini Horn
802	Multitone Notification Appliance
803	Horn Appliance
806	Motor Bell
821	Sync/Non-sync Strobe
822	Sync/Non-sync Strobe Plate
823	Horn/Strobe Appliance
831	Single Sync Module
832	Dual Sync Module
850D	Dual Action Fire Alarm Pull Station
850S	Single Action Fire Alarm Pull Station
865	Style Y or Z Notification Circuit Module
866	Style W Notification Circuit Module
SLR-835B	Hochiki 8-35 VDC smoke detector



XR5FC System Configuration Diagram

Specifications

Primary Power	16.5 VAC 40VA transformer (Model 320)
Secondary Power	12 VDC 7.0 Ah battery (Model 367)
Auxiliary Output	500mA at 12 VDC
Alarm Output	1.5 Amps at 12 VDC (XR5FC)
Smoke Output	100mA at 12 VDC (XR5FC)
Annunciator Outputs	50mA each (switched ground)
Dimensions	12.5" x 9.5" x 3.75"

