42-Zone Burglary/Fire Control Panel

Description

Providing the highest example for burglary/fire panels, the DMP XR40 Command Processor™ delivers more expandability and features than any panel in its class. The XR40 can be expanded to 42 zones by adding hardwire or 300 and 900 MHz wireless zones to meet the protection requirements of any mid-range and high-end residential or commercial installation.

For all residential and commercial applications the XR40 provides ten on-board zones, one 2-wire smoke detector zone, access control capability, Pager Direct™ paging, 64 user codes, and daily opening/closing and relay output schedules.

Communication

The XR40 blocks the competition with the ability to communicate using DMP Synchronous Data Link Control (SDLC) digital dialer, cellular, 4-2, CID, or Modem IIe reporting to one or two receivers. You can also use the Transmit Delay, Exit Error, Cross Zoning, and Abort Reports features for superior False Alarm Reduction.

Area, All/Perim, or Home/Sleep/Away Arming

The XR40 allows you to configure the system for Area arming with four separate areas, All/Perimeter arming with Perimeter and Interior areas, or Home/Sleep/Away arming with Perimeter, Interior, and a Bedroom area. Users can arm the Perimeter and Interior at night while leaving the Bedroom area disarmed.

32 Expansion Zones/Eight Keypad Addresses

Eight supervised addresses are available on the keypad bus. Four zones are provided per address to allow 32 expansion zones using keypads, zone expanders, or wireless. Each zone can be programmed for multiple zone types including burglary or fire.

Premise Wireless

The XR40 provides up to 16 zones of premises wireless protection by adding the Model FA426 Wireless Receiver. The FA426 accepts a wide assortment of 900 MHz wireless transmitters, PIRs, glassbreaks, and smoke detectors. Also add the Model 738A Ademco Wireless Interface Module to support 32 points of 300MHz wireless products.

Pager Direct™ Paging

The XR40 can send Alarm, Trouble, Opening, Closing, and Check-in reports directly to users through their pagers. This is a must feature for anyone needing instant updates on the status of their system or for working parents wanting to confirm their children have arrived safely home from school.

The XR40 communicates in a half-duplex mode with a Glenayre alphanumeric pager terminal. The terminal modem must accept the following parameters:

- 300 bps Bell 103 protocol
- Carrier detect response time = 300ms
- Delay between lost carrier and hangup = 12.0 seconds

Access Control

The XR40 also supports the 791, and 793 Easy Entry™ Keypads with built-in and external proximity or magnetic stripe access control readers. Users can enjoy the benefits of codeless arming and disarming of the system without compromising security.

System Features

- Ten on-board zones
- One 2-wire smoke detector zone
- Expandable to 42 zones by adding hardwire or wireless expansion zones
- 1.5 Amp bell output
- 600mA aux. output, 100mA is switched smoke detector output
- 64 user codes with four authority levels
- Arm only and temporary user code option
- Optional Ambush code
- Area, All/Perimeter, and Home/Sleep/Away modes
- Automatic arming and disarming
- Remote arm and disarm from any telephone
- Built-in clock adjustable from keypads
- Open/Close schedules with Closing Check
- Built-in English text programming from any keypad
- Remote program/download with Remote Access™
- Supports 791 keypad and proximity or mag readers
- Supports 793 keypads with built-in proximity reader
- Four outputs for annunciation and control applications
- Compatible with Model 860 Relay Output module
- Cross zoning between zones to reduce false alarms
- Individual zone options for instant, delay, priority, fire, fire verification, panic, swinger bypass, cross zoning, and fire supervisory
- 16-character zone and area names
- Review up to 140 event history displays from keypad
- Alternate reporting to 2 central station receivers
- SDLC digital dialer, 4-2, CID, and Modem IIe reporting
- Secure-Com™ Cellular communication
- Pager Direct™ reporting to customers' pagers
- Up to 60 second Transmit Delay to reduce false alarms
- Abort reports to reduce false alarms
- System test by user
- Zone Activity Check monitors people living alone
- Armed Activity Check monitors number of days since user has armed or disarmed system

Cross Zoning

This powerful, false alarm reduction feature allows multiple zones to be cross zoned and report alarms only when two or more are faulted within a programmable time of 1 to 250 seconds. Should just one zone trip, only a zone fault report is sent to the central station.

Event Memory

The XR40 logs up to 140 user and system events in memory that you can view at any time through a keypad User Menu option. The Display Events feature allows users to view stored openings and closings, zone events, user code changes, and supervisory events.

Annunciator Outputs

The XR40 provides four open collector outputs that can be used for a variety of remote control and annunciation applications. Each output is rated for 50mA maximum. Add the model 860 Relay Expansion module to provide four Form C Relay contacts. Each relay is rated at 42mA and easily mounts inside the XR40 enclosure.

Security Command® Keypads

The XR40 allows you to connect any number of alphanumeric and LED keypads to the panel with the ability to supervise up to eight alphanumeric Security Command keypads.

User Codes

You can program up to 64 user codes in the XR40 panel and assign either a Scheduled, Limited, Standard or Master authority level to control each user's level of access to the system. User code number one can also be programmed as a special Ambush code that sends a silent alarm when entered at a Security Command keypad.

Panic Button Keypads

The XR40 panel also supports the DMP Security Command keypads with 2-button panic keys. These alphanumeric keypads allow users to send Police, Emergency, or Fire reports to the central station just by pressing two clearly labeled keypad buttons.

Remote Programming

You can remote program XR40 panels using Remote Access™ programming software from DMP. You can load programs into new accounts or make copies of existing programs. You can also copy event logs for diagnostics.

Built-in Programmer

The XR40 contains an internal English text Programmer that allows installers and service technicians to easily program and test the panel from any keypad. A special lockout code restricts access to only authorized persons.

Listings and Approvals

- CSFM - Pending as of 12/99
- UL - Pending as of 12/99

UL365	Police Connected Burglar
UL1023	Household Burglar
UL1610	Central Station Burglar
UL609	Local Burglar
UL1076	Proprietary Burglar
UL1635	Digital Burglar
UL985	Household Fire Warning

Panel 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
Smoke Output	100mA at 12 VDC
Annunciator Outputs (4)	50mA each (switched ground)
Dimensions (XR40)	12.5" x 9.5" x 2.75"
Dimensions (XR40M)	12.5" x 11.5" x 3.0"
Enclosure	20 gauge cold rolled steel

Security Command® Keypads

Model	Description
670	16-char. flourescent display keypad
690	32-char. LCD keypad
692	10-zone LED keypad, Panic keys
770	16-char. flourescent display keypad, 4 zones
771	16-char. flourescent keypad, 4 zones, door relay
790	32-char. LCD, 4 zones
791	32-char. LCD, 4 zones, door relay, Wiegand input
793	32-char. LCD, integral prox reader, 4 zones, door relay

Panel Accessories

Model	Description
300	Plug-in open collector output harness
320	16.5 VAC 40VA wire-in transformer
321	16.5 VAC 40VA plug-in transformer
350A	Optional Attack Resistant 18 gauge enclosure
367	12 VDC 7.0 Ah battery
370RJ	Lightning Suppressor with dual RJ jacks
FA426	900 MHz Wireless Receiver
714	Zone Expander (4) Class B zones
714-8/16	Zone Expander (8 or 16) Class B zones
715	Zone Expander (4) 2-wire smoke detectors
715-8/16	Zone Expander (8 or 16) 2-wire smoke detectors
733	Wiegand Interface Module
738A	Ademco Interface Module
860	Relay output expander
MP-5365	Narrow styled proximity reader for door mullions
PP-6005	ProxPoint proximity reader
PR-5355	Single gang mounting proximity reader
TL-5395	Switch plate mounting proximity reader
1326	Credit card size, flexible proximity card
1346	Tough, plastic key chain proximity device
1386	Credit card size, flexible proximity card
570	Easy Entry RF series receiver
575	Easy Entry RF series key ring transmitter
580	Easy Entry magnetic stripe reader
585	Easy Entry magnetic stripe card
SLR-835B	Hochiki 8-35 VDC photoelectric smoke detector
VPL-12	Verifier Plus 2-Way listen-in voice module
MC-42	Remote Microphone
RMC-12	Remote Microphone mounted on phone plate
RSM-12	Remote Speaker/Microphone unit

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