

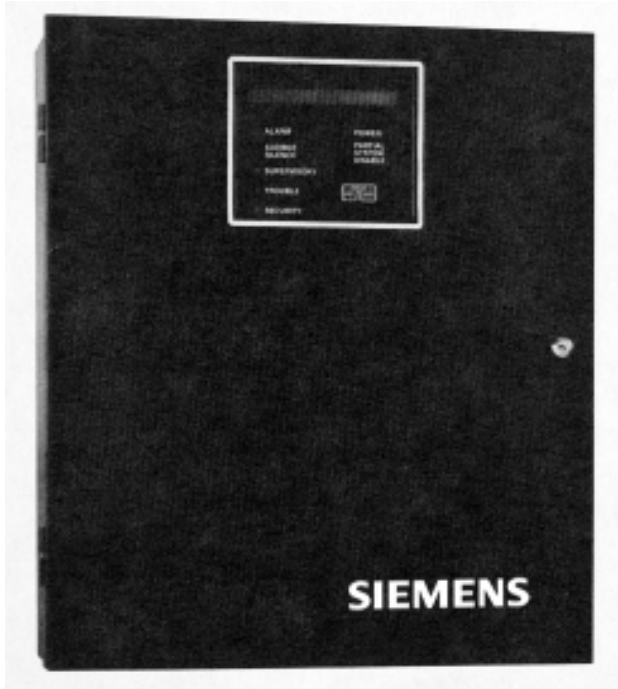
SIEMENS MXL-IQ

Fire Safety

Advanced Life Safety System

ENGINEER AND ARCHITECT SPECIFICATIONS

- **FirePrint™** Application Specific Fire Detection
- Capacity for up to 240 Intelligent Analog Detectors
- Expandable Up to a Stand Alone System Capacity of 998 Input and Output Points
- Dynamic Supervision of Intelligent Devices
- Security Device Monitoring
- Sprinkler Supervision
- Intelligent/Analog Detection Circuits, Style 6 (Class A) or Style 4 (Class B)
- Detector Sensitivity Read-out/Printout per NFPA 72 Chapter 7
- Style D (Class A) or Style B (Class B) Conventional Initiating Circuits
- Style Z (Class A) or Style Y (Class B) Notification Appliance Circuits
- Degrade Mode Operation
- Distributed Processing
- 80 Character Backlit Alphanumeric Display
- Supervised Remote Printer
- 32 Character Device Custom Messages
- Multiple Command Stations
- **Compare System Software**
- Fully Field Programmable Via Laptop Computer
- Menu Driven Operator Commands
- Central Architecture
- 800 Event History Logging With On Line & Off Line Reports
- User Help Screens
- Multiple Levels of Password Protection
- One Person Walk Test by Zone or System
- Automatic Environmental Compensation for Smoke Detectors



- Alarm Verification by Device or Zone
- Logic Controlled Output Functions
- Time Base Controlled Output Functions
- Holiday Schedule
- City Tie/Lease Line
- Coded Outputs
- Supervised Serial Annunciator Driver/Input Interface
- Interactive VDT - Monochrome & Color
- Color Graphics Option
- Complies with NFPA 72
- NEC 760 Power Limited Circuits (UL 864 Compliant)
- 16 Gauge Steel Enclosure
- Pre-action Releasing and Deluge (NFPA 13)
- **FM** Approved for Intrinsically Safe Applications
- **FM** Approved for Sprinkler and Deluge Applications
- Pre-alarm Operation
- Halon and Sinorix™ Releasing Approval (NFPA 12A and NFPA 2001)
- Intelligent Link to Air Sampling Detection Systems
- Multi-Language Display
- Intelligent Interface to Building Management Systems
- Operates as an Interactive Peer with Other MXL-IQs, MXLs or MXLVs in a LifeLINK Network
- CXL Command Center Monitoring
- **UL** Listed, ULC Listed, FM, CSFM, NYMEA, and City of Chicago Approved
- FireFinder Graphics

Description

The MXL-IQ is a microprocessor based advanced Life Safety system. Its use of unique multiprocessor "Network" design along with its ability to utilize both intelligent analog and conventional detection devices make it the most flexible and reliable system in the life safety field. The MXL-IQ is the system for projects such as schools, nursing homes, small office buildings, strip malls, hotels, apartment buildings and dormitories.

MXL-IQ is designed for stand alone or networked special hazard applications that call for extinguishing agent releasing (Sinorix™, Halon, Pre-Action Sprinkler or Deluge). MXL-IQ provides the earliest detection possible via its intelligent link to air sampling detection systems. It complies with the requirements of NFPA 72. It is UL 864 and UL 1076 security listed. It is also UL listed for agent releasing per NFPA 12A and NFPA 13.

CATALOG NUMBER **5054**

The basic MXLIQ control unit consists of the following subassemblies: SMB-2 Main Control Board; MPS-6 Power Supply; MKB-4 Annunciator and Keyboard; MSE-3L Enclosure. Optional modules which can be installed with the MXLIQ System include: MPS-12 Power Supply; MOM-2 or MOM-4 Expansion Card Cage; CRM-4 Controllable Relay Module; CZM-4 Conventional Zone Module; CSM-4 Controllable Signal Module; PIM-1 Peripheral Interface Module; CMI-300 CXL Modem Interface Module; NIM-1R LifeLINK Network Interface Module; MOD-16 Output Driver; MOI-7 Network Interface; MID-16 Input Module; MXL-VDT Interactive Video Display Terminal; MXL-G Color Graphic; MXL-GT Color Terminal; a full range of intelligent/analog detectors and devices (see table 1).

SMB-2 Main Control Board

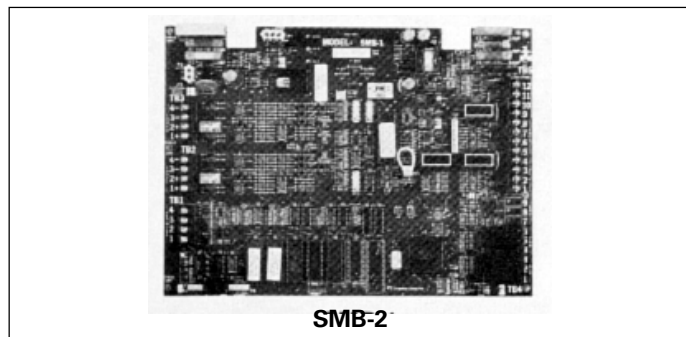
The function control of the MXLIQ is contained on the SMB-2 Main Control Board. The on board 16 bit microprocessor along with nonvolatile EPROM and Flash memory allow the system to be custom configured to meet a wide range of customer requirements. The SMB-2 controls operating sequences and monitors input device identity, detector sensitivity, network communication and operator commands entered through the MKB-4 Annunciator/Keyboard. The SMB-2 also provides 2 ALD (Analog Loop Driver) circuits. Each ALD loop can be configured as Style 4 (Class B) or Style 6 (Class A) and can monitor and control up to 60 Siemens Fire Safety intelligent input devices and 60 programmable device output relays.

The SMB-2 is equipped with 2 programmable and codeable Style Y (Class B) or Style Z (Class A) notification appliance circuits. Each circuit can activate up to 1.5 amps of listed audible or visual notification appliances.

Auxiliary relays are provided for external monitoring for Common System Alarm, and Common System Trouble.

The SMB-2 includes a built-in battery charger and transfer circuit. The charger is microprocessor controlled and incorporates a brown out circuit which switches the system to optional standby batteries during loss or reduction of the primary source AC. Upon command, the system is capable of displaying the real time battery voltage, AC voltage, charge current and other power data on the MKB-4 Alphanumeric display. It also includes a 1 Amp, 24 VDC, output.

The SMB-2 is fully FIELD PROGRAMMABLE off line using a laptop computer. Complete system configuration can be easily uploaded, downloaded or edited using CSGM custom programming software. Program options include but are not limited to smoke detector environmental compensation, Detector Pre-alarm, History Logging, Output Control by Event; Check and Change Time Based



Control, Detector Sensitivity, Alarm Verification by Device or Zone, 32 Character Custom Alphanumeric Messages per device, System Operation Passwords and NAC Coding. The SMB-2 provides a port for connection of the programming laptop computer.

MKB-4 Annunciator/Keypad

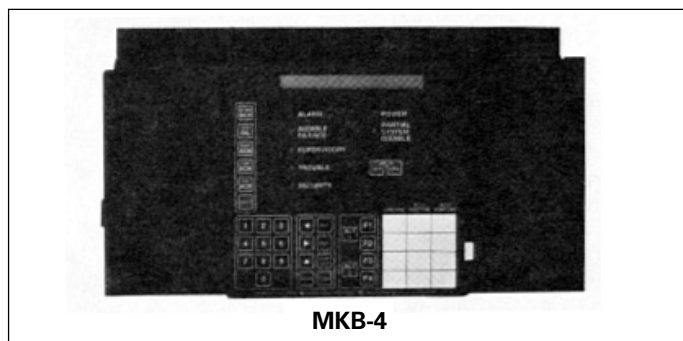
The MKB-4 mounts on a hinged frame in the MSE-3L enclosure and provides an 80 character backlit LCD alphanumeric annunciator which continuously scrolls to display information concerning system status along with 32 character user defined device messages. When multiple events occur, the MKB-4 displays the last event of the highest priority. Additional data can be viewed by depressing the NEXT key. At any time, the display scroll can be stopped by depressing the HOLD button. Switches are provided for acknowledging fire alarms, supervisories, security conditions, and system troubles. An individual switch is also provided for silencing the system notification appliance circuits. A separate switch is used for resetting the control panel.

A 10 digit numeric keypad is supplied to allow entry of the user passwords, as well as perform a wide variety of specific menu driven operation, programming and maintenance functions.

A set of 12 user assignable "Function" keys provide single button access to a variety of system commands. These switches may be used to perform system operation such as "Drill," manual relay control, zone disconnect, etc.

Contained on the MKB-4 annunciator are system status indicator LED's which can function even if the main system microprocessor fails. They provide indication of Main Power On, Fire Alarm, Security Condition, System Trouble, Supervisories, System Audibles Active/Silenced and Partial System Disable.

The MKB-4 Annunciator communicates with the SMB-1 Main Control Board through the system network link.



MPS-6 Power Supply

The MPS-6 is a fully supervised power supply which provides the system with primary DC power. It is rated at 6.5 Amps and is unfiltered and unregulated. It supplies the MXLIQ Control Unit and its expansion modules with power required for normal operation. The unit incorporates a resettable circuit breaker on the primary input and includes a built in AC line filter for surge and noise suppression. The MPS-6 mounts in the MXLIQ enclosure backbox. (MSE-3L)



MPS-6

MPS-12 Power Supply

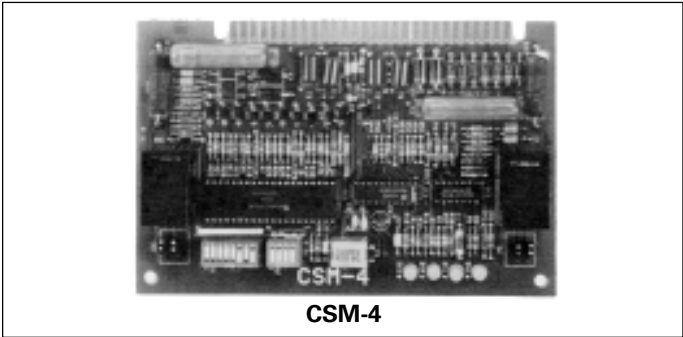
The MPS-12 is a fully supervised power supply which provides the system with primary DC power. It is rated at 12 Amps. and is unfiltered and unregulated. It supplies the MXLIQ Control Unit and their expansion modules with power required for normal operation. The unit incorporates a resettable circuit breaker on the primary input and includes a built-in AC line filter for surge and noise suppression. The MPS-12 mounts in the MXL enclosure backbox.



MPS-12

CSM-4 Controllable Signal Module

The Controllable Signal Module CSM-4 provides two fully supervised, programmable notification appliance circuits. The CSM-4 supplies two Class B (Style Y) or Class A (Style Z) type output circuits for the supervision and control of listed audible or visual notification appliances such as horns, bells, strobes, etc. Each circuit can provide up to 1.5 Amps (24 VDC) of current to power notification appliances. CSM-4 is also used for pre-action or deluge application as well as for applications that call for municipal tie or leased line operation. Sinorix™ and Halon cylinder solenoid activation is also controlled by the CSM-4.

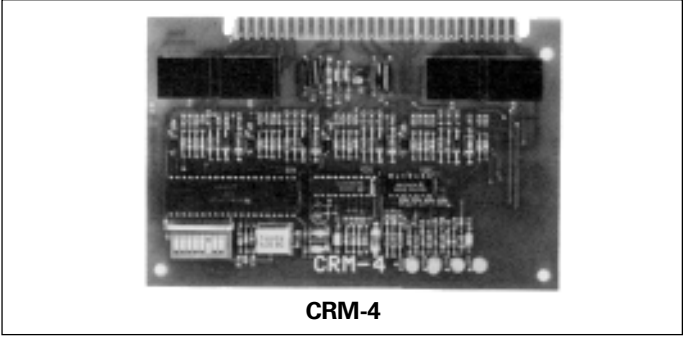


CSM-4

CRM-4 Controllable Relay Module

The Controllable Relay Module CRM-4 is designed to provide auxiliary control of building functions such as door holder release, elevator capture, smoke control, lock release, etc. The CRM-4 plugs into one of the slots in the

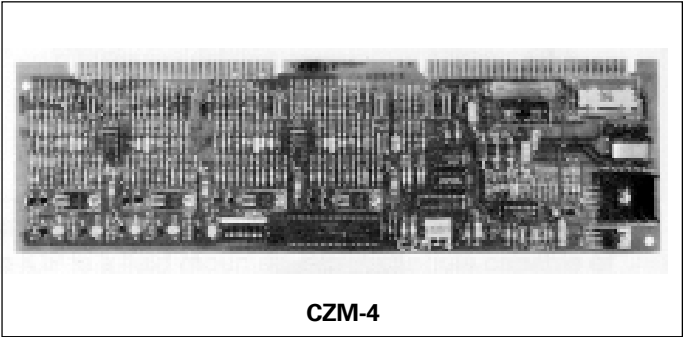
MOM-2 or MOM-4 expansion card cage. It provides four fully programmable relays. Each relay contains one set of SPDT contacts rated at 2 Amps 30 VDC/120 VAC resistive.



CRM-4

CZM-4 Conventional Zone Module

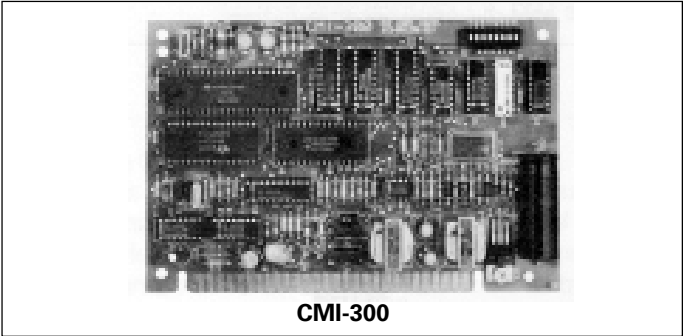
The Conventional Zone Module CZM-4 is used with the MXLIQ to provide four Class A (Style D) or Class B (Style B) conventional initiating device circuits. Each circuit can monitor up to 30 Siemens Building Technologies, Inc. Fire Safety two wire photoelectric or ionization smoke detectors and an unlimited number of normally open contact devices. Projected Beam Detectors may also be used. The CZM-4 circuits will support the use of detector relay bases, and remote indicator lamps. Activation of any device on a circuit will initiate a zone alarm condition resulting in the operation of programmed functions. The CZM-4 module plugs into one slot in the MOM-2 or MOM-4 expansion card cage.



CZM-4

CMI-300 CXL/MXL Interface Module

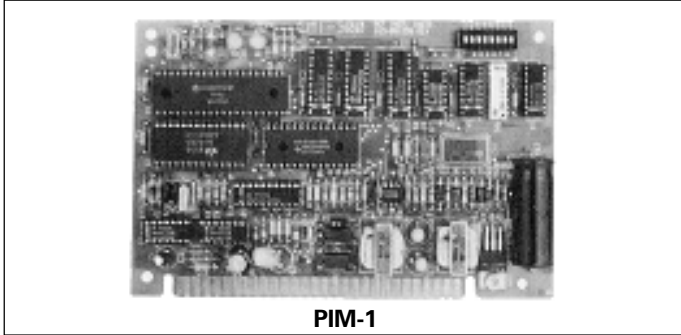
The CMI-300 is an MXLIQ option module which provides modem communication between an MXLIQ and a CXL system. The CMI-300 plugs into one of the slots on a MOM-2 or MOM-4 card cage. This interface board translates signals between the MXLIQ and the CXL and fully supervises the signals.



CMI-300

PIM-1 Interface Module

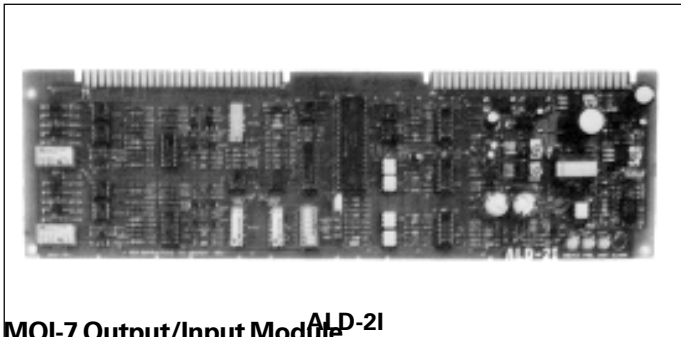
The PIM-1 is an MXL-IQ option module which provides a bi-directional isolated RS-232 port for connection to peripheral devices such as printers, CRT's, VDT's, diagnostics, pocket pagers and Color Graphics. The PIM-1 mounts on the MKB-4. It connects to the SMB-1 and provides a screw terminal block for connection of RS-232 devices. A number of supervised and non-supervised formats are available.



PIM-1

ALD-2I Analog Loop Driver

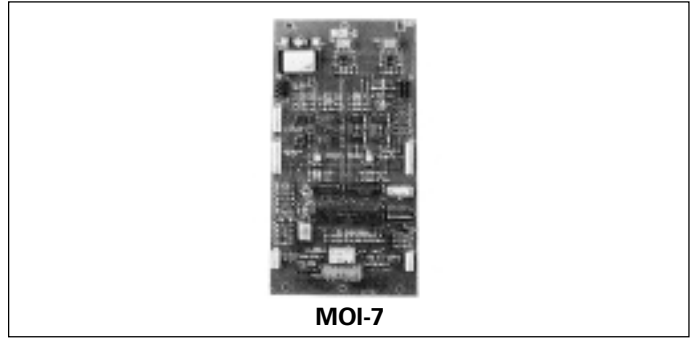
The ALD-2I is an MXL-IQ Network option module which supplies two intelligent analog circuits utilizing Fire Safety "I" type intelligent devices. It occupies two addresses on the MXL-IQ local network and through the use of a unique communication protocol, devices connected to the ALD-2I circuits are dynamically supervised by the MXL-IQ control panel. Up to 60 programmable input and output devices may be connected to each of its two circuits. Each circuit may be wired as Style 4 or Style 6. See Table 1 for a list of compatible devices.



ALD-2I
MOI-7 Output/Input Module

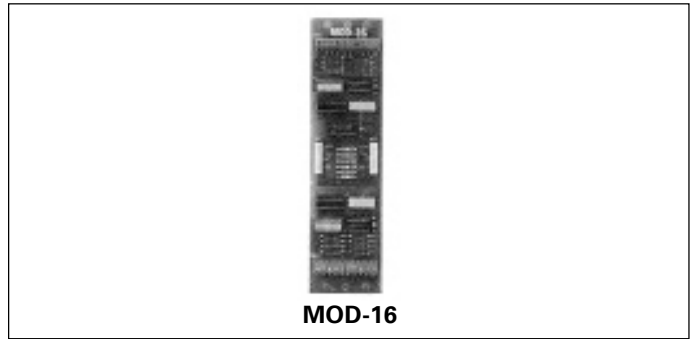
The MOI-7 is an MXL-IQ RS-485 Network module which provides a fully programmable serial interface to the MOD-16 output drivers and MID-16 input drivers. When used with the MOD-16's, it provides a serial annunciator or relay driver. When used with MID-16, it provides programmable inputs. Each MOI-7 can operate up to eight MOD-16's and eight MID-16's simultaneously. Each MOD-16 output and MID-16 input is independently programmable via the MXL-IQ custom software.

MOD-16 Output Driver



MOI-7

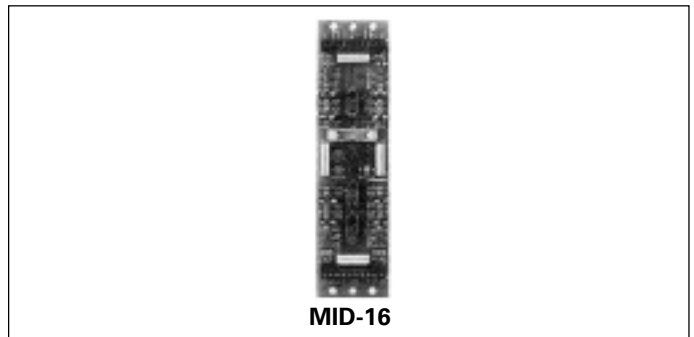
The MOD-16 is an output driver module used in conjunction with the MOI-7 as a part of the Fire Safety MXL-IQ System. Up to eight (8) MOD-16s can be connected to an MOI-7 interface module. Each MOD-16 provides 16 open collector current sinking outputs rated at 24VDC, 50mA. MOD-16 outputs are programmable through the MXL-IQ custom software.



MOD-16

MID-16 Programmable Input Driver

The MID-16 is an input module used in conjunction with the MOI-7 as a part of the Fire Safety MXL-IQ System. Up to eight MID-16s can be connected to a single MOI-7 along with eight MOD-16 output driver modules. Each MID-16 provides a non-supervised input which can monitor contact devices. Each individual MID-16 input can be separately used as a part of the MXL-IQ custom programming logic. These inputs can be individually set for either Alarm, Supervisory, Trouble, Security or Status usage. They can also be configured to provide supervision for lamps driven by MOD-16 outputs. Screw terminals and connectors are provided on the MID-16 modules for interface to monitored devices.



MID-16

MXL-VDT Interactive Video Display Terminal

The MXL-VDT is a 14" amber monitor with detachable keyboard. It provides an interactive terminal for secondary display of MXL-IQ information, and operation of MXL-IQ functions such as Acknowledge, Silence and Reset, as well as arming and disarming devices. It also provides a means for generating system reports such as listing smoke detector sensitivity settings and voltages, battery and power supply voltages and current and displaying the history event log. An unsupervised printer may be connected to the MXL-VDT.



MXL-VDT

RCC-1 Remote Command Console

The RCC-1 is a remotely located MXL-IQ annunciator display module. The RCC-1 contains an 80 character LCD display and control keypad (MKB) and a PS-5N7 network interface. RCC-1s can be located anywhere that control or annunciation is required. RCC-1 can be programmed for display only or can provide display and system control. If a PIM-1 is added to the RCC-1, remote printers, VDT, or graphics computers can be located throughout a facility.



RCC-1

RCC-2 Remote Command Console

The RCC-2 is a remotely located MXL-IQ annunciator display module mounted in a small enclosure (8-1/2" W x 7" H x 2-7/8" D). The RCC-2 can be located anywhere that control or annunciation are required. It contains an 80 character LCD display, a control keypad for system controls, and a PS-5N7 network interface. No function keys are included with the RCC-2. It can be programmed for display and control or display only. If a PIM-1 is added to the RCC-2, remote printers, VDT, or graphics computers can be located throughout a facility.



RCC-2

RSE-1 Remote Serial Enclosure

The RSE-1 is a remotely located MXL-IQ module that allows a connection to a printer, video display terminal, alphanumeric pager interface, or remote diagnostic module. It contains an annunciator board and a PS-5N7 interface board, with space in the enclosure for a PIM-1 printer driver board.



RSE-1

PIM-2 Parallel Printer Interface

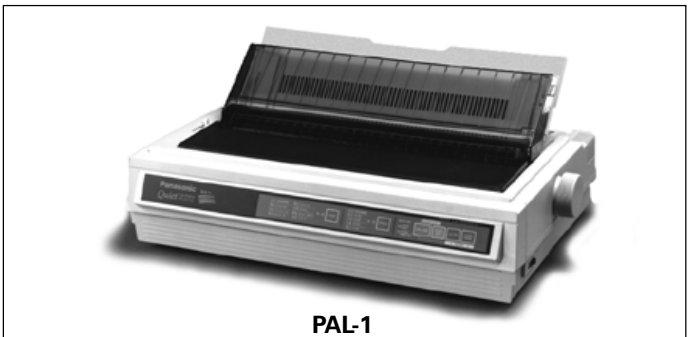
The PIM-2 is an MXL-IQ or CXL parallel printer interface module. PIM-2 connects to PIM-1 to allow MXL-IQ connection and supervision of any EDP listed printer.



PIM-2

PAL-1 UL Listed Parallel Printer

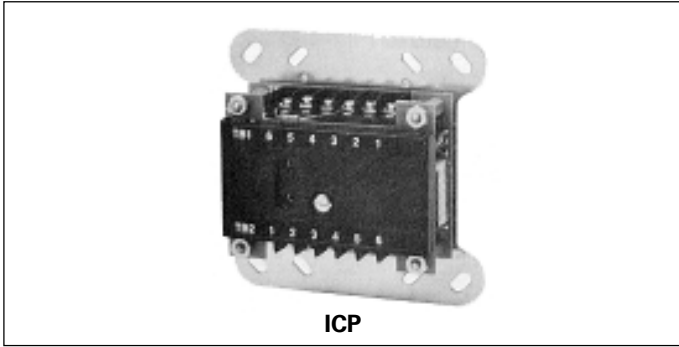
The PAL-1 is a UL listed supervised parallel system printer for MXL-IQ or CXL. The PAL-1 connects to the PIM-2 and PIM-1 to provide MXL-IQ with a UL listed parallel printer that is supervised.



PAL-1

ICP-B6 Intelligent Control Point

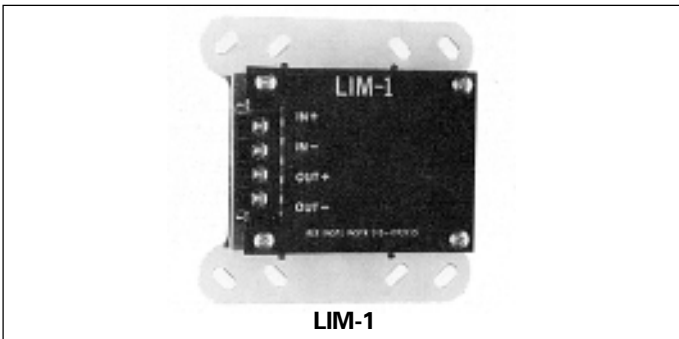
The ICP-B6 is a field mounted output module capable of being programmed to be either a remote bell, horn, or strobe circuit. The ICP-B6 communicates with the MXL-IQ via the ALD loop.



ICP

LIM-1 Line Isolator Module

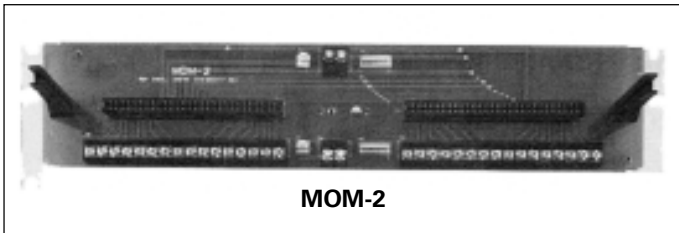
The LIM-1 is a short circuit isolator module for use on the MXL-IQ's analog loops. The LIM-1 is capable of providing Style 4, Style 6 wiring of ALD loops. Multiple short circuit isolators can be used on a single ALD loop to prevent loss of protection in the event of a short circuit.



LIM-1

MOM-2 Network Option Module Card Cage

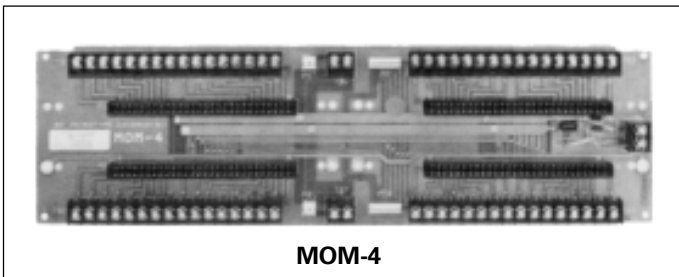
The MOM-2 provides the MXL-IQ main unit with card slots for optional modules. Each MOM-2 provides space for one full-width (ALD-2I, NIM-1W or CZM-4) or two half-width option modules (CSM-4, CRM-4, CMI-300, REP-1).



MOM-2

MOM-4 Network Option Module Card Cage

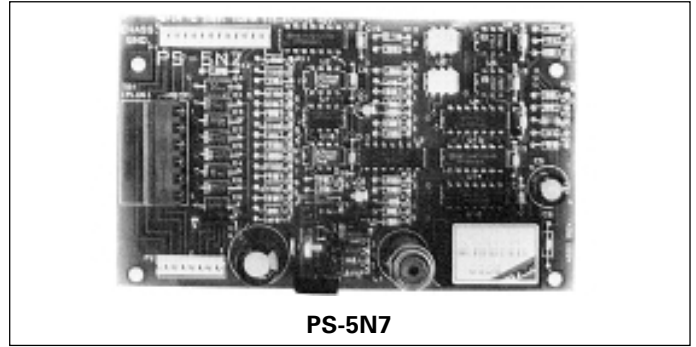
The MOM-4 Card Cage provides the MXL-IQ with card slots for option modules. Each MOM-4 supplies connection space for either two full width option modules (ALD-2I, CZM-4, NIM-1W) or four half width option modules (CSM-4, CRM-4, CMI-300, REP-1) or a combination of one full and two half width modules.



MOM-4

PS-5N7 5 Volt Power Supply/Network Interface

The PS-5N7 is a 5V power supply and MXL-IQ local network interface module. The PS-5N7 is an integral part of the RCC-1.



PS-5N7

FireFinder — Network Color Graphics

FireFinder is a PC based color graphics display and control package designed for use with the LifeLINK network and provides full control and annunciation for a LifeLINK network of up to 63 MXL-IQ or MXL systems. The NCC-G is used to monitor and control alarms, troubles, security, supervisory and all system events from one of many MXL series systems. The NCC-G maintains an extensive history log of all system events and has extensive report generation capabilities. User programmable function buttons are programmable to allow site specific control function configuration. Multiple NCC-Gs may be connected to a LifeLINK network.

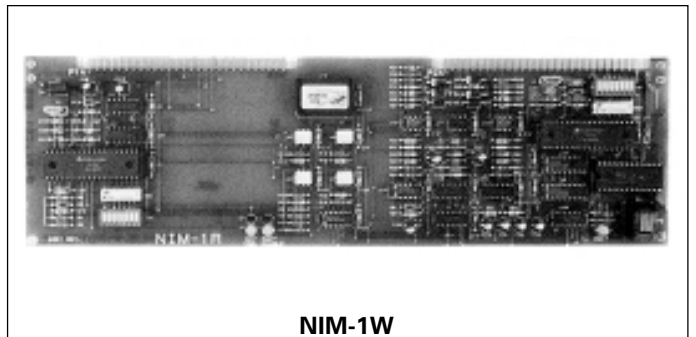
The NCC-GL serves as a graphical command center for a single MXL-IQ system. All of the FireFinder controls utilize a friendly design which intuitively guides the operator through all system conditions.



NCC-G

NIM-1W Network Interface Module

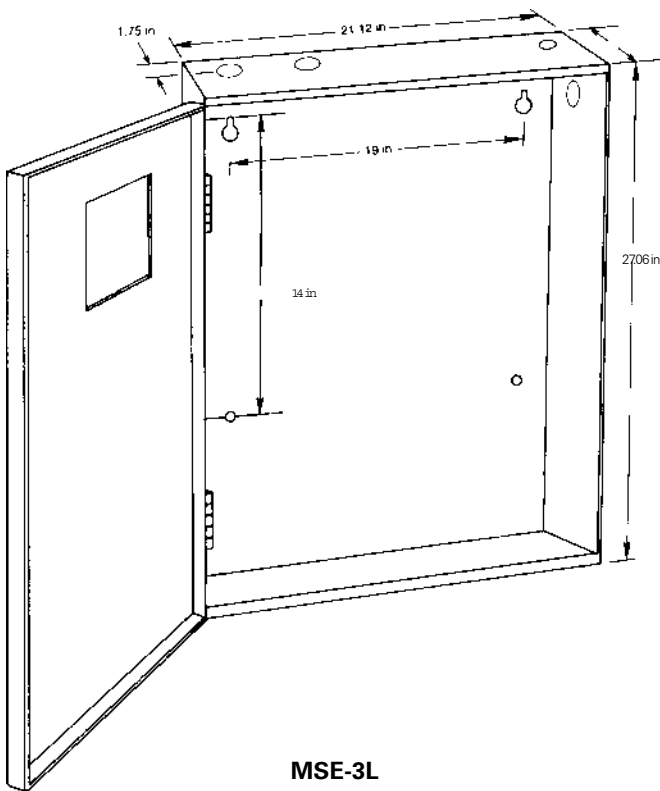
The NIM-1W is a full sized slot MXL-IQ module that allows the interconnection or networking of up to 63 MXL/MXL-IQ systems. The NIM-1W provides an RS-485 communication path in either Style 4 or Style 7 wiring configurations. The NIM-1W allows MXL/MXL-IQs to have interpanel logic and communicate in a peer to peer fashion. The NIM-1W can be programmed via CSGM logic as an FSI (Foreign System Interface) to communicate with external building control and annunciation systems. The NIM-1W is programmable to serve as an intelligent link to the air sampling detection system.



NIM-1W

MSE-3L MXL-IQ Enclosure/Door

The MSE-3L is a sheetmetal backbox for the MXL-IQ system. The MSE-3L supports mounting for the SMB-2, MPS-6, MPS-12, MPS-12-220, MPS-12-240, MKB-4 and either one MOM-2 or one MOM-4 cardcage. The MSE-3L dimensions are 27 $\frac{1}{16}$ " H x 21 $\frac{1}{8}$ " W x 6" D. The IQ-DFL plate (500-695436) is also available for use with the MSE-3L to provide full deadfront construction. The MET-3L (500-695437) flush trim mounting kit is also available for use with the MSE-3L enclosure. The MET-3L provides an optional 1" trim mounting ring around the MSE-3L. The MSE-3L enclosure also has provision for mounting a PSR-1 remote power supply, for use in place of the SMB-2 for MXL and MXLV applications. When the PSR-1 is mounted in the MSE-3L enclosure the IQ-BLANK (500-695438) blank plate is available to cover the cutout in the MSE-3L door. Other versions of the MSE-3L include; MSE-3LR - Red version of the MSE-3L and the MET-3LR - Red version of the MET-3L trim ring kit.



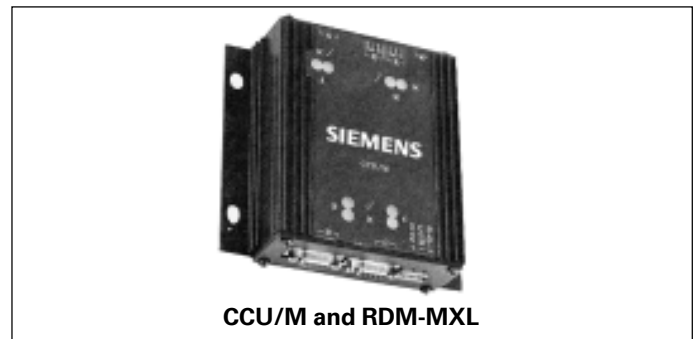
MSE-3L

CCU/M Alphanumeric Pager Interface

The CCU/M is an ancillary module that connects to the PIM-1 to transmit MXL-IQ status information in text message format to an alphanumeric pocket pager. The CCU/M can be connected to an existing phone line and can dial out to a pager using its onboard modem to transmit information via a paging service. The CCU/M can also connect directly to an existing on-site paging system. Through programming the CCU/M can send different types of events to different pagers. Up to 8 different messages can be sent to pagers directly from the CCU/M. Alarms, Troubles, Supervisory, Security, Arm/Disarm, Status Points, Audible Status, and Reset can be directed to all or only certain alphanumeric pocket pagers.

RDM-MXL, RDM-PC

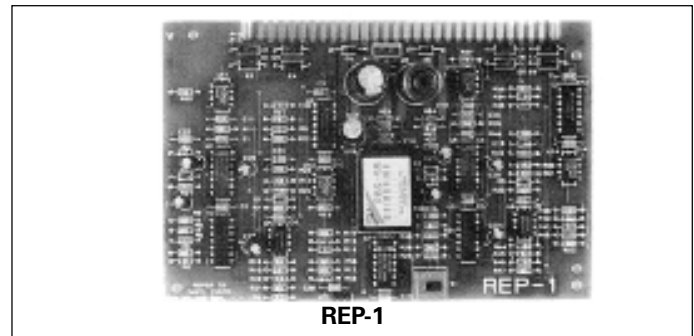
The RDM-MXL in combination with the RDM-PC provides the ability to call up an MXL, MXL-IQ or MXLV system to check on the system status. The RDM-PC connects a remote computer to the MXL equipped with the RDM-MXL. The RDM-PC initiates a call to the MXL's RDM-MXL module. The RDM-MXL answers the call. The RDM-PC identifies itself with the login name. As a built-in security measure, when the login name is recognized by the RDM-MXL, it then hangs up and initiates a call back to verify the login and password. Once the login and password is verified, the operator is on-line with the MXL. The operator can list system status, alarms, troubles, supervisories, and/or security events!



CCU/M and RDM-MXL

REP-1

The REP-1 is an optional MXL module that extends the distance of the MXL's RS-485 network. The REP-1 provides the ability to support various wiring configurations, including series and star configurations. The REP-1 provides the ability to support NFPA Style 4 or Style 7 network communications wiring. The REP-1 can be used to provided network wiring between MXL panels or MXLR panels. The REP-1 is a one-half slot card that plugs into a MOM-4 or MOM-2 cardcage. The REP-1 allows MXL network distances to be expanded to allow greater application flexibility. The REP-1 is an RS-485 repeater module capable of being configured as one Style 7 or two Style 4 network communication lines.



REP-1

Electrical Specifications

SMB-2 Analog Device Loops (TB2 and TB3)

- Electrical Ratings:**
 Supervisory 30 VDC max, 66mA max.
 Alarm 30 VDC max, 66mA max.
 (60 devices in alarm)
- All wiring must be in accordance with Article 760 of NEC or local building codes.
- Only the following list of devices may be used. A maximum of 60 devices in any combination may be connected to a single analog loop. The UL identifiers for compatibility are the same as the model names specified in Table 1.

**TABLE 1
COMPATIBLE DEVICES**

Compatible Devices	Base	Installation Instructions
CZM-1	-	P/N 315-090725
CZM-1B6	-	P/N 315-095355
FP-11/FPT-11*	DB-3S with DB-ADPT DB-11	P/N 315-095921 P/N 315-095921
ICP	-	P/N 315-092471
ICP-B6	-	P/N 315-095306
ILI-1/1H	DB-3S, DB-X3RS	P/N 315-095387
ILI-1A/1AH	DB-3S, DB-X3RS	P/N 315-095387
ILI-1B/1BH	AD-3I AD-3XRI	P/N 315-093234 P/N 315-093235
ILP-1/ILPT-1	DB-3S, DB-X3RS	P/N 315-092594
ILP-1	AD-3ILP AD-3XRILP	P/N 315-093234 P/N 315-093235
ILP-2**	DB-3S, DB-X3RS	P/N 315-095028
ILP-2**†	AD-3ILP AD-3XRILP	P/N 315-093234 P/N 315-093235
ILT-1	DB-3S	P/N 315-093336
LIM-1	-	P/N 315-092135
MSI-10/20	-	P/N 315-090903
MSI-10B/20B	-	P/N 315-093329
MSI-MB6	-	P/N 315-093613
TRI-B6/B6D/B6R	-	P/N 315-093315
TRI-B6M	-	P/N 315-094547
TRI-S, TRI-D, TRI-R	-	P/N 315-096242

* The FP-11/FPT-11 is only compatible with MXLIQ Rev. 6.0 or greater firmware.

** The ILP-2 is only compatible with MXLIQ Rev. 3.0 or greater firmware.

† When the CSG-M is configured, the DUCT application must be selected when the device is used in an air duct housing or in a spot duct application.

- No end of line device is required.
- Both circuits are power limited to NFPA 70/NEC 760. Each detector, or group of detectors, requires a two wire circuit of minimum 18 AWG thermoplastic fixture wire.
- Total circuit resistance must not exceed 100 ohms.
 Maximum capacitance: 0.4 μ F, between loop+ and loop-
 0.8 μ F, between loop+ and chassis
 0.8 μ F, between loop- and chassis
- T-tapping is not allowed on Style 6 loops.
- See P/N 315-092772 for more information on wiring.

SMB-2 AUX Power (TB5, 9-12)

- AUX power is available on TB5 terminals 9-12.
- All wiring must be in accordance with Article 760 of NEC or local building codes.
- Aux power is power limited to NFPA 70/NEC 760.
- Electrical Ratings:** 18-31 VDC, 1A max.
- See P/N 315-092772 for more information on wiring.

SMB-2 Notification Appliance Circuits (TB-5, 1-4 and TB5, 5-8)

- These notification appliance circuits are for alarm notification appliances only (NFPA 72). For Municipal Tie (NFPA 72, Chapter 4), Releasing (NFPA 13) or Leased Line (NFPA 72, Chapter 4), use model CSM-4
- All wiring must be in accordance with Article 760 of NEC or local building codes.
- Both notification appliance circuits are power limited to NFPA 70/NEC 760.
- Electrical Ratings:**
 Supervisory 18-31 VDC, 12mA max.
 Alarm 18-31 VDC, 1.5A max
- End of Line Device:** Use Siemens Fire Safety EOL 2.2K, 1/2W, P/N 140-820380
- Line Resistance:** Not to exceed 3 ohms total.
- See P/N 315-092772 for more information on wiring.

NOTICE: The use of other than Fire Safety detectors and bases with Fire Safety equipment will be considered a misapplication of Fire Safety equipment and as such void all warranties either expressed or implied with regard to loss, damage, liabilities and/or service problems.