CERBERUS PYROTRONICS XLD-1 X Series Loop Driver Owner's Manual

CERBERUS PYROTRONICS

XLD-1

"X" Series Loop Driver

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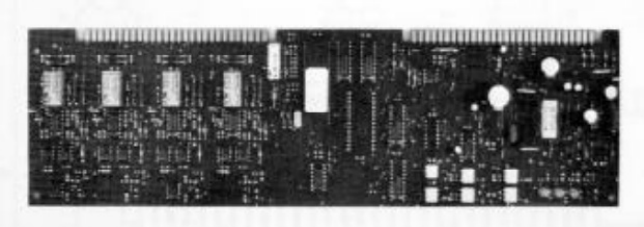
ENGINEER AND ARCHITECT SPECIFICATIONS



- X" Devices To MXL Interface
- Allows XL-3 to MXL System Conversion
- (4) Style 4 (Class B) or Style 6 (Class A) Loops
- 30 "X" Series Devices Per Loop
- Full MOM Card Slot
- Supports All "X" Devices (TRX, PEX, DI-X3, PAX, etc.)
- Allows MXL Operation with "X" Devices
- Listed, ULC Listed, CSFM, NYMEA Approved

Description

The XLD-1 is an optional MXL network module that connects XL-3 analog addressable devices to the MXL system. By using the XLD-1, existing XL-3 systems can be replaced by MXL systems, yet continue to use all "X" Series devices that are installed on the XL-3.
Each XLD-1 provides (4) analog loops for connection to "X", "I" or "IL" Series devices. Each of the XLD-1 circuits supports up to 30 alarm causing, trouble causing and supervisory type devices, as well as intelligent output devices (such as TRX relays, relay and audible bases.) Each XLD-1 analog loop is capable of being wired for either Style 4 (Class B) or Style 6 (Class A.)
The MXL can support up to 8 XLD-1 modules (960 "X" devices.) The XLD-1 provides the same device and loop capacity as the XL-3 module INX.
An XL-3 system with (8) INX modules (fully loaded XL3 – 960 devices) being replaced by an MXL would require (8) XLD-1s to utilize all existing "X" field device.

Engineer and Architect Specification

The XLD-1 shall be an analog loop driver with the ability to supervise and communicate with all Cerberus Pyrotronics "X", "I" or "IL" Series devices (excluding the CZM-1 and ICP). XLD-1 shall provide (4) MXL network analog loops each capable of supporting up to 30 "X", "I" or "IL" Series devices. The XLD-1 shall occupy one full card slot in the MOM-2 or MOM-4 card cages. Each XLD-1 network analog loop shall be capable of being wired for either style 4 (Class B) or style 6 (Class A.) The XLD-1 module shall contain an on board microprocessor which provides it with the ability to function and to initiate alarm conditions even if the main MXL processor fails.

Electrical Ratings

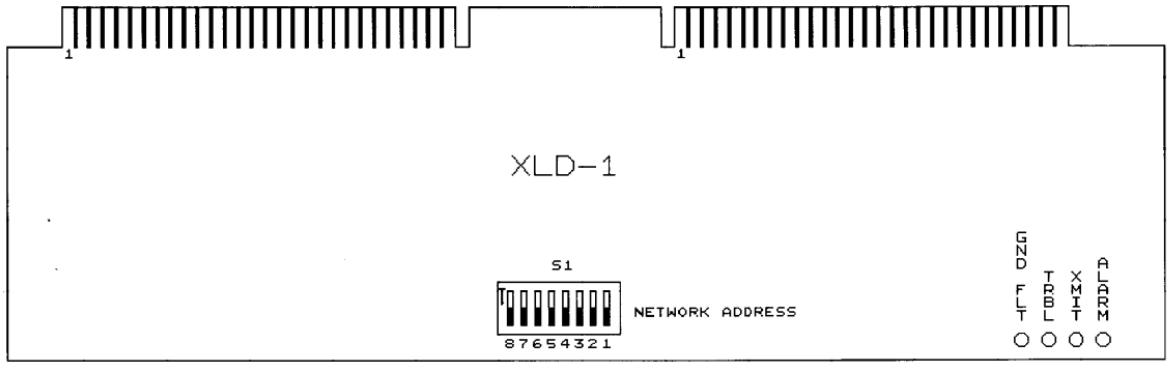
MODULE RATINGS:

Supervisory:	24VDC, 200mA max.
Alarm:	24VDC, 200mA max.
INITIATING CIRCUITS ARE RATED:	
Supervisory	24VDC peak, 40mA max.
Alarm:	24VDC peak, 40mA max. (30 devices in alarm)
Total Circuit Resistance:	100 Ohms max.
Total Circuit Capacitance:	.4 uF line to line .8 uF line to ground

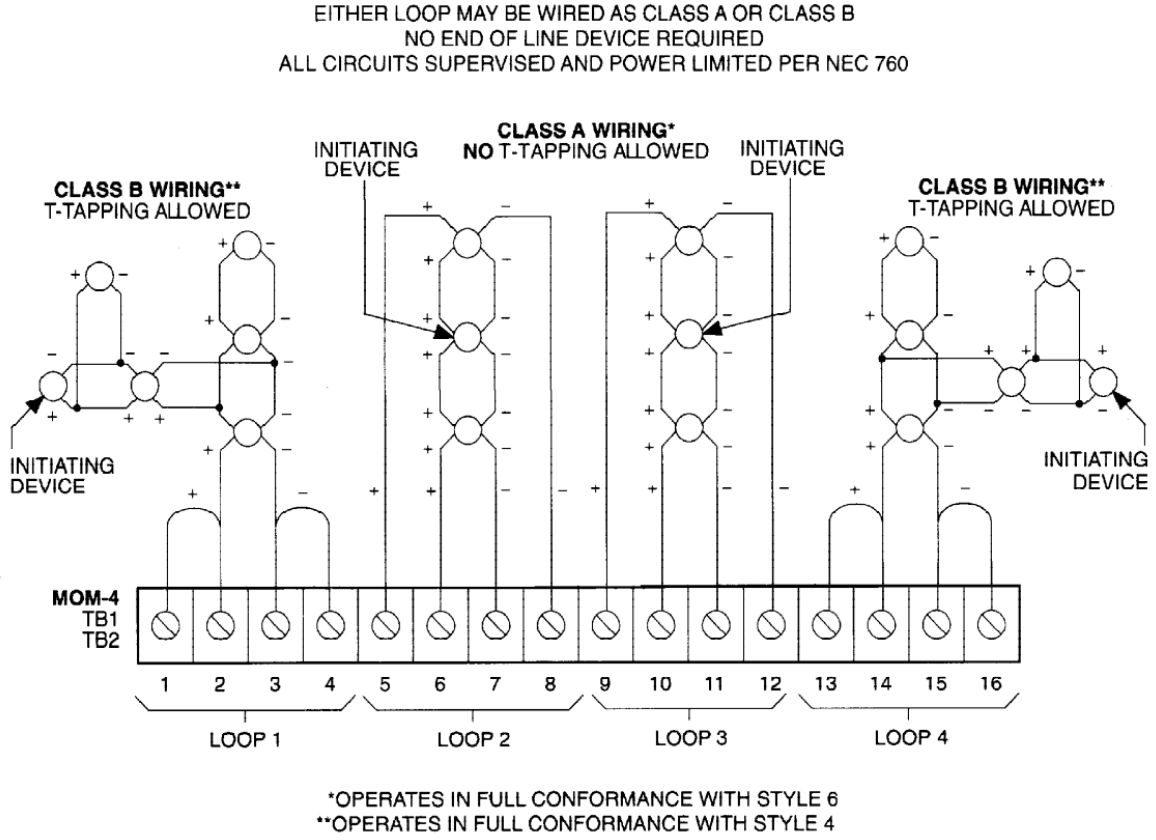
Ordering Information

Model	Description	Part Number
XLD-1	“X” Device Loop Driver	500-893383
	Installation Instructions	315-093385
XEA-1	Small XL-3 Enclosure Adapter Plate	500-893604
XED-1	Small XL-3 Enclosure Door (Black)	500-893605
XEA-2	Large XL-3 Enclosure Adapter Plate	500-893606
XED-2	Large XL-3 Enclosure Door (Black)	500-893607

XLD-1 Module Diagram



XLD-1 Wiring Diagram



Compatibility Table for XLD-1

Compatible Devices		Installation Instructions	Compatible Devices		Installation Instructions
DI-AX3	P/N	315-085388F	I LP-1	P/N	315-092994-2
DI-AX3H	P/N	315-086588B	ILPT-1	P/N	315-092994-2
DI-6X3	P/N	315-086590-7	I LT-1	P/N	315-093336-1
	P/N	315-086592-5	MS1-10/20	P/N	315-090903-3
DI-BX3H	P/N	315-086590-7	M SI-10B/20B	P/N	315-093329-1
	P/N	315-086592-5	MSX-1	P/N	315-183043C
DI-X3	P/N	315-083534D	MSX-2	P/N	315-088528B
DI-X3H	P/N	315-086587B	PAX-1	P/N	315-084615C
DP-X3	P/N	315-083406A	PAX-3	P/N	315-087558-3
DT-X3-135	P/N	315-0841250	P EX-3000	P/N	315-0865520
ID-601/601H	P/N	315-090287-2	P EX-3000T	P/N	315-0865520
ID-601A/601AH	P/N	315-090287-2	SAX-1	P/N	315-0846140
ID-601 B/60I BH	P/N	315-086590-7	SAX-3	P/N	315-087791A
	P/N	315-086529-5	TRI-2/2 R/2D	P/N	315-090556-5
ID-60P/60PT	P/N	315-090289-3	TR1-60/60R/60D	P/N	315-092329-2
ID-60T-135	P/N	315-090288A	TRI-B6/B6R/B6D	P/N	315-093315-1
I LI-1/1H/1A/1AH	P/N	315-092724-2	TRX-1	P/N	315-183462E
ILI-1B/IBH	P/N	315-093234-1	TRX-2/2 D/2 R	P/N	315-086678-4
	P/N	315-093235-1	TRX-3	P/N	315-086288A

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Documents / Resources

CERBERUS PYROTRONICS XLD-1 X Series Loop Driver [pdf] Owner's Manual
XLD-1 X Series Loop Driver, XLD-1, X Series Loop Driver, Loop Driver, Driver

References

- **Fire Alarm Resources | Download fire alarm documents**
- **cerbpyro.com**