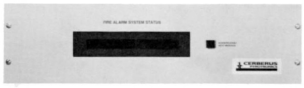

CERBERUS PYROTRONICS A-P Series IXL Alphanumeric Display Instruction Manual

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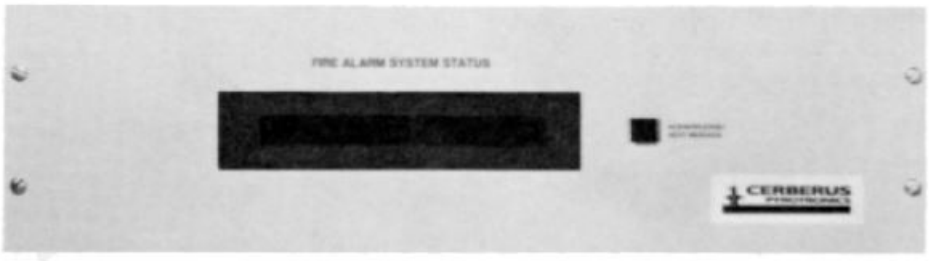


SPECIFICATIONS

Models LAN, RAN, LPI and RPI

- Field Programmable
- User Selectable, English Read-Out
- 80 Character Liquid Crystal Display (Two 40 Character Lines)
- “1st Alarm” Indication
- Local and/or Remote Applications
- Up to 16 Displays per System
- Up to 1,000 History Log Events Memory
- Audible Signaling
- RS232 Compatible Output to Drive Printer
- Listed, ULC Listed, FM, CSFM and NYMEA Approved

Description

Cerberus Pyrotronics A/P Series, Alphanumeric Display/ Printer Interface Modules, include nonvolatile memory to store user specific alarm and trouble messages, as well as history log information. User specific messages can be field programmed using a terminal or laptop computer connected to the serial I/O port.
The Alphanumeric Display/Printer Interface satisfies architectural requirements for local and/or remote text annunciation of the system. The display is field programmable.
The Alphanumeric Display consists of two 40-character lines of user-selectable, field programmable information. In the quiescent mode, the display indicates system status when the “ACKNOWLEDGE” switch is activated. The alphanumeric Display/Printer Interface also provides an audible signal when a new alarm or trouble condition is reported to the Control Panel. When the Alphanumeric/ Printer Interface is mounted in the control panel, the “ACKNOWLEDGE” switch will activate the display during quiescent conditions and to scroll the display for the multiple messages. Located on the remote Alphanumeric
Display is a multipurpose switch designed to activate the display during quiescent conditions, silence the audible signal, scroll the display for multiple messages and check field programmed message text.
The Alphanumeric Display/Printer Interface may be programmed to operate the printer in three different modes, “Alarm”, “Alarm & Trouble” and “Event Logger”. When the Alphanumeric/Printer Interface receives a report from the Control Panel, which changes the mode of operation from quiescent to Alarm and/or Trouble mode(s), then a user selected field programmed message is displayed and may be programmed to print on a standard serial printer. The Alphanumeric/Printer Interface is continuously communicating with the Control Panel via the Network Communication Line so that any malfunction that interrupts communication will cause a trouble signal at the Control Panel

Engineer and Architect Specifications
Remote Alphanumeric shall connect to the Network Communications Line and be completely field programmable. It shall have two lines of 40 characters each, and will indicate first alarm. There will be an audible device that will activate upon alarm. These annunciators shall also support 1,000 history log events. When installed in the control panel cabinet, it shall be model LAN or LPI. If remote installed, the model shall be RAN or RPI. The user text shall be totally field programmable with customers defined message (80 characters max.), including time and date.

Operation

In its normal quiescent mode, the Alphanumeric display is blank. If the next message switch is activated, three displays will rotate continuously in 5 second intervals. The first display consists of 80 asterisks (*), which are used to check each character position on the display. The second display reports system status with time and date, including whether the system is in day or night mode. Finally, the third display consists of two lines of up to 40 characters each which identify the end user.

If one or more trouble conditions occur on the IXL® system, an identifying message and the number of troubles are displayed and the audible signal device is actuated. When a new trouble condition is reported, the Alphanumeric Display is automatically updated to show the most recent report. Activation of the “ACKNOWLEDGE” switch will silence the trouble indication. When all trouble conditions have been corrected, the display will automatically return to its quiescent mode.
When an alarm occurs on the system, a user selected field programmed message will be displayed and/or printed. A second display will periodically indicate the total number of alarms on the system. If multiple alarms occur simultaneously, the user-selected message of each alarm may be viewed by successive operation of the “ACKNOWLEDGE” switch. Whenever the first alarm reported is displayed, a “1st alarm” indication will flash at the right side of the display.
When the system is reset, the display will return to the quiescent mode. Subsequent alarm reports from initiating devices that remain activated after system reset will be displayed and/or printed.

Ordering Information

Model Number	Part Number	Description
LPI	500-379611	Local Printer Interface (mounts in control panel cabinet)
LAN	500-379624	Local Alphanumeric Display (mounts in the control panel)
RAN	500-379623	Remote Alphanumeric Display/Printer Module
RPI	500-379622	Remote Printer Interface Module
RAN-SB	500-690372	Surface Box for RAN Remote Mounting
FT-RAN	500-691128	Flush Trim Kit for RAN-SB

Application

The Alphanumeric/Printer Interface is frequently utilized in areas remote from the control panel, where annunciation is required. Its user selectable display of alarms provided an English text readout for identifiable devices connected to the Control Panel. Its printer interface drives a serial printer. Text annunciation allows for ease of identification of the affected area under an emergency condition. Supports selective message vectoring to particular A/P annunciators.

Installation

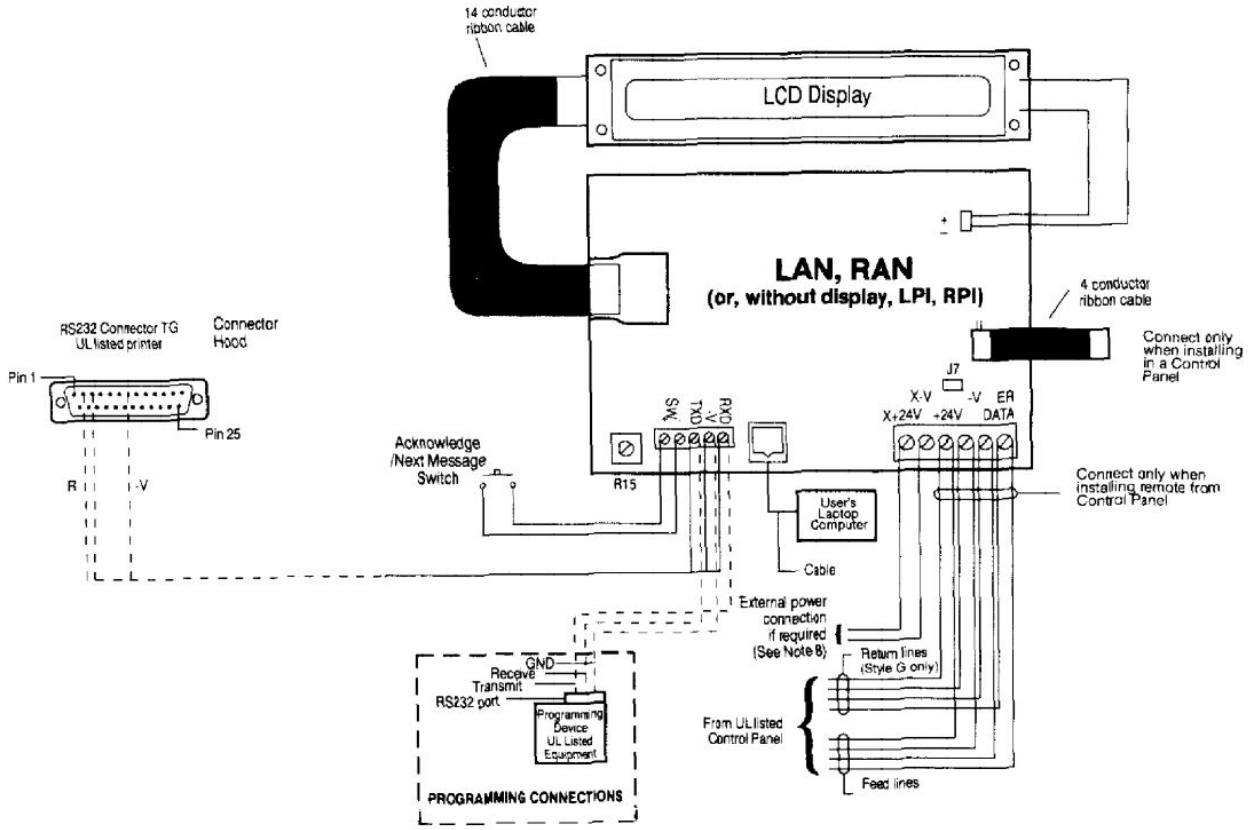
The local Alphanumeric/Printer Interface may be installed in the Control Panel. The remote Alphanumeric/Printer Interface is constructed to be mounted on a 19” width by 5.25” high rack mounting plate, with an overall depth requirement of 2.75”. The display should be mounted so that the liquid crystal display is 4’ to 5’ above floor level for an optimum viewing angle. The viewing angle may be adjusted if necessary. However, best results are obtained at the above recommended height.

Mechanical and Environment

- **Operating Temperature:** 0°C to 49°C
- **Relative Humidity:** 85%, non-condensing
- **Maximum Number of A/P Interfaces per System:** 16 (4 loops)
- **Operating Voltage:** 24 VDC (from Network Communication Line)
- **Operating Current:** 0.045 Amp (plus printer power, if required)
- **Printer Connector:** Serial RS232C Compatible
- **Approximate Display Character Size per Letter:** 4.55 mm Height

- **Surface Box Width:** 5½” x 19¼” x 3”
- **Optional Trim Kit Width:** 6½” x 21¼”

Wiring Diagram



NOTES:

1. All field wiring must be in accordance with NFPA 70, Article 760.
2. Refer to the manual for power requirements.
3. Do not make connections while system is powered.
4. Use 4 conductor wire. For minimum wire size requirements, refer to the manual.
5. Any addressable network module may be connected to the same loop.
6. Style 4 (Class B) wiring may be T-tapped.
7. Style 6 (Class A) wiring may not be T-tapped.
8. If UL listed filtered and regulated 24 VDC power supply for fire protection signaling is used, remove J7.

firealarmresources.com

Documents / Resources

	CERBERUS PYROTRONICS A-P Series IXL Alphanumeric Display [pdf] Instruction Manual A-P Series IXL Alphanumeric Display, A-P Series, IXL Alphanumeric Display, Alphanumeric Display, Display

References

- Fire Alarm Resources | Download fire alarm documents