CERBERUS PYROTRONICS PAL-1 Parallel Printer Instruction Manual

PAL-1 Parallel Printer

Instruction Manual

Contents

ENGINEER AND ARCHITECT SPECIFICATIONS

- Parallel Printer
- Supervised for Paper Out, On/Off Line, Power On, Paper Jam, Connection
- MXL, CXL, MXL-G, MXL-GT, CXL-G, SCXL, NCC
- High Speed
- 24 Pin Dot Matrix
- Wide Carriage, Tractor or Friction Feed
- NFPA 72 Proprietary
- Listed

Description

The PAL-1 is a UL listed parallel printer for use with the MXL, CXL, MXL-G, MXL-GT, CXL-G and NCC. It provides a hard copy record of all system events. It also allows printing of system maintenance and diagnostic reports.
When used with the MXL the PAL-1 requires connection to PIM-2 and PIM-1. When used with CXL, the PIM-2 is required to connect the PAL-1 to the CXL's printer port on the CXC-2 module.
The printer is a 24 pin wide carriage dot matrix with Centronics® type interface. It is supervised for AC power, ON/OFF line, paper out, paper jam and connection to the FACP.
When used in an NFPA 72 proprietary configuration, a UL listed UPS must be supplied.

Engineer and Architect Specifications
The system shall provide a UL listed parallel printer. The printer shall be high speed, wide carriage with 24 pins, dot matrix type. The printer shall support the use of either traction feed or friction feed paper. It shall be fully supervised for proper operation, including On/Off Line, Paper Jam, Paper Out, Power On and wiring between printer and fire alarm system.
The PAL-1 shall be capable of being used with either the Cerberus Pyrotronics MXL or CXL systems. It shall also be used with the MXL-G, MXL-GT, CXL-G, SCXL and NCC systems.
When used with the MXL, the PAL-1 shall be connected to the PIM-1 and PIM-2 modules. Power to the PAL-1 shall be provided by a UL listed UPS in all NFPA 72 proprietary systems.

PIM-2/MXL Wiring Diagram

NOTES:

1. Maximum cable distance from PIM-1 to PIM-2 cable is 25 feet. The two modules must be in the same room.
2. The maximum distance from the PIM-2 to the parallel printer is 6 feet. The two modules must be in the same room.
3. PIM-2 power (PWR) is connected to the 5 VDC, 600mA transformer supplied with PIM-2. The transformer

requires 120 VAC, 60 Hz, 0.5A max.

4. For NFPA 72 Local, Auxiliary, and Remote Station configurations, connect the output of the PIM-2 to any UL listed EDP Centronics® parallel printer.

5. The parallel printer must support the EPSON FX command set.

6. The PIM-2 input and output connectors are DB-25 female.

7. Pressing RESET on the PIM-2 causes the unit to read the SW1 settings. The status LED is lit when the unit is powered. Do not use the COPY button.

8. For NFPA Proprietary and UL 1076 configurations, use parallel printer Model PAL-1, a UL listed for fire Centronics® parallel printer.

9. The parallel printer is supervised for AC, on/off line, paper out, paper jam and connection to the PIM-2.

10. The PIM-2 is supervised for power, connection to the printer and connection to the PIM-1.
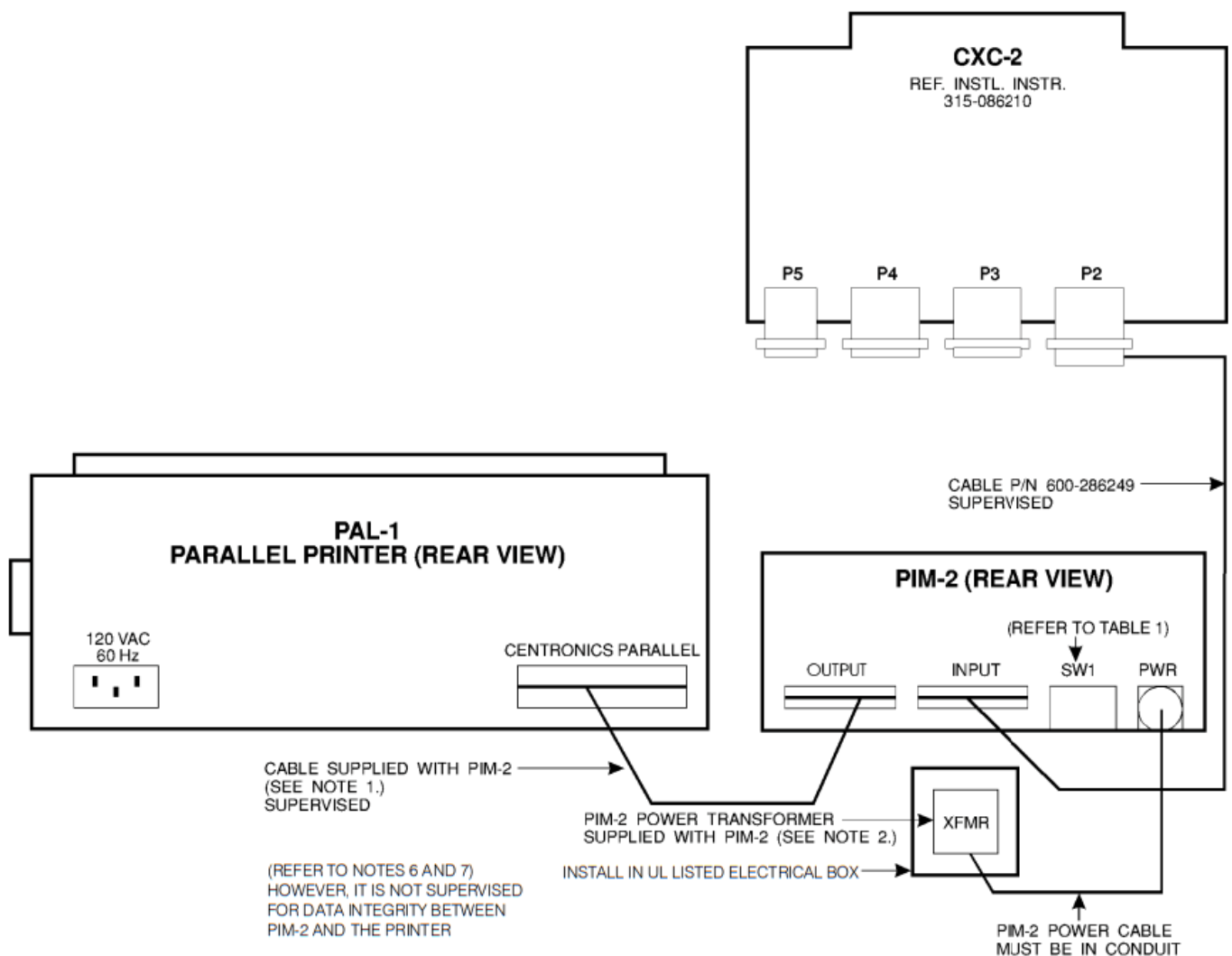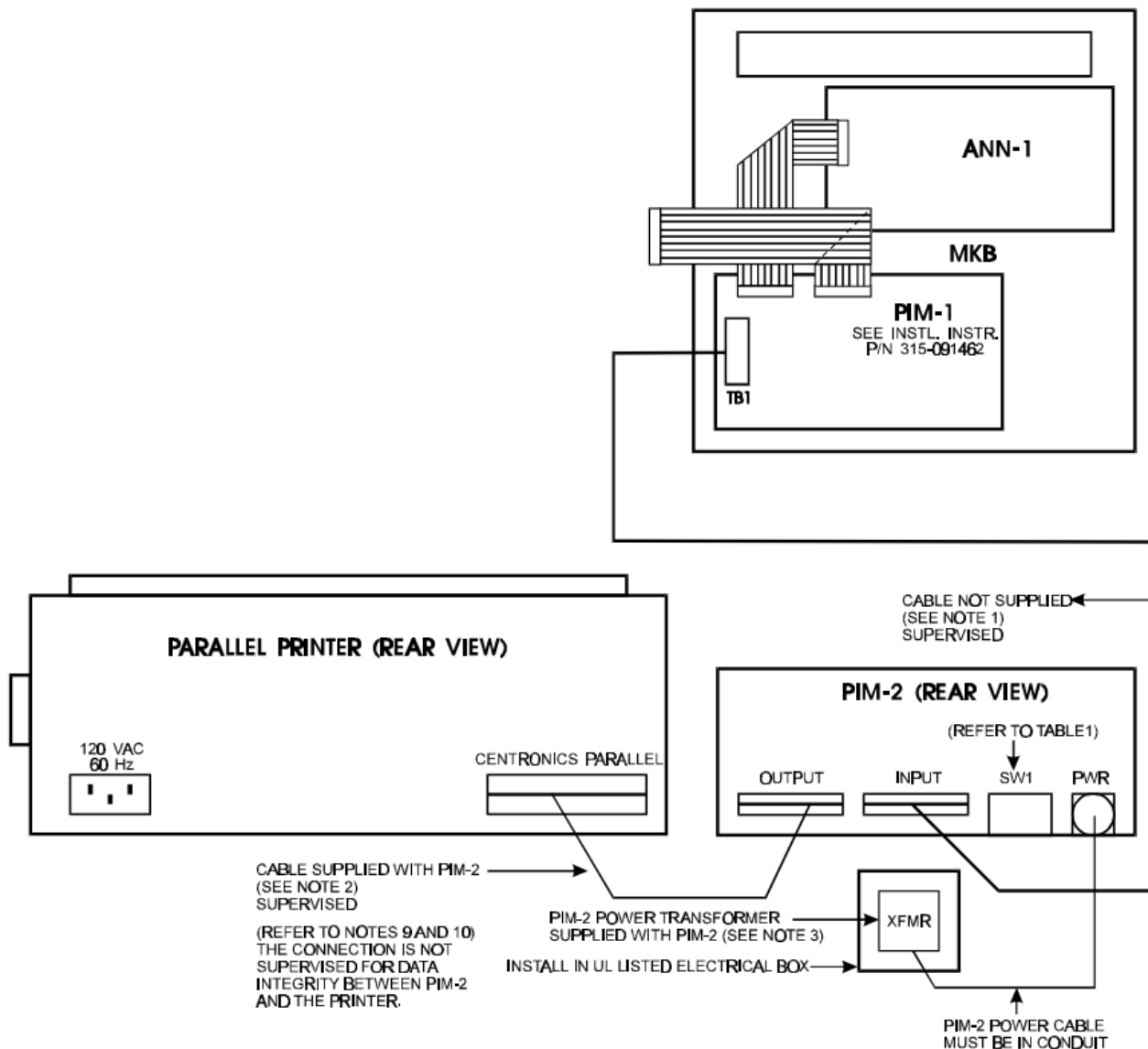

Figure 3
PIM-2/CXL Wiring Diagram

PIM-2/CXL Wiring Diagram
NOTES:

1. Maximum distance from PIM-2 to parallel printer is 6 feet.
   The modules must be in the same room.

2. Connect PIM-2 power (PWR) to the 5 VDC, 600mA transformer supplied with PIM-2. The transformer requires 120 VAC, 60 Hz, 0.5A max.

3. PIM-2 input and output connectors are DB-25 female.
4. Pressing RESET on the PIM-2 causes the unit to read the SW1 settings. The status LED is lit when the unit is powered. Do not use the COPY button.
5. Use revision 8.0 or higher of CXL firmware to support this option.
6. PAL-1 is supervised for AC, on/off line, paper out, paper jam and connection to PIM-2.
7. PIM-2 is supervised for power, connection to printer and CXC-2

Ordering Information

Model	Description	Part Number
PAL-1	Supervised Parallel Printe	500-692407
	Installation Instructions	315-092408

CERBERUS PYROTRONICS

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Supersedes sheet dated 4/94
firealarmresources.com

Documents / Resources

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References

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