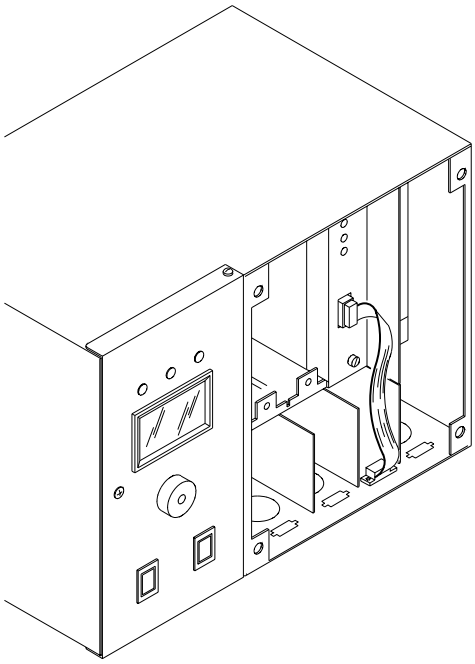
Prolink

Printer Network Card Installation Manual



REDJACKET™ ELECTRONICS

LLOYD'S REGISTER QUALITY ASSURANCE ISO9001

Prolink Fuel Management System

RE260-319
Rev B
June 99

Printer Network Card Installation Manual
RE260-319 ² Rev B ² June 99

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About This Manual

This preface describes the organization of this manual, explains symbols and typographical conventions used, and defines vital terminology.

Organization

This manual is organized into one chapter, a replacement parts list, and an index.

Typographical Conventions

The various symbols and typographical conventions used in this manual are described here.

Numeric Formats	A numeric zero looks like 0 in this document. An uppercase letter “oh” is rendered as O. A numeric one looks like 1 in this document. A lowercase letter “ell” is rendered as l. However, to prevent confusion, the abbreviation for milliliter includes a capital letter (mL).

Terminology

The following terms are used throughout this manual to bring attention to the presence of hazards of various risk levels, or to important information concerning use of the product

DANGER!!	Indicates the presence of a hazard that **will** cause **severe** personal injury, death, or substantial property damage **if ignored**.
WARNING!	Indicates the presence of a hazard that **can** cause **severe** personal injury, death, or substantial property damage **if ignored.**
Caution	Indicates the presence of a hazard that will or can cause minor personal injury or property damage if ignored.
Notice	Indicates special instructions on installation, operation, or maintenance that are important but not related to personal injury hazards.

Chapter 1: Printer Network Card Overview and Installation

This Chapter Explains:

- **Overview of the Printer Network Card**
  - Report types
- **Installation Requirements**
  - The Printer Network Card
  - Printer Network Card Configuration Worksheet Information
- **Installation Procedures**

Overview of the Printer Network Card

The Printer network card is a circuit board which fits into a slot in a Prolink chassis. The Printer network card is the interface between the Prolink network and a serial printer.

This allows certain scheduled and alarm reports (See *figure 1.1*)to be printed at the site without the necessity of installing an onsite PC. If a PC is installed onsite, these reports can be printed on demand.

The Printer network card differs from the Serial Link in that it is not a stand alone unit. It must be installed in a Prolink chassis. The Printer network card does not have error, transmit(TX), or receive(RX) LEDs. This card also does not contain DIP switches. It utilizes jumpers on the circuit board to change configurations.

Report Types:

The reports that are available through the Printer network card are simple summary reports of recent activities and station status.

These reports can be requested by using Pathway Plus. Reports can be printed on demand (with an onsite PC) or at scheduled intervals. (For example, a station status report may be scheduled to print once a day at 6:00 AM.)

Alarm and Delivery reports will print on occurrence.

Available reports are:

Printer Network Card Reports

Report Types	Description
Alarms on occurrence	Prints a report describing the alarm.
Delivery on occurrence • Current status of tanks and lines • Inventory levels • Last two inventory reports • Last two deliveries • Last two leak tests • Last alarm on tanks and lines • Number of days since last passed leak test	Prints a report describing the delivery

Installation Requirements

The Printer Network card requires an open network card slot in a Prolink chassis. Jumpers on the circuit board must be used for configuration. This card is shipped with the jumpers set in the DTE configuration. The top service pin and service LED on the face plate apply to the Printer network card application.

Printer Network Card Configuration Worksheet Information

When installing the Printer network card, certain information must be recorded.¨

- Card serial number¨
- Card date of manufacture¨
- Card neuron ID number¨
- Part Number¨
- Card chassis number¨
- Card slot number

This information should be entered on the Prolink Installation and Configuration Worksheet. (WAF03) Refer to *figure 1.1*.

Prolink Installation and Configuration Worksheet Sample

Prolink Configuration Worksheet– SAMPLE

Chassis #_____		Slot 1
Type of Network Card Installed		MAG NETWORK CARD 12/15/98 123456789 REXXX-XXX
CHANNEL 1 PROBE/SENSOR TYPE		MAG PROBE TANK 2 12/15/98 123456789 ABCD12345 REXXX-XXX WTR FLT YES
CHANNEL 2 PROBE/SENSOR TYPE		MAG PROBE TANK 4 12/15/98 123456789 ABCD12345 REXXX-XXX WTR FLT YES

Figure 1.1 Prolink Configuration Sample

Installation Procedures

Printer Network Card Configuration

Normally the only card configuration necessary is to configure jumper JP2 (see figure 1.3 for location). This jumper enables or disables the battery backup on the Printer network card. The other jumper changes the configuration of the serial(DB9) port between DTE and DCE protocols.(If necessary) This jumper is set at the factory to DTE (This setting covers most applications). Select the desired card configuration from the table and drawing below and install the jumpers in the indicated positions on the circuit board.

Jumper	Installed	Not Installed
JP2	Enables battery backup	Disables battery backup

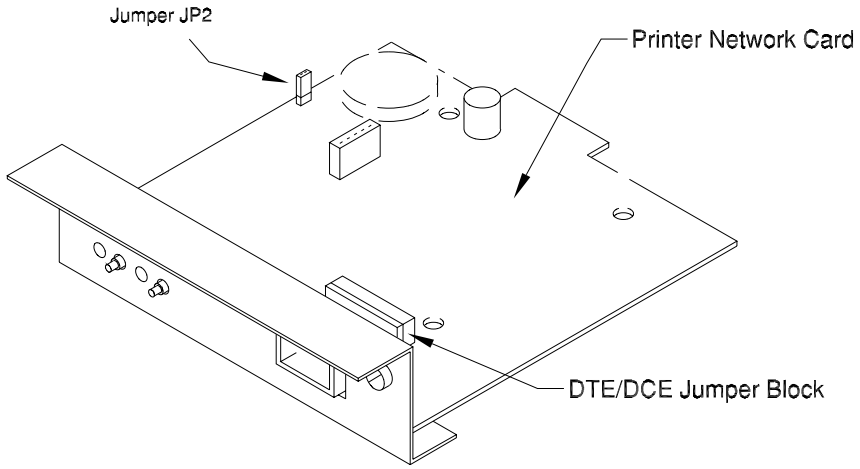

Figure 1.2 Jumper JP2 location

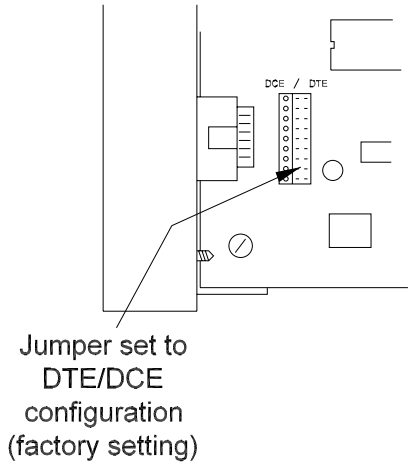

Figure 1.3 Jumper location for DTE/DCE configuration

Installation in the Prolink Chassis

The following procedures should be followed when installing the Printer network card in a Prolink chassis.

Step 1: Disconnect power to the Prolink chassis at the electrical service panel and the On-Off switch on the Prolink chassis power supply circuit board. Open the network card access panel and select an unused slot for installation. (Refer to figure 1.5)

Step 2: Remove the card slot protective cover.

Step 3: Install the jumpers on the circuit board to the desired configuration.(refer to the previous Card Configuration section and figure 1.3 and 1.4)

Step 4: Slide the Printer network card into the selected slot. Note the orientation of the card in figure 1.5, the card can be installed in this position only. Ensure that the card connects completely with the backplane board. Tighten the two hold-down screws to fully secure the card in position.

Step 5: Punch out the DB9 knockout underneath the selected slot.

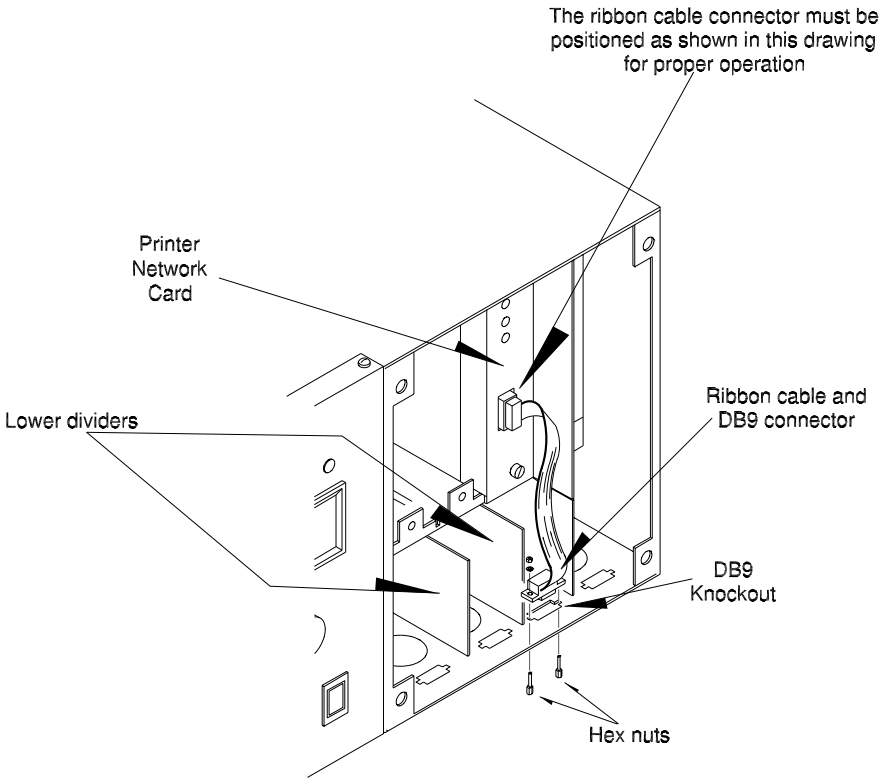

Figure 1.4 Printer network card - DB9 connector installation

The short dividers in the lower section of the chassis may be removed for access but MUST be reinstalled to maintain intrinsic safety and complete the installation.

Step 6: Place the ribbon cable DB9 connector in the knockout. Install and tighten the hex nuts to hold it in place.

Step 7: Reinstall the divider(s) in the lower section of the chassis.(if necessary) Close and fasten the network card access panel.

Step 8: Connect the serial printer to the DB9 connector.

Step 9: Reconnect power to the Prolink chassis.

Step 10: Configure the Printer network card and schedule reports using Pathway Plus.

Appendix A: Replacement Parts

Part Number	Description
RE400-600-5	Upgrade, Network Card, Printer Card, Prolink
RE260–319	Printer Network Card Installation Manual
RE350-158-5	Cable, DB9 to DB25-Null Modem

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