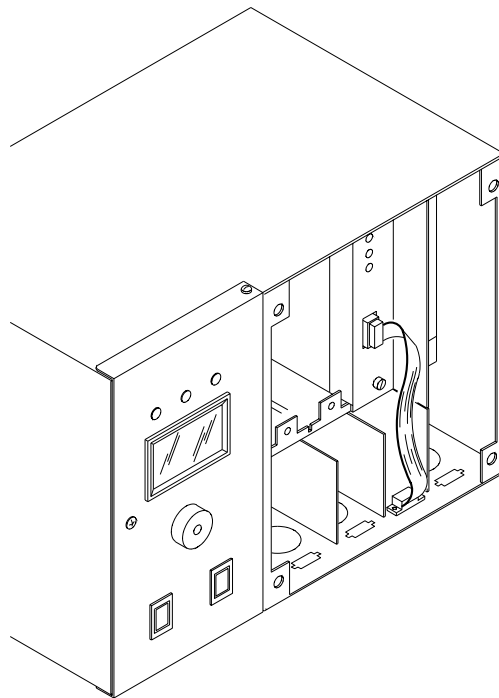


Pro *link*

Dispenser Interface Network Card Installation Manual



Pro *link* Fuel Management System

RE260-273
Rev B
June 99

Dispenser Interface Network Card Installation Manual

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About This Manual

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

Organization

This manual is organized into one chapter, one appendix, and an index.

Typographical Conventions

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).
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Terminology

The following terms are used throughout this manual to emphasize the presence of hazards of various risk levels, or to highlight 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: Overview and Installation

This Chapter Explains:

- **Overview of the Dispenser Interface Network Card**
- **Installation Requirements**
 - Dispenser Interface Network Card Installation and Configuration Worksheet Information
- **Installation Procedures**

Overview

The Dispenser Interface Network card is a circuit board which fits into a slot in a Prolink chassis. This card can perform several different tasks depending on how it is configured. The Dispenser Interface Network card can interface with a TIM and retrieve dispenser information. With a Recon expansion card installed, the Dispenser interface network card can also perform reconciliation for up to eight tanks.

The Dispenser interface network card connects to the TIM via an RS232 serial cable

Installation Requirements

The Dispenser Interface 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 apply to the Dispenser interface network card, the lower service pin and LED apply to the Recon Expansion Card (if installed).

Dispenser interface Network Card installation and configuration worksheet information

When installing the Dispenser interface network card, certain information must be recorded for configuring the Prolink network and for warranty registration.

- Card serial numbers for both the Dispenser interface network card and the Recon expansion card.
- Card date of manufacture for both cards.
- Card Neuron ID numbers for both cards.
- 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

Chassis # _____		Slot 1
Type of Network Card Installed		DISPENSER INTERFACE CARD
		12/15/98
		123456789
		REXXX-XXX
CHANNEL 1 PROBE/SENSOR TYPE		RECON DAUGHTER CARD YES
		01/30/98
		12345678910
		123456789
CHANNEL 2 PROBE/SENSOR TYPE		RECON DAUGHTER CARD YES
		01/30/98
		12345678910
		123456789

Network Card Type

Date Code

Neuron ID Number

Recon Daughter Card information (if installed)

Figure 1.1 Dispenser interface network card - required information

Installation Procedures

Dispenser Interface Network Card Configuration

Normally the only card configuration necessary is to configure jumper JP2 (see *figure 1.1* for location). This jumper enables or disables the battery backup on the Dispenser interface network Card. The other jumper changes the configuration of the serial (DB9) port between DTE and DCE protocols. This jumper is set at the factory to the DTE protocol. Select the desired card configuration from the table below and install the jumpers in the indicated positions on the circuit board. (refer to *figure 1.1*).

Select the desired card configuration from the table below and install the jumpers in the indicated positions on the circuit board. Refer to *figure 1.2* and *figure 1.3*.

Jumper	Installed	Not Installed
JP2	Enables battery backup	Disables battery backup

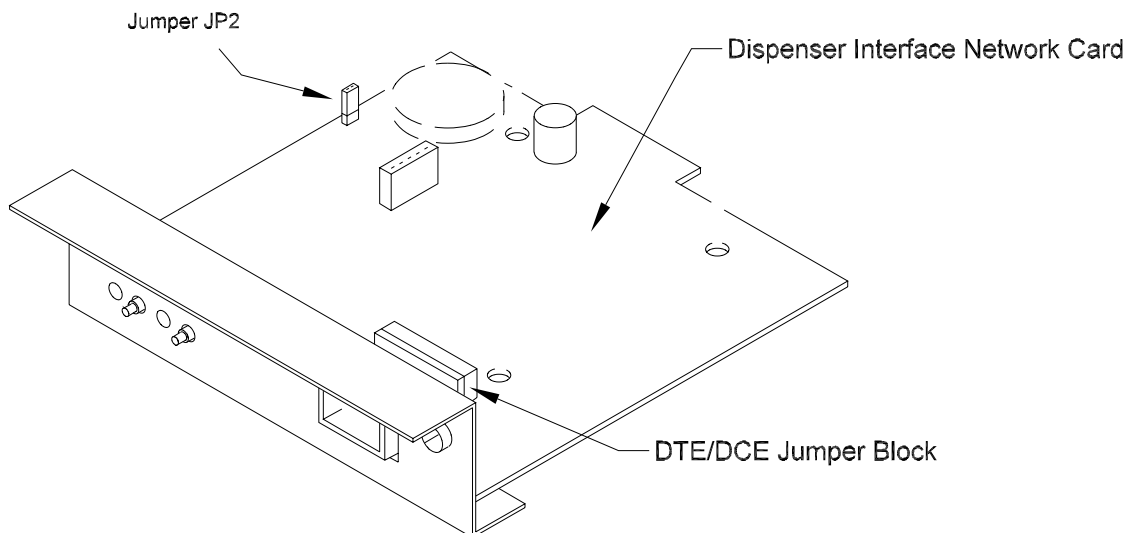


Figure 1.2 Dispenser interface network card circuit board configuration

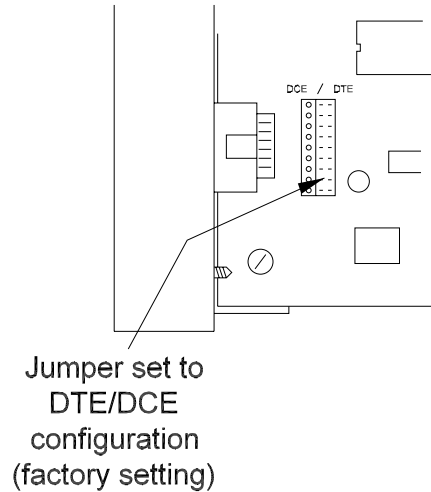


Figure 1.3 Jumper configuration for DTE/DCE

Installation in the Prolink Chassis

The following procedure demonstrates how to install the Dispenser interface network card into a slot in a Prolink chassis.

Step 1: Disconnect power to the Prolink chassis at the electrical panel and the On-Off switch on the Prolink chassis power supply circuit board. Open the network card access panel and select an open slot for installation. Refer to figure 1.4.

Caution

If more than one Prolink chassis is installed, MAKE SURE that the chassis that this card will be installed in is disconnected from AC power.

Step 2: Remove one of the conduit knockouts underneath the selected slot and install a conduit connector and conduit.

Notice

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 3: Remove slot cover from the selected slot.

Step 4: Verify that the jumpers on the Dispenser interface network card are installed correctly. The factory settings as described in the previous section (Dispenser interface network card configuration) are correct for this application. (refer to *figure 1.1 and 1.2*)

Step 5: Slide the Dispenser interface network card into the selected slot. Note the orientation of the card in *figure 1.4*. Make sure that the card connects completely with the backplane board. Tighten the two hold-down screws to fully secure the card in position.

Notice

Do not attempt to install the card backwards.

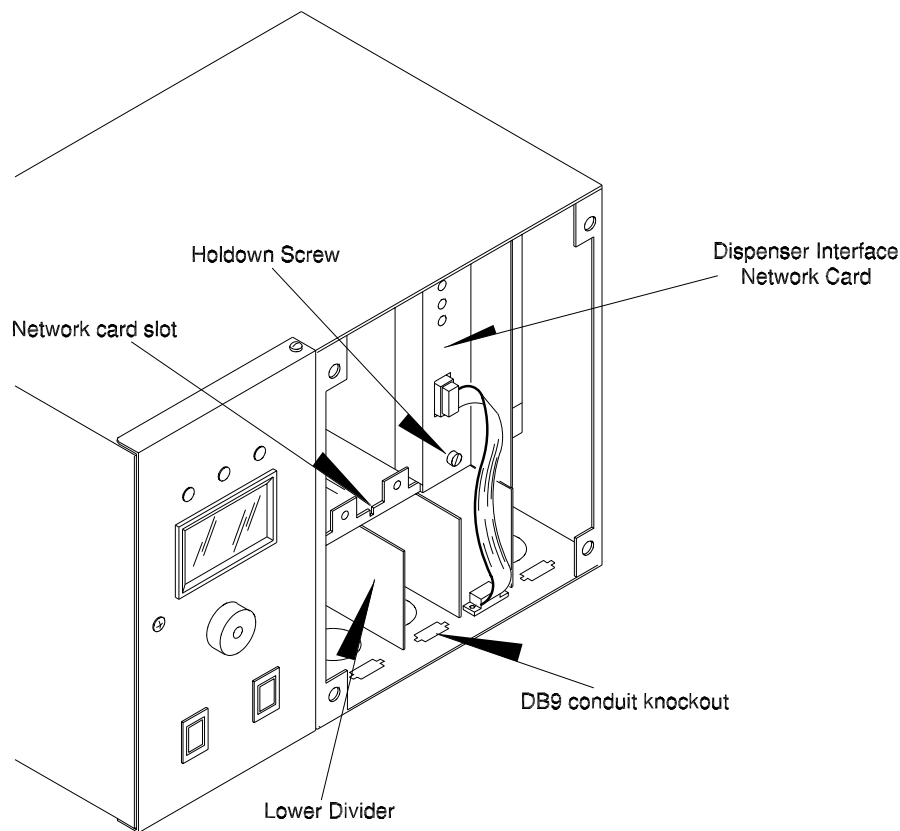


Figure 1.4 Installing the Dispenser interface network card

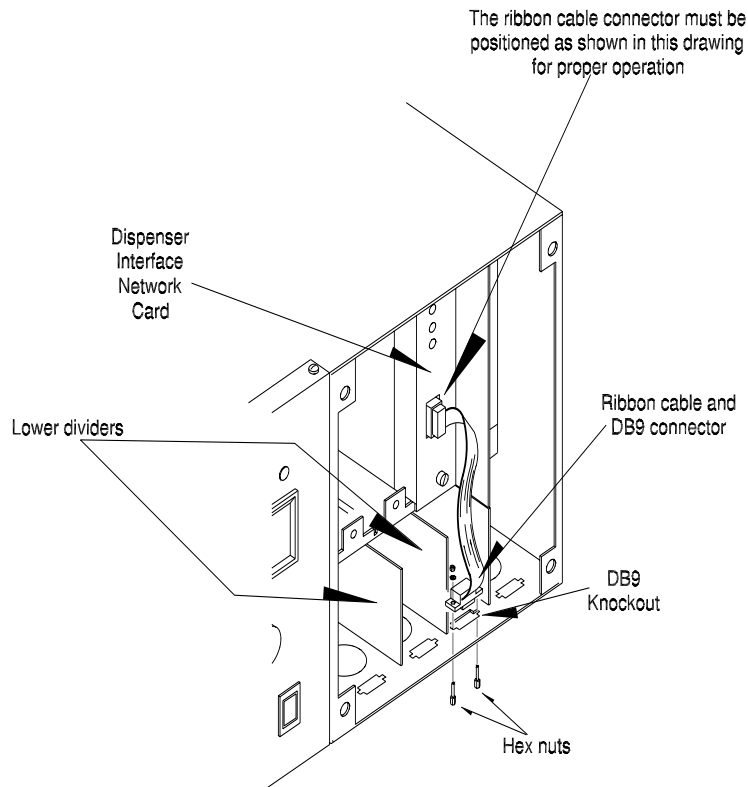


Figure 1.5 Dispenser Interface network card - DB9 connector installation

Step 6: Punch out the DB9 knockout underneath the selected slot.

DANGER!!

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

Step 8: Reinstall the divider(s) in the lower section of the chassis.(if necessary) Close and fasten the network card access panel.

Step 9: Connect the desired peripheral to the DB9 connector.

Step 10: Reconnect power to the ProLink chassis.

To connect the Dispenser interface network card to a T.I.M.(Transaction Interface Module) unit, the Prolink to TIM cable assembly is required.(See Parts List) This is a serial cable with a female DB9 connector which plugs into the DB9 connector on the Prolink. The TIM end is a male DB9 connector with a power supply for the TIM incorporated into it. This is a six foot cable, so the TIM must be located within six feet of the Prolink chassis. The power supply transformer is plugged into a standard 110VAC wall outlet which must be within 6 feet of the TIM.

Notice	For more information on connecting and configuring the TIM, refer to the TIM Installation and Programming manual. See Parts List.
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Appendix A: Replacement Parts

Part Number	Description
RE400-677-5	Dispenser Interface Network Card, TIMI Mode
RE400-678-5	Recon Daughter Card
RE350-163	Cable Assy., T.I.M. to Prolink , 6ft, power supply transformer 110VAC input/5VDC 1.2 A outpu
RE260-187	TIM Installation and Programming Manua

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