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IFSF Interface Module

Installation Guide

VEEDER-ROOT

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DAMAGE CLAIMS

1. Thoroughly examine all components and units as soon as they are received. If damaged, write a complete and detailed description of the damage on the face of the freight bill. The carrier's agent *must* verify the inspection and sign the description.
2. Immediately notify the delivering carrier of damage or loss. This notification may be given either in person or by telephone. Written confirmation must be mailed within 48 hours. Railroads and motor carriers are reluctant to make adjustments for damaged merchandise unless inspected and reported promptly.
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RETURN SHIPPING

For the parts return procedure, please follow the instruction in the "Veeder-Root Warranty and Dispatch Program" pages in the "Policies, Literature, and Contact" Section of the Veeder-Root **Consoles - North America** Price List.

Introduction

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Introduction

General

This manual contains installation procedures for the installation of the International Forecourt Standards Forum (IFSF) Interface Module in TLS-350 Series Consoles (the TLS-300 Console is shipped with the IFSF Interface Module factory installed). When installed in a TLS-350R, the IFSF Interface Board also accesses dispenser data to perform Business Inventory Reconciliation.

Console Software Requirements

To communicate with an IFSF network the console must have system software version17 or higher (Veeder-Root P/N 346xxx-3xx).

BIR Requirements

For the TLS-350R to perform BIR, the site's IFSF Dispenser Protocol must be release 1.51 or higher.

Related Manuals

For additional information when installing this equipment, refer to the following Veeder-Root manual:

576013-879 TLS-300/350 Series Consoles Site Prep and Installation Guide

Contractor Certification Requirements

Veeder-Root requires the following minimum training certifications for contractors who will install and setup the equipment discussed in this manual:

Level 1 Contractors holding valid Level 1 Certification are approved to perform wiring and conduit routing, equipment mounting, probe and sensor installation, tank and line preparation, and line leak detector installation.

Level 2/3 Contractors holding valid Level 2 or 3 Certifications are approved to perform installation checkout, startup, programming and operations training, troubleshooting and servicing for all Veeder-Root Tank Monitoring Systems, including Line Leak Detection and associated accessories.

Warranty Registrations may only be submitted by selected Distributors.

Safety Symbols

The following safety symbols are used throughout this manual to alert you to important safety hazards and precautions

	Electricity High voltage exists in, and is supplied to, the device. A potential shock hazard exists.
	Explosive Fuels and their vapors are extremely explosive if ignited.
	Turn Power Off Live power to a device creates a potential shock hazard. Always turn power off to the device and associated submersible pumps when servicing unit.
	Read all instructions and symbol warnings.

Safety Warnings

WARNING

You are working with a device in which potentially lethal voltages may be present.

Death or injury may result if safety precautions are not followed.

1. **Read all instructions and symbol warnings.**
2. **Turn power off before installing this kit.**

Installation

Setting IFSF Node Address (All Consoles)

1. Locate the IFSF Node Address DIP switch (SW2) on the IFSF Interface Module (see Figure 1). Note; the IFSF board layout is identical for all consoles (the only difference is that TLS-300 mounting brackets are different from TLS-350 brackets).

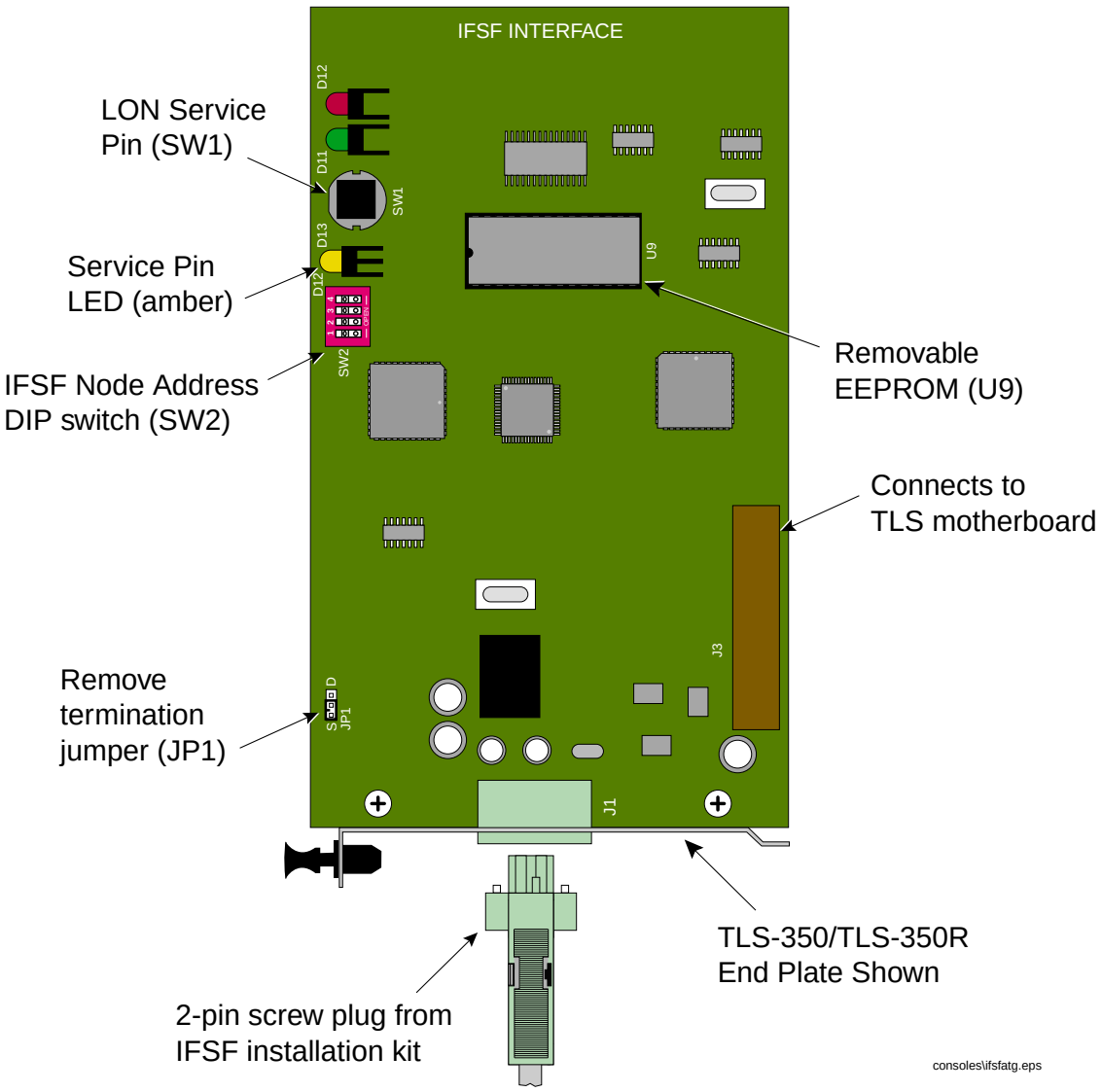


Figure 1. Locating Node Address DIP Switch

2. Set the ATG's designated node address with SW2 using the table in Figure 2.

Setting Node Address

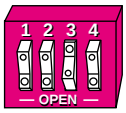
LON Node Address is Subnet 9, Node X, where X is selected using DIP switches 1 - 4 on SW2:

Node	DIP Switch* 1	2	3	4
1				
2	C			
3		C		
4	C	C		
5			C	
6	C		C	
7		C	C	
8	C	C	C	
9				C
10	C			C
11		C		C
12	C	C		C
13			C	C
14	C		C	C
15		C	C	C
16	C	C	C	C

* c = closed, blank = open

Example

Node Address set to 5



consoles/ifsfna.eps

Figure 2. Programming Node Address

Remove Termination Jumper JP1 (All Consoles)

The IFSF Interface Module is shipped from the factory with a termination resistor installed (JP1) - see Figure 1. A IFSF LON network can have only one termination resistor, which is usually installed in the Site's Primary Junction Box. Remove JP1 from the IFSF Interface Module to disconnect the onboard termination resistor.

Installing the IFSF Interface Module (TLS-350 Series Consoles Only)

Important ☞ The IFSF board can only be installed in slots 1, 2, or 3 of the TLS Console's Comm Bay (behind the left front door). Slot 4 of the Comm Bay is reserved for Dual-Port modules only.

1. Read and follow all instructions carefully.
2. Open the left-hand door of the console by removing the left-top and left-bottom #15 Torx screws.

3. To retain current programming, be sure that the battery backup switch is set to "ON" (see Figure 3). Note; if you have to turn the battery backup switch On, avoid touching any circuit components with your hand or any conductive tool or metallic jewelry.
4. Turn console power Off.

5. Remove one of the blank brackets at the base of an empty Comm Bay slot (slot 1, 2, or 3 only).
6. Slide the IFSF Interface Module into the slot (see Figure 4 on page 6) until its 25 pin connector seats snugly in the 25-pin connector on the motherboard at the rear of the Comm Bay.
7. To secure the module, press the black snap-in fastener on the module's bracket into the hole on the Comm Bay cage.
8. Check to see that the IFSF Interface Module's connector is accessible through opening at the bottom of the console once installation is complete.
9. Be sure all unused slots of the Comm Bay have a blank bracket installed so they are covered!

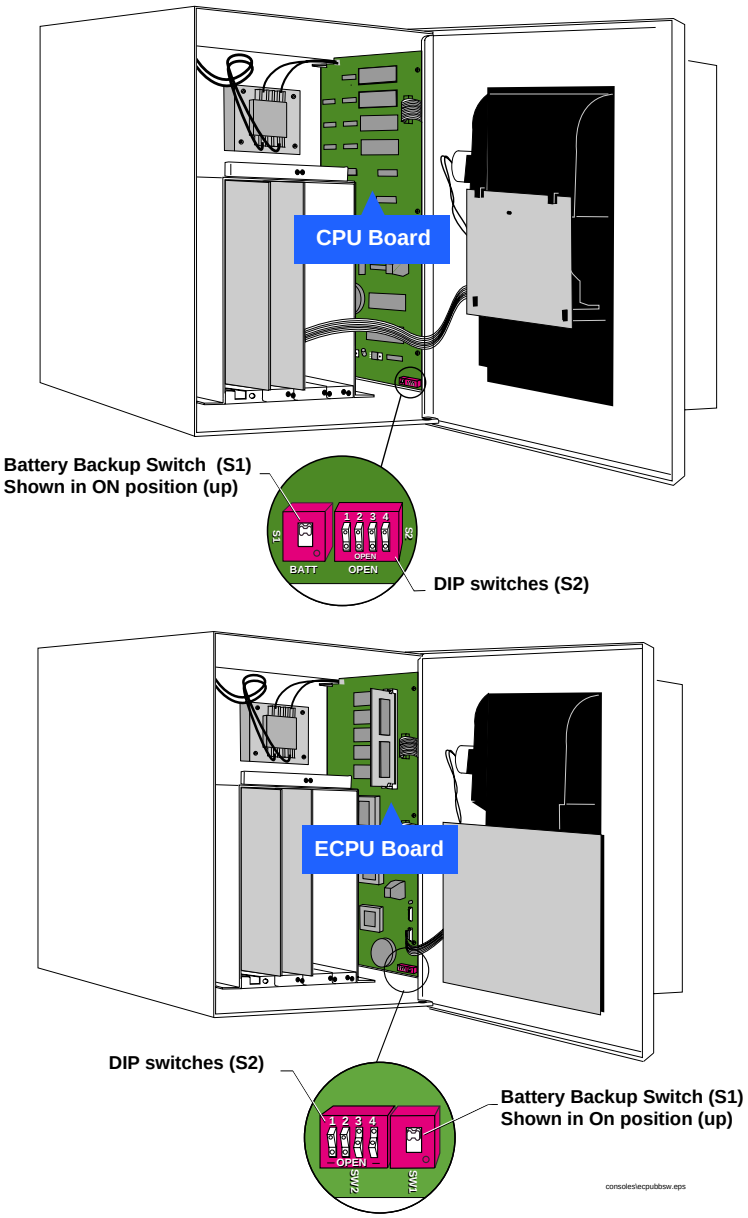


Figure 3. Locating Battery Backup Switch on a CPU Board

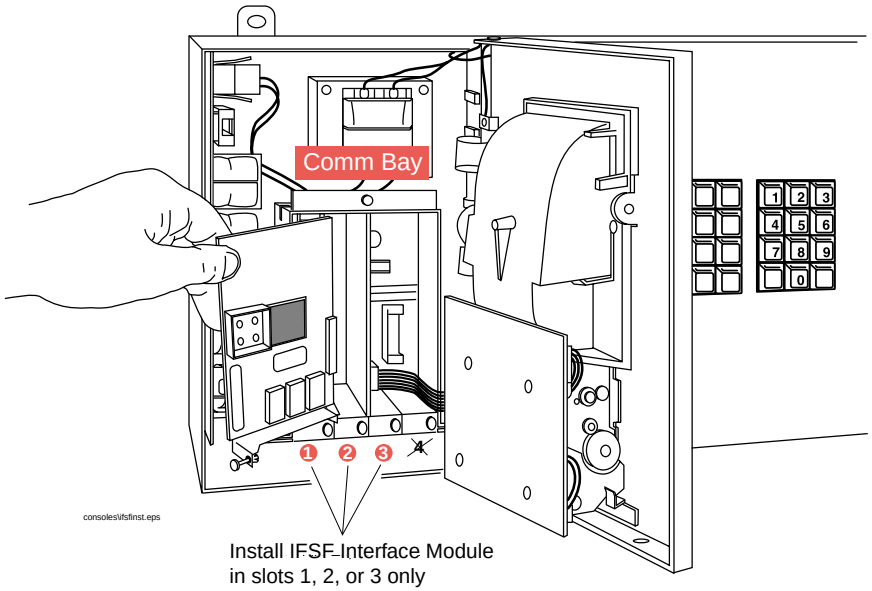


Figure 4. Sliding an Interface Module into a Comm Bay Slot

Assemble the IFSF Interface Module Connector

Figure 5 illustrates the procedure to assemble the connector that is shipped with the IFSF Interface Module.

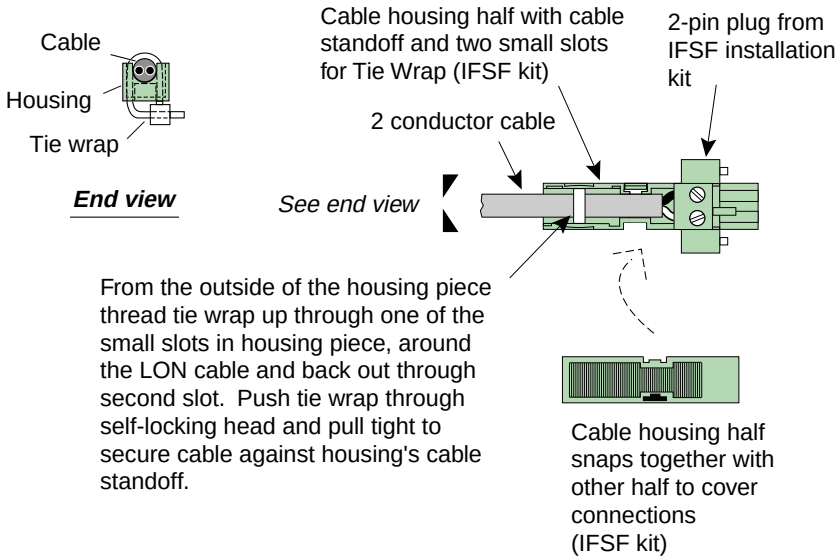


Figure 5. IFSF Interface Module Connector Assmbly

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