Device Interface Bulletin

Connecting a T5 Series FMS to a Verifone Smart Fuel Controller

Applicable Models

- T5 Series (including TS-550 evo) Fuel Management Systems

Overview

This document explains how to connect a T5 Series Fuel Management System to a Verifone Smart Fuel Controller for the purpose of collecting dispensing data. The data is collected by the T5 Series Fuel Management System, consolidated, and used to produce inventory reconciliation reports.

The Fuel Management System must contain the following equipment to facilitate the collecting of dispensing data.

- TS-DIMIB-Internal dispenser interface module
- TS-TRAC-Tank inventory reconciliation and autocalibration software
- TSP-GDCBL Gilbarco Universal cable kit, which includes:

  1) 600-0201 Gilbarco Current Loop Cable

  (1) 600-0202 Gilbarco RS422 Cable

  (1) 601-1003 DB9F to RJ45 Adapter

  (1) 601-1004 RJ45 to DB9M Adapter

Alternate Connections with the TSP-GDCBL

Smart Fuel Controller Connection

Follow directions below to connect the INCON TS-EMS, T5 series console to VeriFone's Smart Fuel Controller (SFC). Using this interface allows obtaining sales information for Inventory Reconciliation or Vapor Recovery Monitoring.

At this time, VeriFone only supports Gilbarco dispensers. Therefore a Gilbarco Dispenser Interface Module (DIM) cable part number TSP-GDCBL will be required.

Note: Sites with 9 or more dispensers will require a second Dispenser Interface Module (DIM) and a second cable.

1. To begin, you will need to modify the 600-0201 cable from the TSP-GDCBL. Cut the "Y" end off and discard. This will remove two of the DB9 connectors leaving you with an 8' section of cable containing a Red and a Black wire (Figure 1).

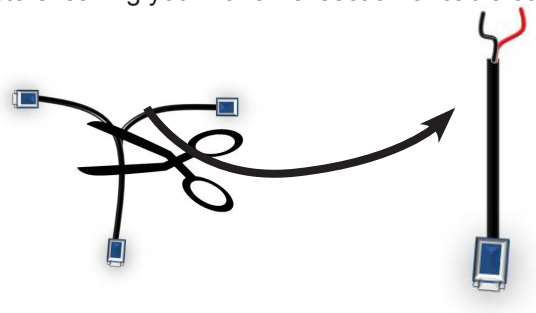

Figure 1: Cut the TSP-GDCBL

2. Power down the SFC and locate the current loop wire from the AUX board to the distribution board.

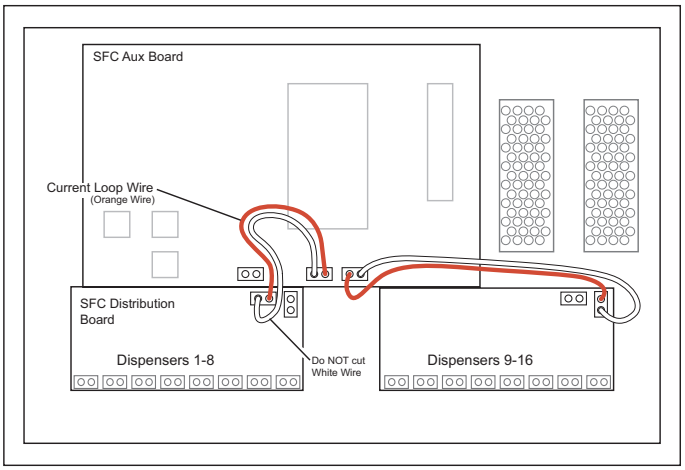

Figure 2: Smart Fuel Controller Connection

3. Locate the middle point in the Current Loop wire and cut the negative polarity (orange) wire.
4. Connect the positive (red) wire on the 600-0201 to the negative side of the orange wire closest to the SFC distribution board.
5. Connect the negative (black) wire on the 600-0201 to the positive side of the orange wire closest to the SFC AUX board.

Note: Do NOT cut the white wire going from the AUX board to the distribution board.

6. Power down the DIM or T5 series gauge and connect the 600-0201 cable to the DIM current Loop port.

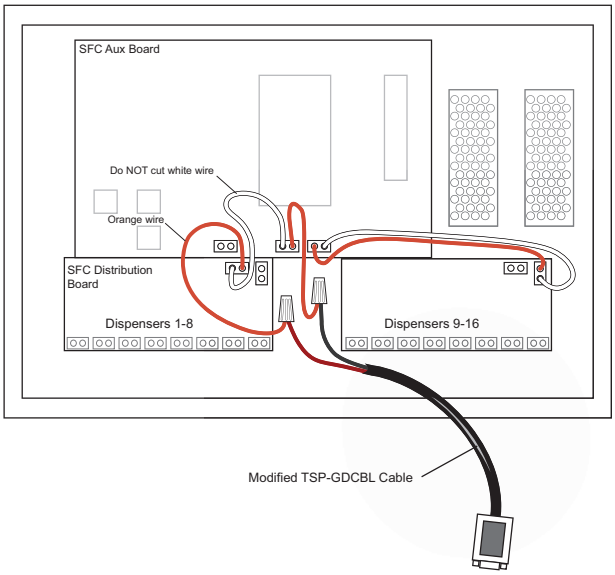

Figure 3: Modified TSP-GDCBL Cable Installation

7. Power up the T5/DIM and the SFC.
8. Program the DIM/T5 as you normally would for a Gilbarco Current Loop system.

Refer to the TS-DIM II Installation Guide 000-2044 or the TS-VRM installation manual for details.