

Connecting a T5 Series FMS to a Wayne Fusion Forecourt System

Overview

This document explains how to connect a T5 Series Fuel Management System to a Wayne Fusion Forecourt System 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 T5 Series 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
 - TS-WDCBL-Dresser Wayne Adapter Cable
1. Setup the Fusion as described in the “Fusion Installation-HyperPIB-PAM-Console” manual. See Step A Below.
 2. Reboot the Fusion after changing the Fusion configuration.
 3. Verify the Fusion setting.
 4. Setup the Dispenser Interface section of the console at it would normally setup for Wayne Dispensers.
 5. Connect the Wayne DIM cable (600-0203)
 - a. If the site has 6 or less dispensers, wire the cable to GRIB Port 4
 - b. If the site has more than 6 dispensers, wire the cable to GRIB Port 9 (on second Grib board).
 6. Using Loop 1 of the Wayne DIM cable, install the RED wire into Pin 1 and the BLACK wire to PIN 4.
 7. Once the connection has been made verify communication across the GRIB port by looking at the LEDs for the GRIB port that the DIM is connected to
 - a. If the LEDs are on SOLID the loop is broken, which means either the Fusion is setup incorrectly or the DIM is not properly wired to the Fusion.
 - b. If the LEDs are flickering quickly, the Fusion is communicating properly with the DIM
 8. Once communication has been established you need to break all current loops and save the Line Factors.
 - a. Disconnect each and every GRIB port connector that has a dispenser wired to it, but leave the DIM connected. Leave each of the ports disconnected for one minute.
 - b. Reconnect all of the GRIB Port connectors and wait another minute.
 - c. On the T5 Series console under Tools, select Save Line Factors
 9. Query the dispensers per the T5 Series Programming Manual.

Configure Wayne Fusion

1. Login in to Fusion-Select Configuration>Generic
2. From Drop Down Select BIR Port click Search
3. If the site has 6 or less dispensers wire the cable to GRIB Port 4
4. If the site has more than 6 dispensers wire the cable to GRIB Port 9 (on second GRIB board)
 - Be sure to click enabled link to change to 1-enabled
 - Second Port should be left blank and second port pump set to 0
 - Once complete, “Submit to Fusion” link must be clicked to save GRIB port setup.