

## Device Interface Bulletin

### Connecting a FMS Console to a Generic POS Device

#### Applicable Models

- T5 Series (including TS-550 evo) Fuel Management System
- Colibri Tank Monitor

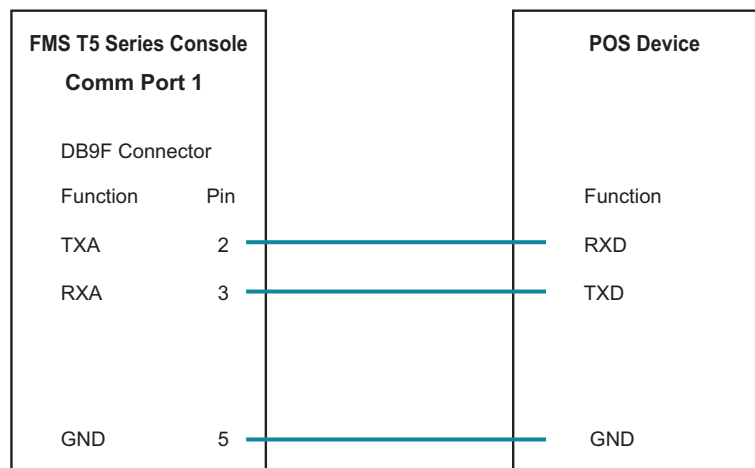
#### Overview

The Franklin Fueling Systems T5 Series Fuel Management System or Colibri Tank Monitor can be connected to many Point of Sale (POS) devices to allow for the collection of tank information by the POS. Every POS is different and may need certain options installed or programming done in order to communicate with the T5 Series tank gauge.

#### RS232 communication

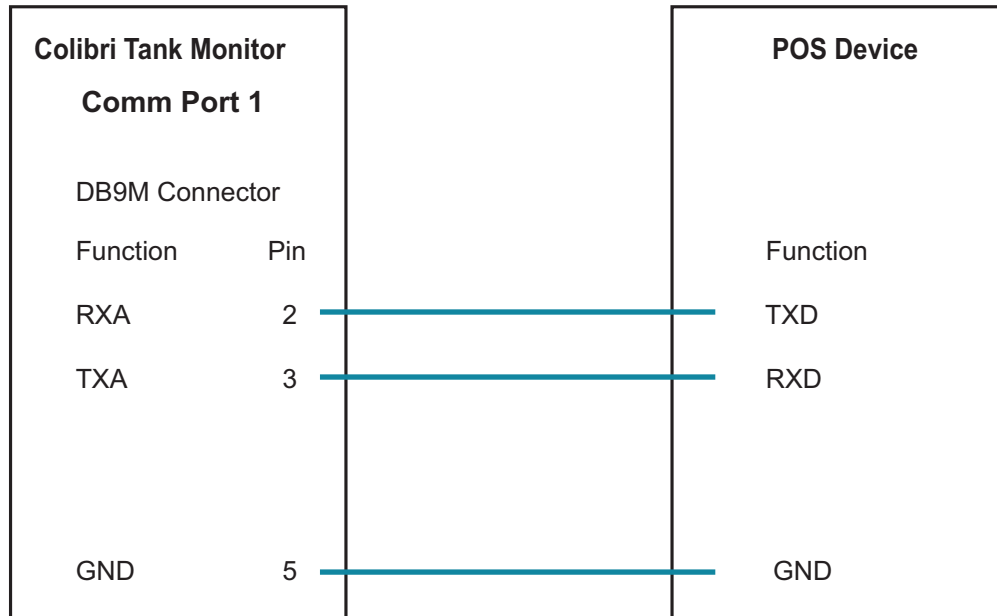
A cable must be created to accomplish the interface. A shielded cable is recommended with at least three conductors. This will require a DB9-male connector on the T5 Series end, or a DB9-female connector on the Colibri end of the cable. Information on the POS connector will need to be obtained from the POS manufacturer. This information should include:

- Tank monitor port identification
- Port pinout information
  - RXD - receive pin location
  - TXD - transmit pin location
  - GND - ground pin location
- Communication parameters
  - Baud Rate
  - Data Bits
  - Stop Bit
  - Parity



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- Connect the DB9-male connector to Comm 1 on the FMS Console (Comm port 1 on the T5 Series).
- Connect the other end of the cable to the POS device.

## Programming

The FMS Console Comm port 1 needs to be programmed for communication to the POS. Enter the following communication parameters to match those of the POS.

- Mode
- Baud Rate
- Data Bits
- Parity
- Stop Bits

## TS5/TS550/TS5000/Colibri System/Configuration/Comm 1

Example:

COMM 1	
Mode	Veeder-Root
Baud Rate	1200
Data Bits	7
Parity	Even
Stop Bits	1

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## TS550 evo

Setup/Parameters/Communications/Serial Ports/Comm 1

Example:

<b>Communications</b>		
<b>Serial Ports</b>		
<b>COMM 1</b>	Mode	Veeder-Root
	Baud Rate	1200
	Data Bits	7
	Parity	Even
	Stop Bits	1

Refer to information from the POS manufacturer concerning possible initialization of the port or confirmation that information is being received by the device.

## Ethernet Port Communication

POS systems that have the ability to retrieve tank information via Ethernet port can connect to a T5 Series or Colibri tank monitor and retrieve inventory information. Port information must be provided by the POS manufacturer. The T5 Series or Colibri tank monitors comes with a standard functioning Ethernet port.

## TS5/TS550/TS5000/Colibri

System/Configuration/Protocol Settings

Protocol Settings	
Veeder-Root Port	8001
Veeder-Root Client Timeout	0
Web Server Secondary Port	10001

## TS550evo

System/Setup/Parameters/Communications/Protocols

<b>Communications</b>		
<b>Serial Ports</b> »	...	...
<b>Modem</b>	Type	None
<b>Protocols</b>	Veeder-Root Port	8001
	Veeder-Root Client Timeout	0

On the FMS Console, the Veeder-Root Port number should be entered to match the port number that is being used to retrieve tank inventory information on the POS.