

TLS-RF Wireless System

for Above Ground Storage Tank (AST) Applications

Reliable Wireless Technology

Now in Easy to Order 1-4 Tank Kits

Simple and reliable way to monitor aboveground storage tanks

The TLS-RF Wireless System is an ideal solution for Fleet Fueling Operators that need a quick, easy, and cost effective solution to their Inventory Management needs associated with ASTs. With its robust design and high reliability, TLS-RF Wireless System is a quick and affordable way to utilize Veeder-Root industry renowned Automatic Tank Gauge technology to help automate your fuel management processes.

TLS-RF Wireless

The TLS-RF System uses industrial grade radio signal with license-free 900MHz frequency hopping technology in North America. For each tank, a transmitter with battery package is wired to a Mag Plus probe in that tank. Transmitter then communicates through radio wave to a TLS-RF Console Interface Box with radio receiver attached to it. The Console Interface Box then converts the radio signal into data the TLS can interpret as if regular wired probe signal.

In order to provide best in class wireless tank gauging performance, the TLS-RF system transfers data between transmitter and receiver at a much shorter time interval than competitive alternatives, which ensures real time reflection of inventory level and makes delivery and dispensing detection.

Available Now in Easy to Order Pre-Packaged Kits

These kits include various combinations of the part numbers below. They may be ordered with or without Printer and/or with or without TCP/IP and/or SiteFax Modem.

Approvals

- UL / cUL approved
- FCC part 15 compliant



Kit Components	Part Number	1 Tank Qty	2 Tank Qty	3 Tank Qty	4 Tank Qty
TLS-300C with Printer	848590-521	1	1	N/A	N/A
TLS-300i with Printer	848590-421	N/A	N/A	1	1
TLS-300C without Printer	848590-511	1	1	N/A	N/A
TLS-300i without Printer	848590-411	N/A	N/A	1	1
Mag Plus Inventory only Probe w/ Water Detection	846391-3XX	1	2	3	4
Mag Plus Probe Installation Kit (Float Kit)	846400-XXX	1	2	3	4
900 MHz Radio System, 1 - 8 Probe & Sensor Kit (AST) (See section 5.0 for more details)	858090-119	1	1	1	1
900 MHz Battery Powered Sensor / Probe Transmitter Kit (See section 5.0 for more details)	858090-001	1	2	3	4
TCP/IP Module	330020-424	1	1	1	1
SiteFax Modem	331398-001	1	1	1	1

Configuration			Kit Part Number			
Integral Printer	SiteFax Modem	TCP/IP Module	1 Tank	2 Tank	3 Tank	4 Tank
Yes	No	No	WRFPN1	WRFPN2	WRFPN3	WRFPN4
Yes	Yes	No	WRFPS1	WRFPS2	WRFPS3	WRFPS4
Yes	No	Yes	WRFPT1	WRFPT2	WRFPT3	WRFPT4
No	No	No	WRFNN1	WRFNN2	WRFNN3	WRFNN4
No	Yes	No	WRFNS1	WRFNS2	WRFNS3	WRFNS4
No	No	Yes	WRFNT1	WRFNT2	WRFNT3	WRFNT4

Features and Benefits

Inventory control and sensor monitoring without the expense of wiring:

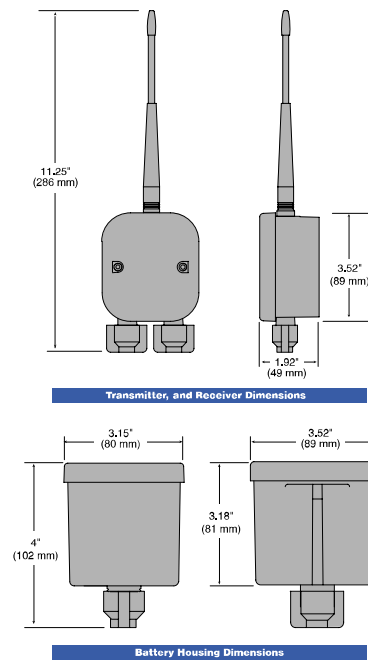
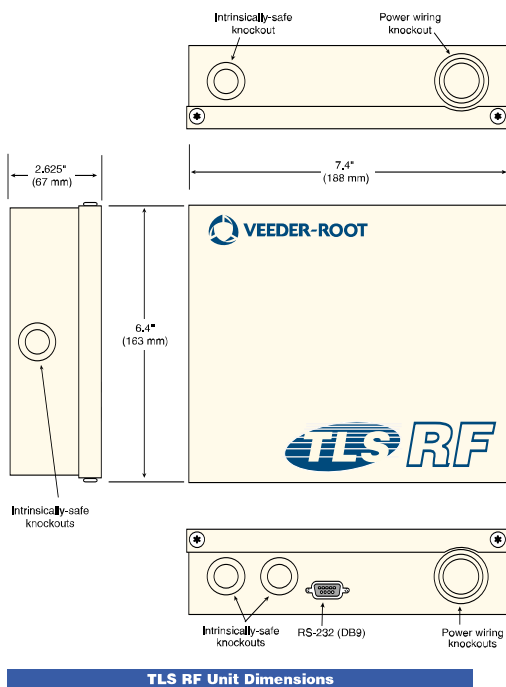
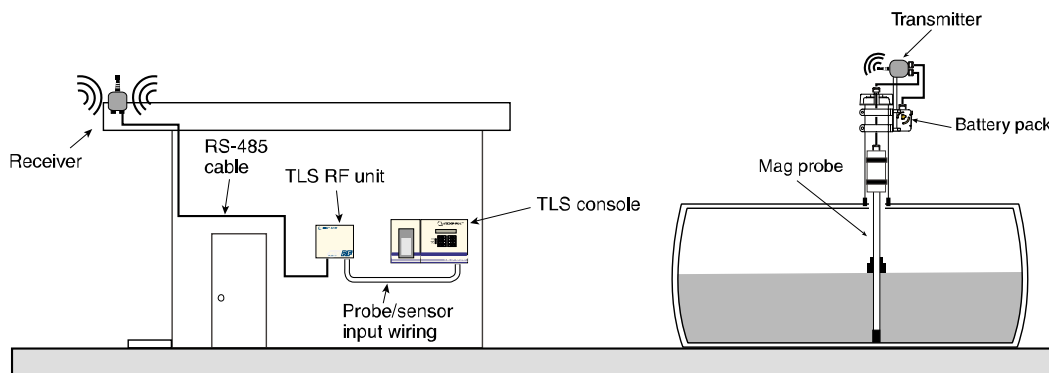
- Easy installation
- TLS inventory management functionality
- Battery life up to two years
- NEMA 6 equiv package
- Uses standard TLS consoles or EMC, ProPlus/ProMax equivalent
- Range: Up to 1 mile direct line of sight with transmitter above ground*
- Optional TCP/IP or SiteFax modem available for easy network integration
- Optional Integral printer option available for good record keeping

* Range varies by application

Ease of installation Rugged and Reliable.

Installation accessories and replacement/spare parts	Part Number
TLS-RF Console (with mounting hardware)	330020-523
900 MHz Repeater (with mounting hardware)	330020-518
900 MHz Transmitter (without mounting hardware)	330020-524
900 MHz Receiver (without mounting hardware) Replacement	330020-516
Battery Pack	330020-527
Receiver/Repeater Installation Hardware Set (inc. bracket and screws)	330020-453
Transmitter Installation Hardware Set	330020-522
RS-485 Cable	332455-XXX

TLS RF Wireless System Components



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