



Wireless Fuel Oil Level Monitoring System

INSTALLATION INSTRUCTIONS

FCC ID: S6T-377A

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

The Rocket 7000 System includes the following components:

Transmitter "Rocket" with gasket
Receiver with LCD display
Metal Adapter (2" NPT) No. 7020
Mounting Screws (2)

Tools Required:

Pipe Wrench
Thread Sealant
Star/Philips Screw driver

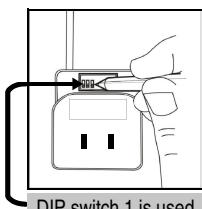
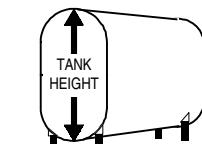
INSTALLATION STEPS

1. CONFIGURING THE RECEIVER

Determine the total tank height either by making a direct measurement or using the Table on the reverse side. The Receiver comes programmed from the factory for standard 275 or 330 gal upright (Vertical) Steel tanks.

The Rocket 7000 system is capable of measuring fuel level in a tank up to 10 ft in height. A row of DIP switches is located on the back of the Receiver. After determining the tank height use Table I to locate the correct DIP switch setting for your tank.

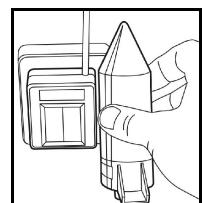
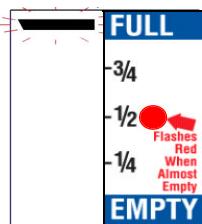
Use the tip of a small screwdriver or a pen to set the switches according to the table. Toggling an individual switch at the top (towards the antenna) will put it into the



DIP switch 1 is used for enabling (ON-Default) or disabling (OFF) the audible low fuel level warning.

2. PREPARING FOR MOUNTING ONTO TANK

Using a pipe wrench, if necessary, loosen the metal plug in an unused opening at the top of your tank, but leave it in the tank until you're ready to mount the Rocket transmitter onto the tank. This will avoid unnecessary fuel oil



3. SYNCHRONIZING THE RECEIVER TO THE TRANSMITTER

Each Rocket 7000 Transmitter is manufactured to have its own unique digital signature. The Receiver must be synchronized ("matched") to the Transmitter and after that the Receiver will only respond to signals received from that Transmitter. This allows multiple Transmitter/Receiver pairs to be located in the same area. Also, multiple Receivers can be synchronized to the same Transmitter.

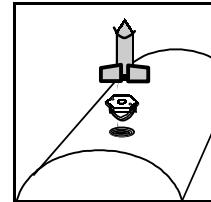
To synchronize the Receiver to the Transmitter, plug the Receiver into a convenient 110 Volt electrical outlet that is powered ON. The digital LCD display on the receiver will show a flashing top bar as shown in the figure. The bar will flash for about 2 minutes which should allow plenty of time to synchronize with the Transmitter. Hold the Transmitter against the right side of the Receiver so that the "dots" on the side of each device are essentially touching for about 20 seconds. During the synchronization process the bars will go from one to ten. When all ten bars appear, they will flash to indicate that the synchronization process is complete.

The transmitter stays in transmit mode for about 2 min-

INSTALLATION STEPS—CONTINUED

4. INSTALLING THE TRANSMITTER

The Rocket 7000 System comes with a metal adapter that will screw into a 2" NPT opening in the tank. (For 1½" or 1¼" NPT openings, please contact a participating distributor for a correctly sized adapter). Put pipe sealant on the Adapter threads and tighten the Adapter into the tank opening. Fasten the Transmitter into the Adapter using the two Philips head screws provided. **Do not over tighten.**

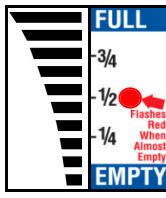


CONGRATULATIONS! You have completed the installation of the Rocket 7000 system. If the Transmitter was installed within 2 minutes after the synchronization process, the Receiver should now show the correct fuel level. Thereafter, the transmitter will send the fuel level to the Receiver once every hour. If you have a mechanical float gauge on your tank, you can now verify that the Rocket 7000 system is reading the same level.

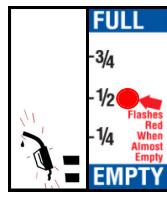
NORMAL OPERATION

The Rocket 7000 system uses ultrasonic radio wave technology to measure the fuel level in the tank. It then uses wireless transmission to send the measured fuel level to the Receiver. To preserve battery life, the measurements and transmissions are done once every hour.

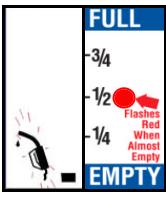
NORMAL RECEIVER LCD SCREEN DISPLAYS



FULL



ALMOST EMPTY



EMPTY
LIGHT FLASHES
BEEPS EVERY HOUR

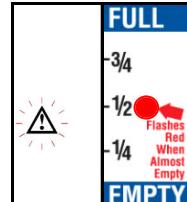
TROUBLE SHOOTING

NOTE: In the event of a power failure or if the Receiver is unplugged, it is **not necessary to re-synchronize the Receiver with the Transmitter**. When the Receiver is back under power, the top bar on the LCD display will flash for 2 minutes and the display will then go blank until a signal is received from the Transmitter, which could take up to one hour.

FLASHING TRIANGLE—NO BARS DISPLAYED

Indicates that the receiver has not received a signal for two hours. Possible causes are:

- Receiver not matched to transmitter—Resynchronize
- Receiver location not suitable—Relocate receiver
- Failed Battery—Replace Battery (use 3 Volt CR2430)
- Moisture inside Transmitter (broken seal)



FLASHING TRIANGLE—MIDDLE BAR DISPLAYED

Indicates that the Transmitter is not receiving an echo from its ultrasonic signal inside the tank. Likely cause:

- Condensation on the sensing surface at the bottom of the Transmitter. Allow time to dry. If condition persists, remove Transmitter from the tank and clean sensor surface and verify that the seal is undamaged.

