IONIT NETWORKS

VISITANK®

Prior to beginning installation of the IONIT components at a home or business location, please **read through the entire set of instructions** and verify that you have all of the items needed for a successful installation. **Note:** Prior reading of VisiTank document titled "Tips for Successful VisiTank® Field Installation" is strongly recommended prior to attempting an installation.

Intended Use of Equipment

The VisiTank® system by IONIT Networks is designed to provide remote monitoring capabilities of liquid levels in storage tanks. Typical applications include fuel, water, chemicals and waste oils.

Components Included in No. 9500 VisiTank® Kit

- ☐ (1) No. 9070 or 9071 Ultrasonic Sensor/Transmitter w/screws
- ☐ (2) No. 7020 2" NPT Tank Adapter (1½", 1¼" and others available by special order)
- ☐ (3) No. 9400 Broadband Internet Hub
- ☐ (4) No. 9420 USB DC Power Supply Adapter for Hub (Not shown)
- ☐ (5) No. 9430 Ehternet Cable-7ft for Hub (Not shown)

Tools and Optional Test Equipment

- ☐ 18" Pipe Wrench to remove tank plug (3-4ft length of 2" pipe may be needed)
- ☐ Thread Sealant for 7020 Tank Adapter
- ☐ Screw Driver (Philips or Slotted) to fasten Sensor to Tank Adapter
- ☐ Smart phone with Internet connectivity

(1)

(2)

Technical Specifications

The VisiTank® system has been rated as (Class II) equipment degree (2). It is designed to operate under the following environmental conditions: (a) Indoor use, (b) Temperature 40°F to 104°F, (c) Maximum relative humidity of 80% for temperatures up to 88°F, decreasing linearly to 50% relative humidity at 104°F.

Hub:

⚠ Risk of electrical shock

The hub is powered by a UL listed Class 2 power supply; (input: 100-240 VAC, 200mA, 47-63Hz– Output: 4.5-9.5 VDC, 800mA), and connects to the consumer's broadband Internet router with a standard RJ45 connector. Replacement power supply (#9420) is available from IONIT Networks LLC.

Sensor:

The Sensor is powered by a 3V DC Lithium cell battery, CR2430, which should last 10+ years under normal circumstances. Replacement battery instructions are listed on the Sensor label.

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.
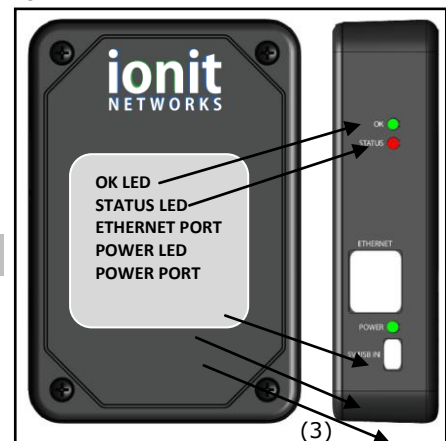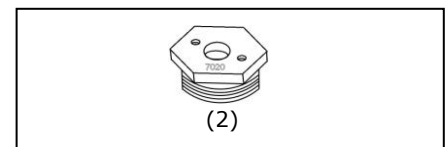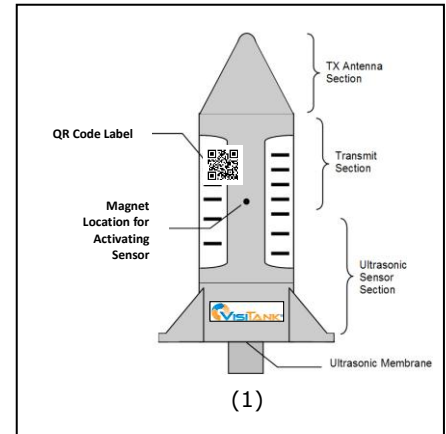

(3)

Preparation

P1. Prepare the tank by removing one of the tank plugs and installing the appropriate Tank Adapter. Note the fuel level. If the Sensor must be mounted on a raised manhole cover or nipple, it must be at least 3" diameter. Measure the distance from the top of the tank to the "VisiTank" logo label on the Sensor. Record this value in the Sensor Offset box on the Installation Form.

P2. Select a suitable final location for the Hub. A power outlet and an open available network connection on the consumer's router are needed.

Installation Steps

1. **Install Hub:** Connect the USB power supply securely to the Hub. The OK (top) and Power (bottom) LED indicators on the Hub will light Green and the Status (middle) LED will flash Red to indicate that the device is ready.

2. **Activate Sensor:** Now activate the Sensor by placing a magnet next to the black dot on the Sensor's label for ~30 seconds. The Status LED on the Hub will blink.

3. **Install Sensor:** Using the pipe wrench remove a tank plug. Thread the 2" NPT Tank Adapter into the plug hole. Secure the Sensor to the Tank Adapter using the gasket and screws provided.

4. **GeoLocate Hub:** Using your smart phone, scan the QR code on the 9400 Hub (also found on the box). When prompted log into your IONIT account (click "Remember Me"). Click 'Get Current Location' to use your phone's GPS to get your position (ensure your GPS is turned on), and then input other identifying details such as Customer ID or a Customer Label (e.g. Mr. Jone's House).

5. **GeoLocate Sensor:** Using your smart phone, scan the QR code on the 9070 rocket sensor (also found on the box) and repeat the details in instruction #4.

6. **Verify Tank Level:** Using your smart phone, scan the QR code found on the 9070 Sensor to view the current tank gauge level.

Installation has been successful!

9-5573-03

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IMPORTANT INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Do not change or modify the device. Any modifications will void your authority to operate the equipment.

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