



Electronic Sensors, Inc.

9145 Diver[®] RF Wireless Submersible Level Sensing System

DESCRIPTION

The *Level Devil*[®] 9145 **Diver[®] RF** is a state-of-the-art integrated pressure gauge and RF (radio frequency) transmitter. It reports the level of a single liquid storage tank to a solar powered RF transmitter attached to the tank. This level data is then transmitted wireless to a local receiver which is attached to an analog phone line. Installation of the **Diver[®] RF** is simple and inexpensive. The **Diver[®] RF** probe is lowered through a tank's top opening to rest on the bottom. The transmitter is threaded into a 2 inch NPT tank opening. The **Diver[®] RF** transmitter is powered either by the solar panel or a battery. The receiving unit is attached to 110 VAC power and stores and transmits data.

OPERATION

With the **Diver[®] RF** probe resting at the bottom of a tank, any liquid above it causes pressure which the **Diver[®] RF** probe senses. Pressure information is converted to level information inside the **Diver[®] RF** transmitter. This data is sent by a wireless data link to the **Diver[®] RF** receiver, where it is stored for later transmission over a standard telephone connection. The **Diver[®] RF** receiver may be programmed to call out upon an alarm, accept inbound calls from the collection center and/or call out at regular scheduled reporting intervals. The **Diver[®] RF** receiver may be connected on the same phone line as fax machines, computers and answering machines, and requires 110 VAC indoor power.

SPECIFICATIONS

Tank Hardware

Operating Temperature: -20°F to 140°F

Range: 3.25 psi/7 foot water column
6.5 psi/15 foot water column
13 psi/30 foot water column

Weight: 3.8 lbs.

Mounting: Sensor rests on bottom of tank;
Transmitter screws into 2 inch NPT

Exposed material: PVC, Epoxy Fluoro Silicone gel
Polyethylene, Stainless Steel, Nylon
and Nitrile (Buna-N) Rubber

Warranty: 1Year

Receiver

Monitoring Capacity: 4 tanks (-RM4)
6 tanks (-RM6)
30 tanks (-RM30)

Phone Line Modes: Answer or call out

Maximum Distance from Transmitter: 1500 Feet

Operating Temperature: -20°F to 140°F

Input Power: 120 VAC, 60 Hz

Mounting: Indoor only, wall hanging or desktop

Weight: 1.0 lbs

Warranty: 1Year.



Electronic Sensors, Inc.

**1611 W. Harry
Wichita, KS 67213**

Rev. 08/02

Phone: 316-267-2807
Toll Free: 800-886-2511
Fax: 316-267-2819
Email: leveldevil@leveldevil.com
Home Page: www.leveldevil.com

Level Devil[®]
Bulk Inventory Management Solutions

9145 Diver[®] RF - Wireless Submersible Level Sensing System

HOW TO ORDER

9145-T7-S-8 — 3.25 psi/7 foot water column pressure sensor, solar powered with 8 foot cable.

9145-T7-B-8 — 3.25 psi/7 foot water column pressure sensor, battery powered with 8 foot cable.

9145-T15-S-20 — 6.5 psi/15 foot water column pressure sensor, solar powered with 20 foot cable.

9145-T15-B-20 — 6.5 psi/15 foot water column pressure sensor, battery powered with 20 foot cable.

9145-T30-S-35 — 13 psi/30 foot water column pressure sensor, solar powered with 35 foot cable.

9145-T30-B-35 — 13 psi/30 foot water column pressure sensor, battery powered with 35 foot cable.

Receiver:
NO MONTHLY FEE

9140-RM4-AC — Receiver for up to 4 tanks, AC powered with modem.

9140-RM6-AC — Receiver for up to 6 tanks, AC powered with modem.

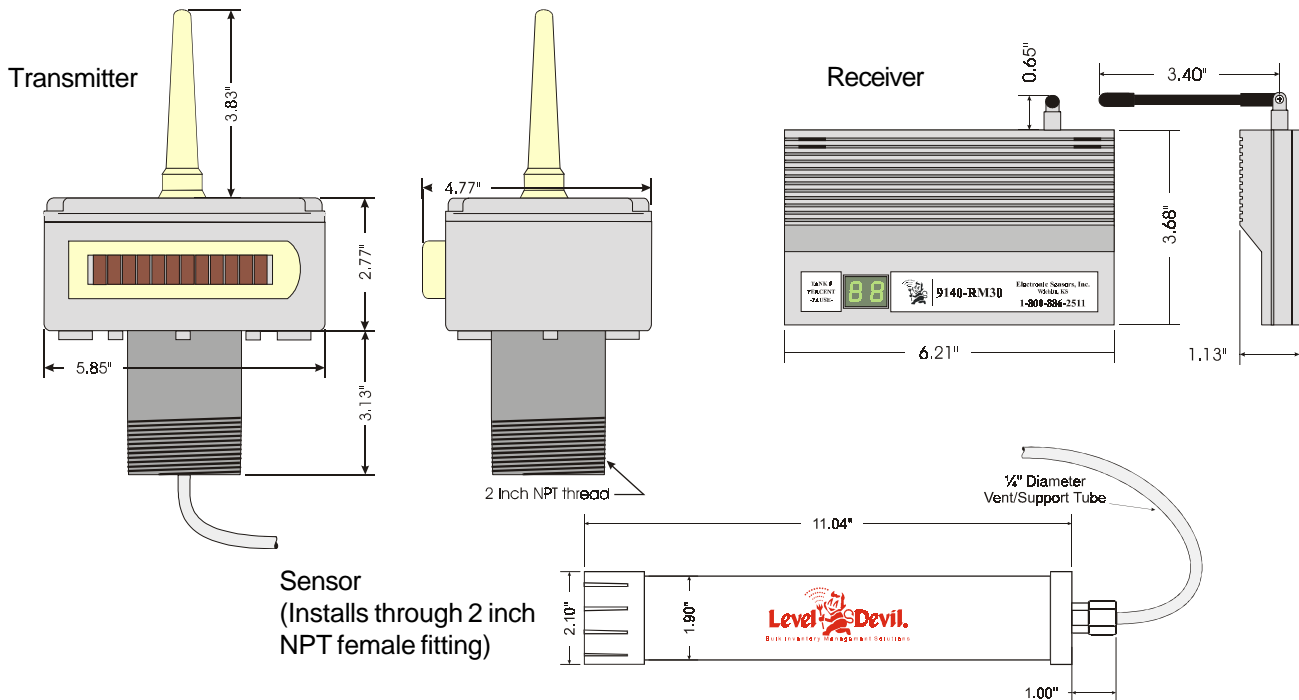
9140-RM30-AC — Receiver for up to 30 tanks, AC powered with modem.

SUPPORTING SOFTWARE

Level Devil[®] Software

See separate specification sheet.

OUTLINE DRAWINGS



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Your Area Representative:



Electronic Sensors, Inc.

1611 W. Harry • Wichita, KS 67213

Phone: 316-267-2807 • Fax: 316-267-2819

Toll Free: 800-886-2511

Email: leveldevil@leveldevil.com

Home Page: www.leveldevil.com

