



## Digital Tank Level Monitor Kit Instruction Sheet

Product	Description	Package Contents
Digital Tank Level Monitor Kit Part no. 03-69-017	Fluid level monitoring system for plastic holding tanks.	<ul style="list-style-type: none"><li>Digital Tank Level Monitor display panel with LED indicator light (12-volt only)</li><li>Digital Tank Level Monitor 3-wire sensor with 12" (305 mm) wire leads</li><li>Fuse holder with fuse</li></ul>

**WARNING:** Read this Instruction Sheet carefully prior to using this device. Failure to understand and follow these instructions may result in electrical shock, fire and/or serious personal injury.

### SPECIFICATIONS

- Voltage rating: 12 to 24 VDC. Minimum recommended 6 VDC; max 28 VDC.
- Low current draw, "always on" reliability. Operates off solar cell amperage for remote locations.
- Sensor draws 0.120 mA not activated; <0.5 mA activated.
- Can connect to an indicator panel, audio buzzer or relay to remote signaling device.
- No damage if wired with reverse polarity.
- Self-resetting 1.1 amp-dc internal fuse on output. 250 mA max continuous load current. Actual carry current dependent on ambient and fluid temperature.

### INSTALLATION

#### Sensor Installation

##### Sensor location

- The Digital Tank Level Monitor sensor is not affected by freezing temperature but DO NOT mount where it will be exposed to road salt, rain or excessive moisture.
- The sensor does not bend. It should be attached to a FLAT surface on the tank exterior at a level where you want to be alerted of a high (or low) level liquid condition.
- The rear of the sensor should have 1" (25 mm) of clearance from wiring or other surfaces and objects.
- Use isopropyl alcohol to clean the surface where the sensor will be mounted. Allow alcohol to dry.
- To temporarily locate the sensor before permanently mounting it, use masking tape to mount the sensor.
- Peel off the protective backing on the sensor adhesive and press firmly against FLAT surface of tank.
- Allow at least 36 hours for full cure time.

#### LED Indicator Panel Installation

##### LED Indicator location

- Be sure there is access for wiring and 1 ¼" (32 mm) of clearance behind the panel where you want to mount the LED Indicator Panel.
- Using the LED Indicator Panel as a template, mark the two mounting hole positions on the mounting surface.
- Drill two 3/32" pilot holes and secure the panel to the mounting surface with #6 screws.

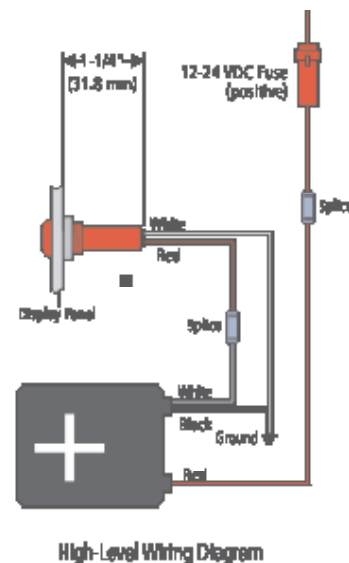
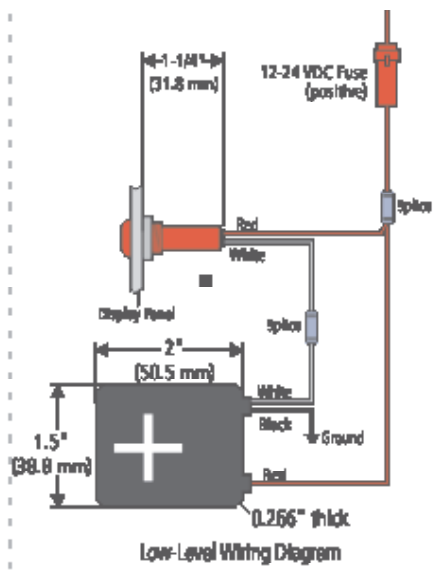
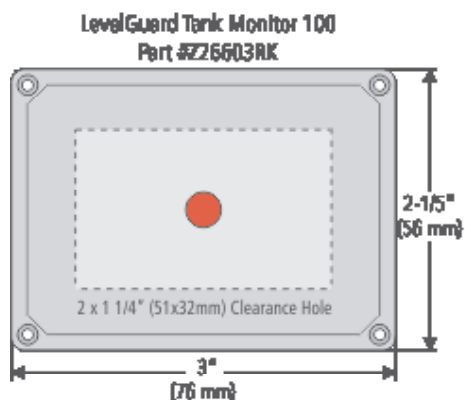
### WIRING & ASSEMBLY

- Sensor wire leads are 12" (305 mm) long. Use high quality 18 AWG, stranded copper wire for interconnection of system
- Sensor can power the LED Indicator or connect to a user-supplied indicator such as an audio buzzer or a relay to remote signaling device.
- Sensor can be wired either as a HIGH-level detector or a LOW-level detector. See wiring diagram (reverse side).
- Sensor draws 0.120 mA when de-activated; < 0.5 mA when activated.

### OPERATING INSTRUCTIONS

The Digital Tank Level Monitor sensor has Automatic "Slosh" Filtering with the following characteristics:

- 8 seconds fluid sensing before activation (for either low-level or high-level sensing)
- 4 seconds without momentary activation before switching "off"



## ONE-YEAR LIMITED WARRANTY

The LevelGuard Tank Monitor 100 is warranted for one (1) year from date of purchase, for manufacturer's defects ONLY.

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### Waste handling & material recycling

At the product's end of life, please dispose of the product according to applicable law. Where applicable, please disassemble the product and recycle the parts according to material.

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