



Digital Bilge High Water Alarm Kit Instruction Sheet

Product	Description	Package Contents
Digital Bilge High Water Alarm Kit Part no. 12V/24V 01-69-042, 01-39-044 (bulk)	Submersible Liquid Level Sensor with Alarm Panel.	<ul style="list-style-type: none">Digital Bilge High Water Alarm panel (1 LED + piezo horn alarm) with 6" (152mm) wire leadsDigital Bilge High Water Alarm sensor (screw-mounted) with 12" (305mm) wire leadsFuse holder with fuse

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: 10.5 to 14.4 VDC.
- Requires one 1-amp fuse on positive lead to sensor.
- Draws less than 20 microamps in standby mode, 60 milliamps in alarm.
- Mode: Meant for always-on direct wiring.
- Multiple alarm panels (fore and aft) can be controlled by one sensor.
- CAUTION: Do NOT connect through ignition.

INSTALLATION

Detector Cell Installation

12V

- Attach Digital Bilge High Water Detector Cell at the highest acceptable water level in the bilge. Attach to bulkhead or stringer.
- NOTE: If attaching to a flat surface make sure to use a minimum of ¼" foam or rubber or a spacer to separate the detector cell from the bulkhead/stringer as water can potentially collect behind the sensor and cause a false trigger.

24V

- Position the Digital Bilge High Water Detector Cell at the highest acceptable water level in the bilge. Mount the detector cell on a block of marine plywood to reach the highest acceptable level. Glue the plywood to the hull with a waterproof adhesive (epoxy, silicone adhesive, or fiberglass resin).

Alarm Panel Installation

- Locate mounting position for Alarm Panel with sufficient clearance behind it (minimum 1 ¼")
- Cut a 2" x 1 ¼" hole for mounting the Alarm Panel.
- DO NOT install Alarm Panel until wiring is complete.
- Position the Alarm Panel into the hole and mark the four (4) holes needed for the mounting screws. Use #6 pan head screws to secure the panel.

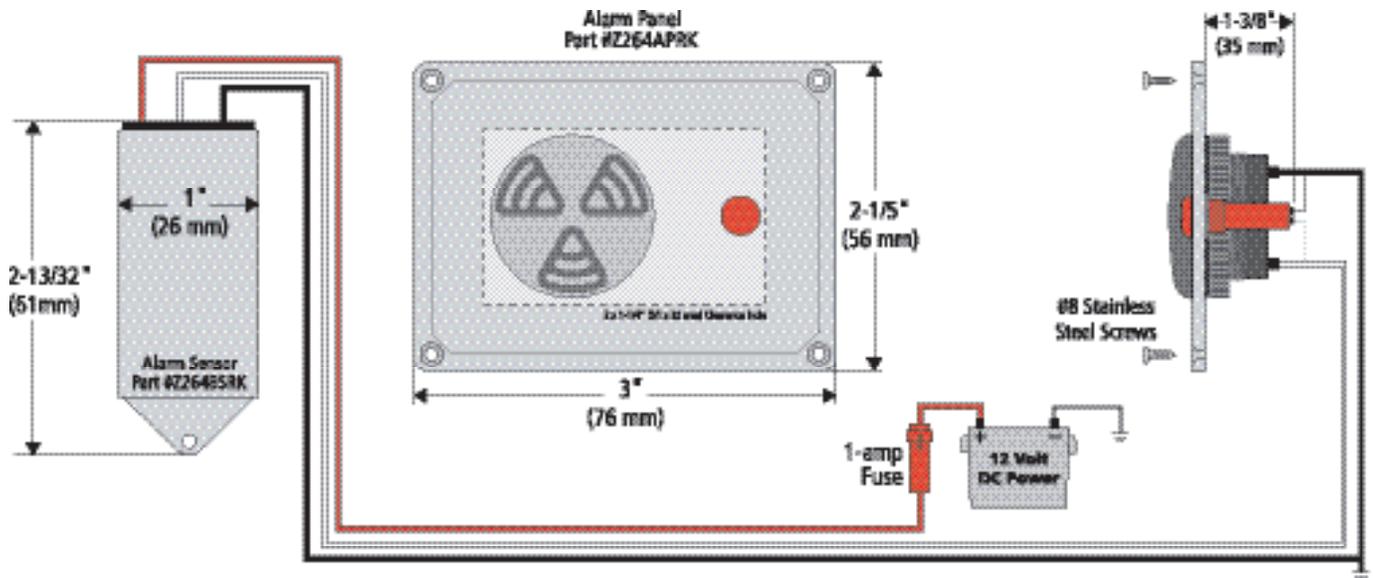
WIRING & ASSEMBLY

- Detector Cell wiring
 - Detector Cell has 12" (30.5 cm) wire leads. Use a high quality 18 AWG stranded copper wire to connect the Detector Cell with the battery and the Alarm Panel.
 - Install 1- Amp fuse (included) in-line with the RED wire between the Detector and the battery.
 - See wiring diagram for connection details (reverse side).
- Alarm Panel wiring
 - Alarm Panel leads are 6" (15.2 cm) long. Using 18 AWG stranded copper wire, wire leads as shown wiring diagram (reverse side).
 - NOTE: Low current draw allows the LevelGuard High Water Alarm to use always-on direct wiring. Do not connect through ignition (Less than 20 micro amps in Standby mode, 60 milliamps in Alarm Mode).

OPERATING INSTRUCTIONS

- At power-on, alarm sounds for a brief test.
- Alarm turns off if water stays below Detector Cell for 8 seconds; turns on if above sensor for 4 seconds.
- NOTE: Multiple Alarm Panels (example: fore and aft) can be controlled by one Detector Cell.

WIRING DIAGRAM



ONE-YEAR LIMITED WARRANTY

The Digital Bilge High Water Alarm 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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