

Kit Contains

- 1 Tank Monitor Panel
- 3 Harnesses, 4 Detectors each
- 4 Screws
- 1 Interface Module
- 1 20-ft CAT5 Cable

Description

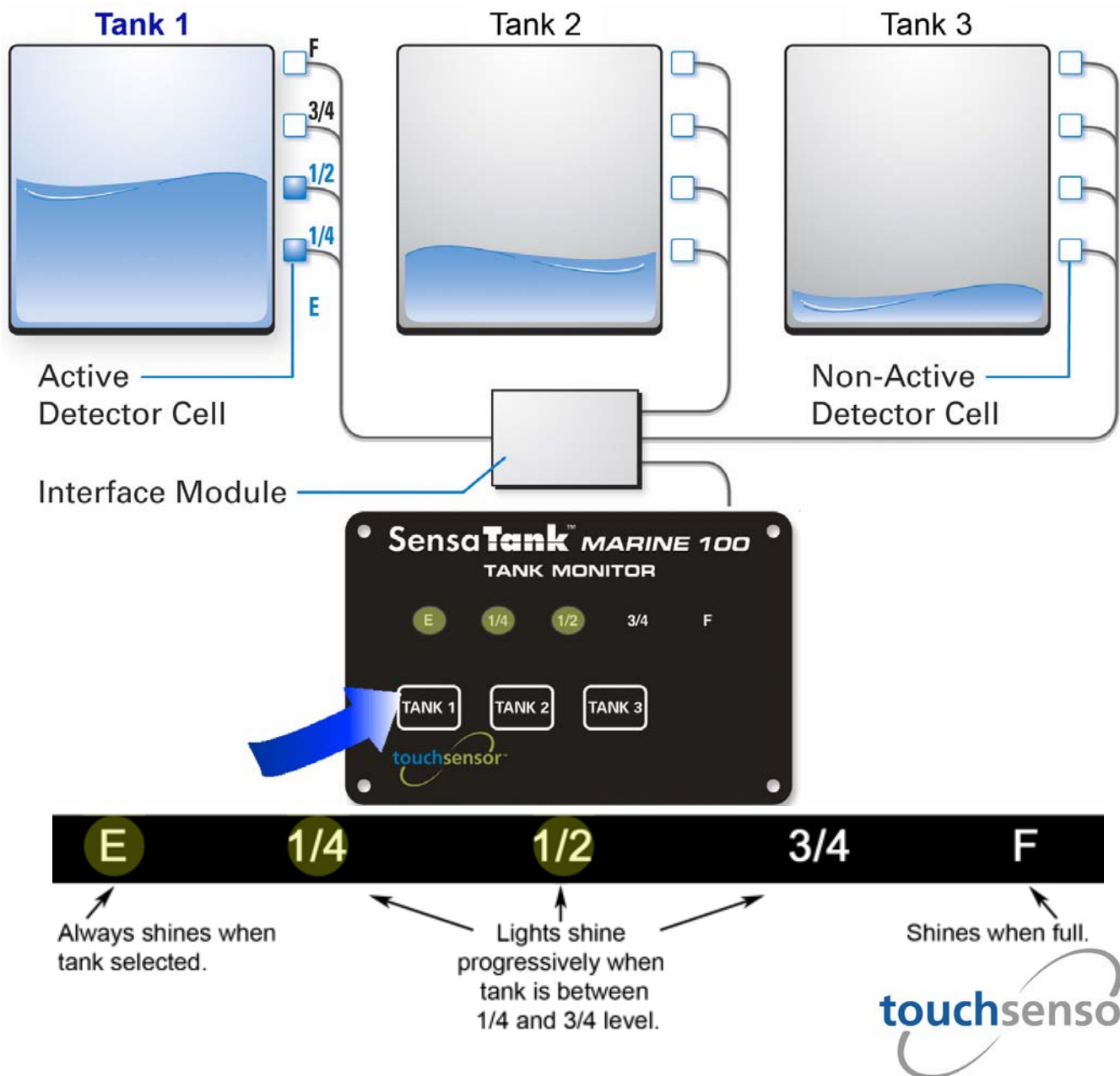
The SensaTank Marine 100 monitor is a simple low-voltage panel that remotely measures the level of 3 aqueous-fluid tanks, such as water tanks and holding tanks. This system is not for use with fuel tanks.

Simple Installation

Installation is fool-proof because Detector Cells work in parallel. Attach them in any sequence from top-to-bottom and they will still sense liquid levels accurately.

Operation

- Touch one of the 3 tank buttons to select the tank you want to monitor.
- The Tank Monitor Panel beeps to indicate that you have pressed a tank button.
- The lights shine progressively to show the level of the selected tank.



SENSATANK™ MARINE 100 INSTALLATION INSTRUCTIONS

Mounting Locations

Interface Module and Tank Monitor Panel can be damaged by moisture – mount them ONLY in dry locations.

1. Interface Module
 - Concealed area that is protected from impact
 - Within 15 feet (4.6 meters) of the tanks
 - Ambient temperature range 0° to 85° F
2. Tank Monitor Panel
 - Clearance required: 1¼" D, 4½" W x 2¼" H (32mm D, 114mm W, 57mm H)
 - 1-amp fused power source, ± 10.5 to 14.4 VDC
3. SensaTank Detector Cells
 - Mount directly to exterior of non-metallic, HDPE tanks up to 10 mm thick.

SensaTank Detector Cells

1. On each tank, find and mark FLAT points where the tank VOLUME (not height) equals ¼, ½, ¾ and Full. Maximum distance between Detector Cells is 15" (38cm), but Detector Cells do not need to be directly above each other. Also, Detectors work in parallel, so any Detector works at the "½" position, the "¾" position, etc.
2. At volume points, clean surface with 90% isopropyl alcohol (do not use rubbing alcohol because it contains lanolin).
3. Unwrap Detector Cell harness. One at a time, remove protective adhesive backing and adhere Detector Cells to FLAT points on tank wall.
4. Attach plug to Interface Module.
5. Repeat procedure to attach harnesses to remaining tanks. Plug harnesses into Interface Module.
6. Label each harness for the tank to which it is connected.
7. Keep foreign objects away from backside of Detectors (to avoid false activations)

Interface Module

1. Remove protective backing and press adhesive against clean, dry surface within 15 feet (4.6 meters) of tanks.
2. Attach 8-wire plug to PANEL 1 socket.
3. Route 8-wire modular cable to the Tank Monitor Panel. 20-ft. (6-meter) cable supplied. Longer lengths can be used.

Tank Monitor Panel

1. On flat surface cut out a 1¼" D, 4½" W x 2¼" H (32mm x 114mm x 57mm) hole.
2. Connect to back of Tank Monitor Panel:
 - 8-wire modular cable from Interface Module.
 - 12-volt DC power source (10.5 to 14.4 ±VDC) protected by 1-amp fuse. Use Tyco® connector #350848-2 or remove the supplied terminal and connect directly to fused power source.
3. Fit Tank Monitor Panel into hole and use it as template to drill four 3/32" (2.3mm) pilot holes for mounting screws.
4. Fasten Tank Monitor Panel with screws suitable for backing surface.
5. Test Console for proper display and measurement. See front of this sheet for operating instructions.

IMPORTANT:

- The Detector Cells must be in full contact with the tank wall, so press hard over entire area of detector. Any air gaps between the detectors and the tank wall will negatively affect proper operation.
- SensaTank Marine 100 is not for use with any types of fuels.

