

# TIDESMARINE

## Smart Seal Temperature Alarm System Generation II

### Installation Instructions SINGLE ENGINE



### Preparing for Installation



- 1 Locate the clean, flat, dry surface you will modify to accept the Smart Seal control panel.

Check behind the surface you will be cutting. This area should be free of any cables, wires, plumbing or other obstructions.

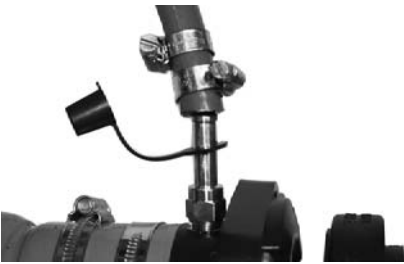
- 2 The control panel is designed to be flush mounted. Use the template provided with these instructions to mark the surface you will be cutting.
- 3 Drill a  $3/8$ " hole somewhere within the rectangular shape drawn on the flat surface.

Insert the blade of a handheld jig saw (reciprocating saw) into the  $3/8$ " hole and begin to remove the material.

Insert the control panel into the finished hole. Make sure there is sufficient backing material to accept the 4 installation screws.

# Single Engine Installation

## Sensor Ring - SureSeal™



- 1 Remove the water pick-up hose from the water injection fitting that brings water from the engine's raw water cooling system to the SureSeal™.



- 2 Slide the temperature sensor ring down over the injection fitting until the sensor ring passes onto the shoulder of the injection fitting. A loose fit is fine. Do not grease or lubricate — the system requires a dry fit.



- 3 Press the water pick-up hose back onto the injection fitting until it abuts the sensor ring, holding the ring in place. Tighten both hose clamps over the hose on the injection fitting.

- 4 "Dress" the sensor cable back from the injection fitting on the SureSeal™ to the control panel. If you have to drill a hole in the mounting surface through which you can pass the sensor cable, the diameter of this hole should be 1/4" because the "quick connect" fitting on the "control panel" end of the sensor cable is approximately 1/4" in diameter.



- 5 Press the quick-connect fitting on the sensor cable into its corresponding female fitting attached to the back of the control panel.

## Optional Remote Panel - Flush Mount



- 1 The remote panel is also designed to be flush-mounted.

Use the template provided with the assembly to mark the surface you will be cutting.

Check behind the surface you will be cutting. This area should be free of any cables, wires, plumbing or other obstructions.

- 2 Drill a 3/8" hole somewhere within the rectangular shape drawn on the flat surface.

Insert the blade of a handheld jig saw/coping saw/hole saw into the 3/8" hole and begin to remove the material.

- 3 Insert the remote panel into the finished hole. Make sure there is sufficient backing material to accept the 4 installation screws.



- 4 To connect the remote panel to the control panel, run sufficient \_\_\_ gauge 3-core wire between the two locations. Once the wire has been cut to length, trim each end of the wire to accept the appropriate quick-connect fitting (provided).



- 5 Press the quick-connect fitting into the remote panel. Press the quick-connect fitting into the control panel.

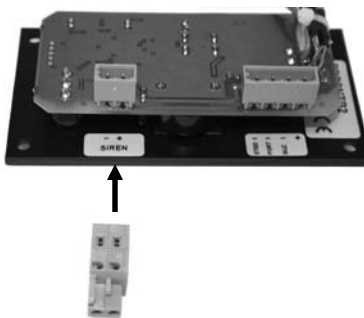
### Optional Siren - Regular Mount



- 1 The siren accessory is not a flush-mount installation.

Check behind the surface to which you are securing the siren. Make sure it is free of any cables, wires, plumbing or other obstructions.

Press the siren against the mounting surface and secure, using the screws provided.



- 2 Connect the siren to the control panel using 24 gauge 3-core wire between the two locations. Once the wire has been cut to length, trim each end of the wire to accept the appropriate quick-connect fitting (provided).

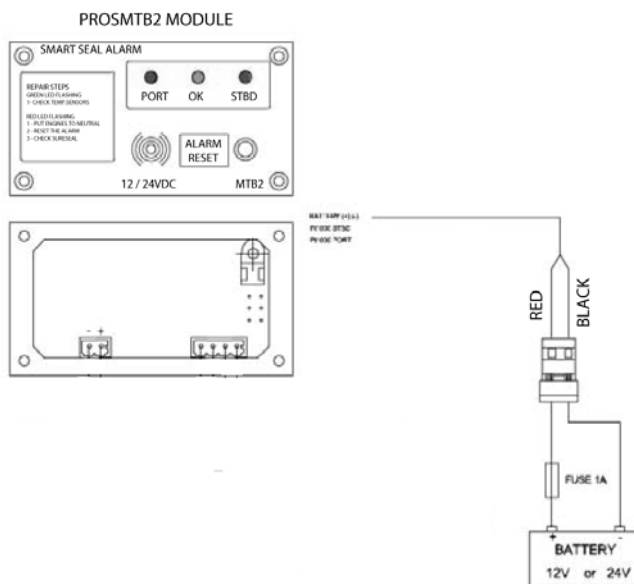


- 3 Press the quick connect fitting into the siren accessory. Press the corresponding quick-connect fitting into the control panel.



- 4 Strip the wires on the opposite end to connect them to the back of the siren. There are four settings as shown by the label on the back of the siren. Connect the negative lead to one of the four settings and the positive lead to the correct voltage input: 24 volts or 12 volts, depending on your set-up.

## Power to the Control Panel



You will need a length of red \_\_\_\_\_ gauge wire and a length of black \_\_\_\_\_ gauge wire to connect the control panel to a 12v or 24 v DC battery.

Connect the ends of the red and black wire into appropriate quick-connect fittings (provided). Make sure your harness contains a 1 amp fuse (provided) installed as show in the diagram.

## System Test



Proceed to the bridge or nearest helm station and turn on the ignition.

Check to make sure the green LED "OK" light on the control panel is illuminated.

## Notes

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