



## Recommended Installation, Maintenance and Inspection Instructions

# Sentry Wall Mount Tank Monitor with Jarhead Tank Gauge

Jarhead

007685

008646

008677

007686

008664

009969

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS IN AN EASILY ACCESSIBLE LOCATION.



**WARNING:** CANCER AND REPRODUCTIVE HARM - [WWW.P65WARNINGS.CA.GOV](http://WWW.P65WARNINGS.CA.GOV)



**WARNING** Never use with gasoline or highly flammable liquids.

## INSTALLATION INSTRUCTIONS

1. Locate the most visible location to install control panel.
2. Securely (not permanently) mount control panel to wall.
3. Assemble gauge (do not install to tank).
4. Loosen thumbscrews on sensor.
5. Slide sensor to desired depth (high or low).
6. Connect an ohmmeter to sensor leads.
7. Slowly move float arm up and down to confirm circuit is closed at desired level.
8. Once proper setting is achieved, lock sensor in place using thumbscrews - tighten firmly, approximately 1 or 2 turns past hand tight, but do not overtighten.
9. Remove glass jar and linkage assembly from bung adaptor - do not disturb sensor setting.
10. Use appropriate sealant on the male threads of bung adaptor.
11. Screw bung adaptor into tank bung opening - tighten firmly, approximately 1 or 2 turns past hand tight, but do not overtighten.
12. Install linkage assembly into bung adaptor. Float arm must travel freely and not contact any baffles or the sides of tank (use groove on top assembly as a guide).
13. Reinstall glass jar - tighten firmly, approximately 1 or 2 turns past hand tight, do not overtighten.
14. Solder (or wire nut) sensor leads then tape the connections.
15. Seal hole with silicone or appropriate sealant.
16. Connect wire to printed circuit board terminals marked "FLOAT".
17. Install 9-volt battery.
18. Test control panel to confirm audible siren sounds.

**DO NOT OVERTIGHTEN. DO NOT USE SIGHT GLASS AS A WRENCH.**

## TESTING / MAINTENANCE / INSPECTION



Daily

- Confirm siren toggle switch is in the "ON" position.
- Confirm audible siren sounds.

Monthly



- Remove sensor from tank and manually raise / lower float to verify system goes into alarm mode.
- Confirm all wires are properly connected to control panel and sensor(s).



Biannually

- Replace 9-volt battery.

**Replace 9-volt battery if tank alarm occurs.**

- Follow all city, state, or federal wiring code requirements as appropriate.
- Apply city, state, or federal testing regulations as appropriate.

**ANY TEST / INSPECTION FAILURE REQUIRES IMMEDIATE EQUIPMENT REPLACEMENT OR REMOVAL FROM SERVICE.**

**MADE IN THE USA**

**ALWAYS ADHERE TO INSTALLATION / USAGE INSTRUCTIONS AND WARNINGS.**

Improper use may result in injury, damage, or hazardous spill.

**GENERAL WARNINGS / INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS:**

- Use of equipment is at individuals' own risk.
- Always abide and adhere to city, state, and federal regulations regarding use and installation of monitoring equipment.



- Always follow the product manufacturer's installation and maintenance instructions.
- Always turn off all power to monitor during maintenance activities.



- Always replace or remove from service damaged equipment immediately.
- Always report leaks / spills / accidents to appropriate authorities.



- Always wear appropriate safety equipment during maintenance and inspection activities.



- Always have appropriate fire extinguishing equipment within 5 ft / 1.5 m of tanks.
- Always use Teflon® tape or appropriate thread sealant.



- The tank contents are the sole responsibility of the tank owner.



- Never allow waste product to touch eyes or skin.



- Never install monitors outdoors without proper protection from the elements.



- Never use on below ground storage tanks.



- Never exceed the maximum milliamps specified in manufacturer's installation and maintenance instructions.

- Never solely rely on this product; there is no substitute for human supervision.

- Never to be used as a component of any automatically controlled pump transfer system.

**CAUTION: MONITOR IS DISABLED WHEN TOGGLE SWITCH IS TURNED OFF!**

IMPORTANT SAFETY INSTRUCTIONS - SAFETY THESE INSTRUCTIONS IN AN EASILY ACCESSIBLE LOCATION.

**WARRANTY**

Husky Corporation will, at its option, repair, replace, or credit the purchase price of any BJE® product deemed to be defective in material and/or workmanship for a period of one (1) year.

Buyer must return the products to Husky®, transportation charges prepaid. The warranty excludes damages due to malfunction, failure to follow manufacturer's installation, operation or maintenance instructions and guidelines, unauthorized modifications or alterations, abuse, or misuse.

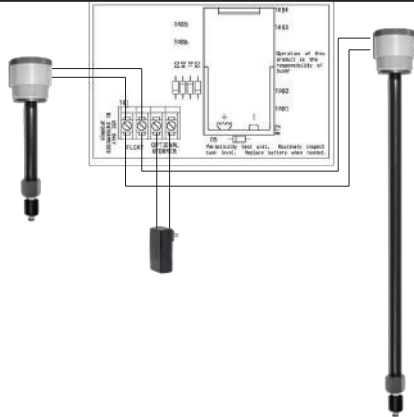
The warranty provisions contained herein apply only to original purchasers who use the equipment for commercial or industrial purposes. There are not other warranties of merchantability, fitness for a particular purpose, or otherwise, and any other such warranties are hereby specifically disclaimed.

Husky assumes no liability for labor charges or other costs incurred by Buyer incidental to the service, adjustment, repair, removal or replacement of products. Husky is not responsible for any losses (including loss of profits or revenues) incurred by the purchaser during the time necessary to repair the equipment. Husky assumes no liability for any incidental, consequential, or other damages under any warranty, express or implied, and all such liability is hereby expressly excluded.

Husky reserves the right to change or improve the design of any Husky Oil Filter Crushers, Tank Monitors, Tank Gauges, Overfill Alarms, Overfill Accessories, Air Shut-off Valves, Solenoid Valves, and Electronic Drain Valves without assuming any obligations to modify any Husky Oil Filter Crushers, Tank Monitors, Tank Gauges, Overfill Alarms, Overfill Accessories, Air Shut-off Valves, Solenoid Valves, and Electronic Drain Valves previously manufactured.

# WIRING CONNECTIONS

Use 18-gauge / 2 conductor wire up to 150 ft (45.7 m)  
or  
14 gauge / 2 conductor wire up to 350 ft (106.6 m) to connect all components.



## 12-VOLT TRANSFORMER

### Model 007595

1. Select a non-switched 24-hour hot 115v outlet, preferably dedicated solely for use with the monitor.
2. Temporarily remove the 9-volt battery.
3. Connect transformer to printed circuit board terminals marked "OPTIONAL XFORMER". Observation of polarity is not necessary.

4. Reinstall 9-volt battery.
  5. Secure transformer to outlet using outlet plate screw.
  6. Test control panel to confirm audible siren sounds.
- NOTE: Connection of the transformer should always be the last connection to the control panel.

## SENTRY REMOTE LEAK / OVERFILL GUARDS

### Model 007675, 007676 Leak Guards 007680, 007681 Overfill Guards

1. Remove eyelet connector from end of chain and save.
2. Determine tank depth in inches.
3. Stand float on end on a flat work surface alongside a measuring tape and pull chain taut to desired measurement.
4. Subtract 2" (50.8 mm) from determined measurement and mark chain.
5. Cut chain on mark then feed chain through bottom center hole in shaft and back out either side hole of shaft.
6. Secure chain with eyelet by crimping eyelet closed.
7. Loosen thumbscrews on sensor.
8. Slide sensor, positioning arrow just inside top of clear window.
9. Connect an ohmmeter to sensor leads.
10. Using chain, pull orange indicator to bottom of gauge and confirm circuit is open.

11. Slowly release chain tension allowing spring to raise orange indicator to its full extension
12. Confirm circuit is now closed.
13. Tighten thumbscrews firmly, approximately 1 to 2 turns past hand tight - do not overtighten.
14. Apply appropriate sealant to the male threads of bung adaptor.
15. Slowly lower weighted float into tank and tighten gauge, approximately 1 to 2 turns past hand tight, onto tank bung.
16. Confirm orange indicator is at proper level - if tank is empty it should not be visible. (If visible, remove sight glass and depress orange indicator. Reinstall sight glass. If orange indicator is still visible, recheck measurements in steps 2 - 4 and shorten chain as required).
17. Solder (or wire nut) sensor leads then tape connections.
18. Seal hole with silicone or appropriate sealant.
19. Connect wire to printed circuit board terminals marked "FLOAT".

## TROUBLESHOOTING GUIDE

Audible alarm won't shut off...	1. Replace control panel.
System won't go into alarm mode...	1. Verify all wires are connected properly. 2. Replace the 9-volt battery.
Audible alarm won't sound...	1. Confirm toggle switch is in "ON" position.
Bulk Product Sensor activates alarm prematurely...	1. Confirm float is in the correct position. 2. Confirm pipe is not over 10 ft (3 m) long.

## GENERAL TECHNICAL DATA

Applications	Single or double walled above ground tanks.	Sensor	Buna
Fluids	Test and warranty for oil, waste oil, diesel fuel, antifreeze, water and other fluids with a low flash point	Shipping Weight	5 - 8 lbs / 2.2 - 3.6 kg (depends on length of Jarhead)
Pipe	½" x 6" (12.7 mm x 152.4 mm) NPT PVC	Thread	2" / 50.8 mm NPT
		Case Quantity	2 - 5 (depends upon length of Jarhead)