

**BJE**

Model 010613 & 010614
Recommended Installation, Maintenance
and Inspection Instructions

CONTROLLER

Kaltey Commander

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



WARNING: CANCER AND REPRODUCTIVE HARM - WWW.P65WARNINGS.CA.GOV



WARNING Never use with gasoline or highly flammable liquids. Not to be used with any other gauge or monitor

INSTALLATION INSTRUCTIONS

Apply Teflon tape or appropriate thread sealant to all threaded fittings.

1. Component Installation:

007 Solenoid Valve

- Mount solenoid valve
- Plumb air supply observing airflow direction - Caution - use backup wrench
- Plumb air supply from solenoid valve to customer provided diaphragm pump.
- Verify airline is free of debris.

ASCO over flow shut-off valve

- Mount ASCO over flow shut-off valve between customer provided diaphragm pump and customer provided warm storage tank
- Plumb fluid supply observing fluid flow direction - Caution - use backup wrench
- Verify fluid line is free of debris. Recommend installing a fluid filter upstream of valve.
- Plumb fluid line from over flow shut-off valve to customer provided diaphragm pump.

For tank mounted control panel with level sensor

- Tighten tank mounted control panel with level sensors to the 2" NPT tank bung - approximately 1 to 2 turns past hand tight - do not over tighten. Remove the four faceplate screws. Rotate the Kaltey Commander faceplate to the right or to the left exposing the printed circuit board. Reattach the side of the faceplate to the control panel using two screws. Retain the round data tag and remaining screws for later assembly.

Note: Failure to perform this procedure could result in damaging the power jack wiring.

For wall mounted control panel with remote tank level sensors.

- Locate the most visible location to install control panel. Remove the Kaltey Commander faceplate to the right or to the left exposing the printed circuit board. Reattach the side of the faceplate to the control panel using two screws. Retain the round data tag and remaining screws for later assembly.
- Securely (not permanently) mount control panel to wall.

- Tighten remote tank level sensors to the 2" NPT tank bung - approximately 1 to 2 turns past hand tight - do not over tighten

Note: Failure to perform this procedure could result in damaging the power jack wiring.

2. Component Wiring Installation (see diagram on page 4)

Locate the 007 Solenoid Valve, the ASCO over flow shut-off valve, and remote tank level sensors (for wall mounted control panel within 150 ft (45.7m) from the control panel.

007 Solenoid Valve

- Connect terminals marked "FROM 007" on the solenoid valve to terminals marked "PUMP VALVE" on the Kaltey Commander printed circuit board using the "white" and "green" leads from the supplied 4 conductor cable, observation of polarity is not necessary.
- Connect terminals marked "12VDC" on the solenoid valve to terminals marked "007 SV POWER" on the Kaltey Commander printed circuit board using the "red" and "black" leads from the supplied 4 conductor cable, observation of polarity is not necessary.

Note: For tank mounted control panel with level sensors, thread cable through the cord grip on the side of the box. For wall mounted control panel with remote tank level sensors, thread cable through the cord grip on the bottom of the box.

ASCO over flow shut-off valve

- Using the supplied 2 conductor cables, connect the "red" and "black" leads to the terminals marked "OVERFLOW VALVE" on the Kaltey Commander printed circuit board, observation of polarity is not necessary.
- Using the cable connected to the Kaltey Commander printed circuit board, connect the "red" lead to the ASCO over flow shut-off valve "red" lead and the "black" lead to the other ASCO over flow shut-off valve "red" lead.

Note: For tank mounted control panel with level sensors, thread cable through the cord grip on the side of the box. For wall mounted control panel with remote tank level sensors, thread cable through the cord grip on the bottom of the box.

For wall mounted control panel with remote tank level sensors

- Thread the cable through the cord grip on the bottom of the box
- Connect the 6 colored leads in the following terminals: "green" and "white" leads into the terminals marked "LOW FLOAT", observation of polarity is not necessary. "Orange" and "blue" leads into the terminals marked "HIGH FLOAT", observation of polarity is not necessary. "Red" and "black" leads into the terminals marked "OVERFLOW FLOAT", observation of polarity is not necessary.

For tank mounted control panel with level sensors and wall mounted control panel with remote tank sensors

- Remove the two faceplate screws. Rotate the Kaltey Commander faceplate back to its original position on the control panel. Reattach the round data tag and face plate to the control panel using the four panel screws.

Connect power supply to the power jack on the Kaltey Commander housing

Note: For tank mounted control panel with level sensors, connect power supply to power jack mounted on the side of the box. For wall mounted control panel with remote tank level sensors, connect power supply to power jack mounted on the bottom of the box.

Plug the power supply into a non-switched 24 hour hot 115v outlet.

Test 007 solenoid valve for proper air shut-off.

Test ASCO over flow shut-off valve for proper shut-off

Test control panel to confirm audible siren sounds and LEDs light.



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:



- 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 controller 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 appropriate thread sealant.



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



- Never allow waste product to touch eyes or skin.

- Never use on below ground storage tanks.

- 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: DO NOT EXCEED THE MAXIMUM MILLIAMP LOAD!

Designed to drive up to 1000 milliamps of optional accessories.

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, return, 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.

TESTING / MAINTENANCE / INSPECTION



Daily

- Confirm the AC power indicator is lit.
- Confirm Siren toggle switch is in the "ON" position.
- Confirm audible siren sounds.



Monthly

- Remove sensor from tank and manually raise / lower floats to verify system goes into alarm mode.
- Manually test all accessories for proper function.
- Confirm all wires are properly connected to control panel and accessories.

- 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

TROUBLESHOOTING GUIDE

Alarm won't shut off...

1. Verify all wires are connected correctly.

System won't go into alarm mode...

1. Confirm floats are in the correct orientation.
2. Confirm power supply is plugged in.

Audible alarm won't sound...

1. Confirm toggle switch is in "ON" position.

GENERAL TECHNICAL DATA

Applications	Single or double walled above ground tanks.
Fluids	Test and warranty for oil, waste oil, diesel fuel, antifreeze, water and other non-volatile fluids
Milliamp load	750 mA maximum / 1000 mA maximum of optional accessories
Sensor	Buna
Shipping Weight	50 lbs / 227 kg
Thread	2" / 50.8 mm NPT

WIRING CONNECTIONS

