

LEVELESE



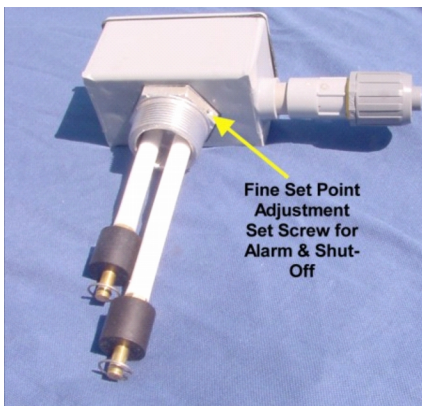
LS-200/CS-100 Dual Fuel Overfill Sensor & Control

The *Levelese LS-200/CS-100* Single and Dual Fuel Overfill Level Sensor and Control Station consists of a dual point level sensor with adjustable set points and an electronic Control station with audible and LED visual alarm and shut-off valve control. Features include:

- Independently-Adjustable Dual Float Operated Level Switches with 2" NPT Mounting and NEMA-4X Enclosure
- Level Sensor Pressure Sealed to Prevent Leaks
- All Electronic Controls with Barrier Strip Termination
- Surface Mounted NEMA-4X Electronics Enclosure
- Universal 12 or 24 VDC Power
- Designed to meet the requirements of NFPA-30.

HOW IT WORKS

The LS-200 Dual Level Alarm uses two magnetic floats, one for alarm and the other for shut-down, each operating an

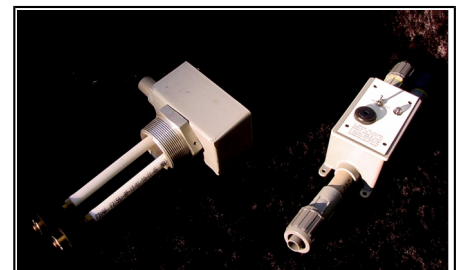


independent, hermetically sealed reed switch activated when the float passes the sensitive portion of the switch. When the fuel level reaches a preset point, the switch changes state. Each switch is rated at 1 Amp, 117 VAC, is mounted on a HDPE tube, passes a leak test of more than 100 psig, is independent from the other and may be field adjusted by moving the HDPE tube and setting it with a set screw.

Designed to meet the requirements of NFPA-30, the LS-200/CS100 Control Station is a hardened electronic or electromechanical circuit mounted in a NEMA-4X housing. When the alarm level switch is closed, it activates a large Amber LED and Sonalert audible alarm. When the level reaches the Shut-down point, it removes power for the fill pipe solenoid valve, shutting it off and preventing fuel flow into the tank. A toggle switch with OFF, ON and momentary TEST functions is the operator's control over the station.

Specifications:

- Level Ranges: 6 inches to 7 ft
- Switches Adjustable: 0.5 to 8.5" from tank top.
- Materials of Construction: PVC, CPVC, Al, Brass, 316 SS, Buna-N
- Mounting:
Sensor: 2" NPT Screw Fitting
Control Station : Surface
- Temperature Range: -40 to +65°C
- Power: 12VDC 24 VDC
- 10 mm, 8000 mcd Amber Lamp & Sonaler Audible Alarm with Silence Button
- 10 Amp Solenoid Valve Shutoff
- Barrier Screw Terminal Blocks
- Enclosure: NEMA-4X
- Engraved Nameplate with Instructions



LS-200 and CS-100 Alarm & Shut-off Control

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