



Pumps Water and Contains Oil or Hydrocarbons in a Sump Pit or Tank
Elevator Sump Water Removal

The Oil Watch™ - Water Discharge/Oil Containment system is used in elevator sump pits to remove water while retaining oil and other hydrocarbons. The Oil Watch™ is a UL listed system.



Control Panel



Remote Alarm



Preset Level Sensor

Key Features

ONE SENSOR

One preset level sensor for easy installation.

OPERATES WITH ALL PUMPS APPROVED FOR SUMP PITS

REMOTE ALARM

A remote alarm is included with the Oil Watch™. Includes auxiliary contacts for High Oil, High Water and Pump Overload (on overload models).

MULTIPLE INDICATOR LIGHTS

Power On, Pump Run, High Water, High Oil and Pump Overload (on overload models).

ASME A17.1 COMPLIANT

WORKS WITH AUTO DIALERS OR BAS (Building Automation Systems)



OPERATION OF DISCHARGE

Water and oil fill the elevator sump pit. As the sump is filling, the oil will float on top of the water. This layer of oil will not be pumped from the tank. The water underneath the oil will be pumped out through the discharge pipe to the sewer or other proper disposal area.

1. WATER RISES & PUMP TURNS ON

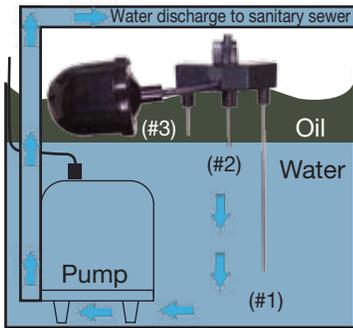
When the water reaches probe (#2) the system will turn on and pump the water out of the sump.

2. WATER IS REMOVED/OIL CONTAINED

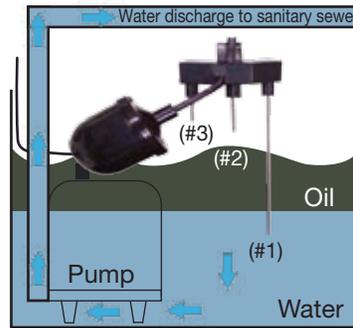
As the water is being pumped from the sump pit, the oil will remain floating on top of the water. THE OIL WILL NOT BE PUMPED INTO THE SANITARY SEWER.

3. PUMP TURNS OFF

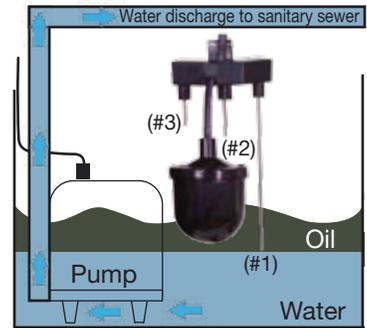
When the water is pumped below probe (#1) the pump will turn off.



Elevator Sump

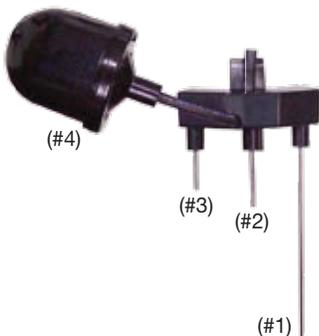


Elevator Sump



Elevator Sump

PRESET LEVEL SENSOR AND CONTROL PANEL OPERATION



- ▶ When water touches probes (#1) and (#2) the pump will turn on.
- ▶ If the pump can not keep up, loses power or fails the water will reach probe (#3). The “High Water” light will illuminate on the control panel and the remote alarm will activate.
- ▶ If the water continues to rise the float switch will activate. If the float switch is activated and probe (#3) is touching water the “High Water” alarm will remain on. If OIL is touching probe (#3) and the float switch is activated, the “High Oil” light will illuminate and the remote alarm will activate.

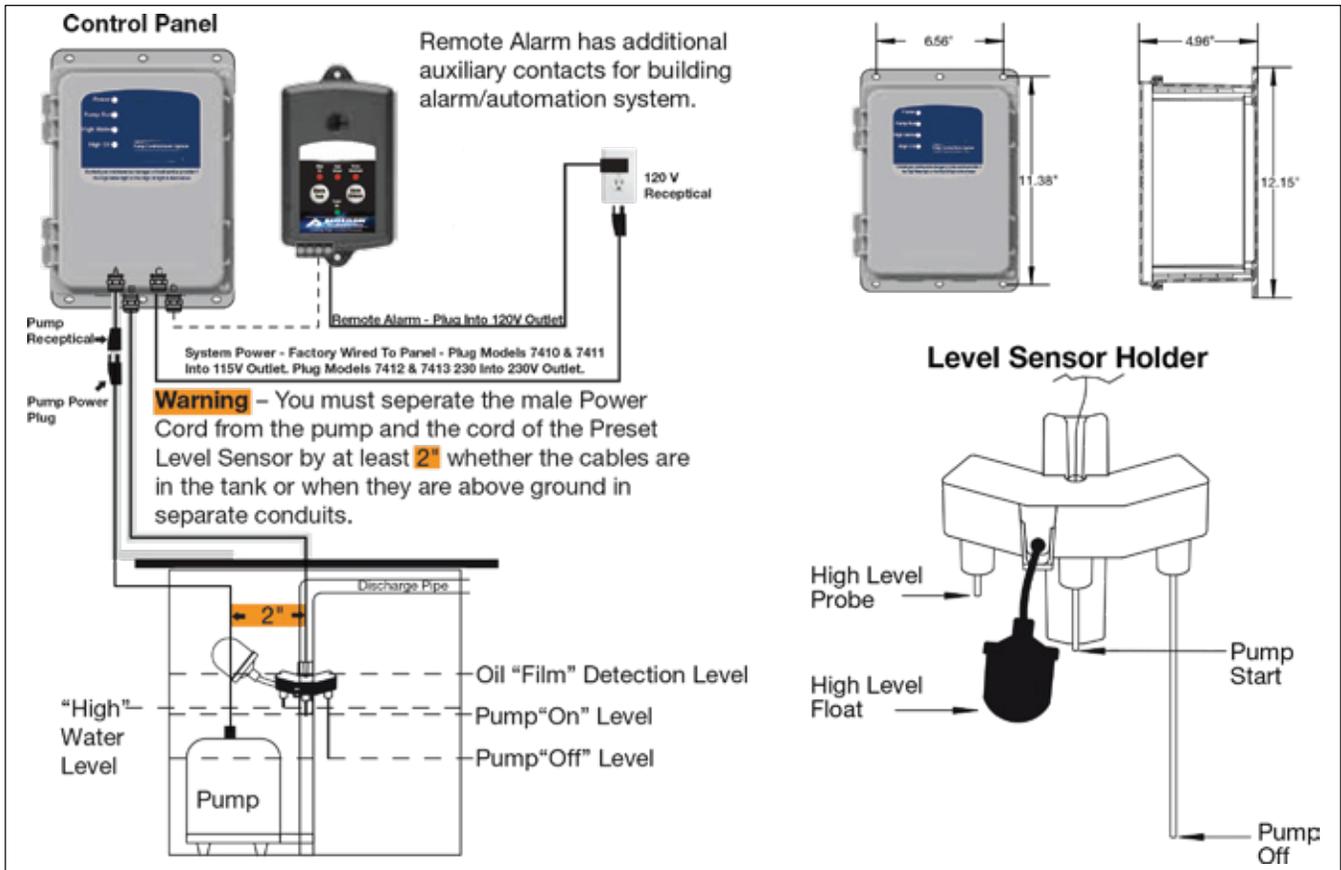
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OIL WATCH™ Control / Alarm System

DESCRIPTION OF OPERATION

On liquid rise, level reaches pump “Start” probe to start the pump. The pump will remain on until level is below “Off” probe. The “Off” probe senses air or oil and turns the pump off so the oil layer will not be pumped out of the tank. If the level reaches high level probe and high level float, the system will differentiate between water and oil and activate the remote alarm.



SPECIFICATIONS

Sensor

Housing: ABS
Probe: Stainless Steel
Float: PVC

Control Panel

Enclosure: Type 1
Power Cord: 6' SJT, 120 VAC
Receptacle: 6' SJT, 120 VAC, 15 Amp

Alarm Panel

Enclosure: Type 1
Power Cord: Plug In Transformer, 120 VAC
Backup Power: 9 VDC Battery Backup

LED Alarm Indicators
Audible Alarm: 103 db buzzer auto/test rest
Auxiliary Contacts: High Water, High Oil, Optional Pump Fail

ORDER NUMBER



Part Number	Description *For longer cord lengths, consult factory.
7411	115 VAC, 15 Amps, Nema 1, Oil Alert Control Panel, Sensor, 3 Zone Remote Alarm W/ OVERLOAD - (Specify AMP Range)
7413	230 VAC, 15 Amps, Nema 1, Oil Alert Control Panel, Sensor, 3 Zone Remote Alarm W/ OVERLOAD - (Specify AMP Range)
- 4X	Place "4X" after any of the part numbers above for a Nema 4X System No Plugs - Hardwired Only