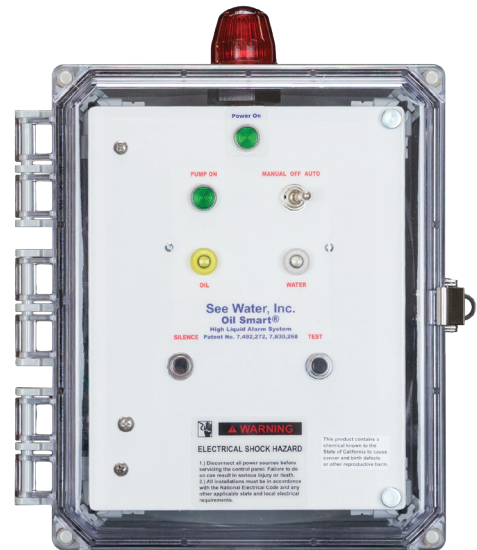# OIL SMART® SIMPLEX CONTROL PANEL

Overview:

The Oil Smart® OSSIM-30, when combined with a manual sump pump, will automatically pump water without the risk of pumping oil into the environment. The system will alert in the event of a high oil or high water condition. Installation of the OSSIM-30 allows you to comply with Elevator Code ASME A17.1 and State/Federal regulations while reducing the risk of adverse publicity, fines and expensive cleanup costs.
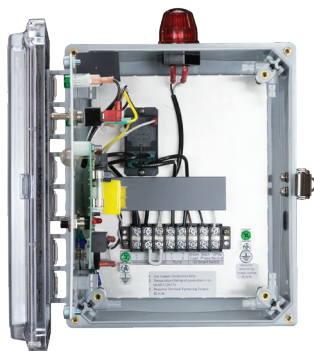
Features:

- Includes Oil Smart® Pump Control and Liquid Smart® Alarm Sensor with 20′ Cords
- Panel enclosure: heavy duty polycarbonate indoor/outdoor NEMA 4X rated with lockable latches
- Pump control and alarm components differentiate between oil and water
- Pump control visible indicators: pump hand-off-auto (H.O.A.) switch, green pump run light and green power on light
- Alarm visible indicators: red beacon alarm light, yellow light for oil, white light for water, alarm test and silence buttons
- Alarm horn sounds at 85 decibels at 10 feet
- Remote monitoring dry contacts: oil, water and high liquid
- Panel and controls: UL listed for the United States and Canada

Applications:

- Elevator sumps
- Electric utilities (substations, power plants, underground vaults, and transformer barriers)
- Manufacturing facilities
- Any application where there is a need to remove water while containing oil
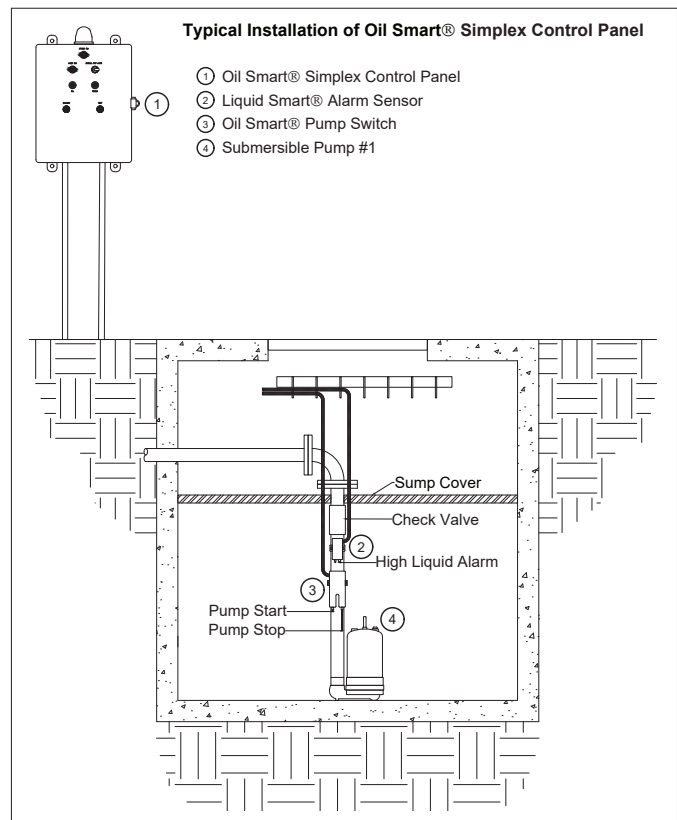
OIL SMART® SIMPLEX CONTROL PANEL

Simplex Single Phase: 120/208/240VAC

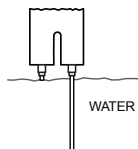| Models	Pump Full Load Amp Rating
OSSIM-30	0-16.0 FLA

Custom Options:

AF = Alarm Flasher
ET = Elapsed Time Meter w/ LCD display & reset
CC = Cycle Counter w/ LCD display & rest
MD = Main Disconnect
CB = Circuit Breaker
S3 = No sensors included
24 = Pump Exerciser - auto cycles pump(s) daily,
       weekly, or monthly
E   = 50Hz configuration
DPR = Dry Contact for Pump Run
C   = Additional cord length greater than 20'
       specify after C. example: (OSSIM-30-C50)
       indicates 50' cord lengths for all components

Typical Installation of Oil Smart® Simplex Control Panel

① Oil Smart® Simplex Control Panel
② Liquid Smart® Alarm Sensor
③ Oil Smart® Pump Switch
④ Submersible Pump #1

Sump Cover
Check Valve
High Liquid Alarm
Pump Start
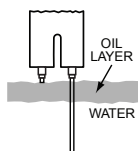Pump Stop

Operation of Oil Smart®

Normal Condition (Water Only)
When water comes in contact with the short (on) sensor, the pump will turn on. The pump will remain on until water clears the long (off) sensor.
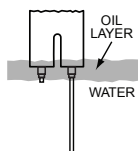
WATER

Oil Present Condition
If oil comes in contact with the (on) sensor, the pump will not turn on.
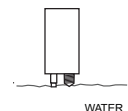
OIL LAYER
WATER

Water (Oil Present Condition)
If the water level rises enough to contact the (on) sensor under the oil layer, the pump will turn on and remain on until the (off)
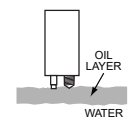
OIL LAYER
WATER

Operation of Liquid Smart®

High Water Level
When water comes in contact will both sensors, the white water indicator on the front panel will illuminate. This condition will turn on the red beacon alarm light and sound the alarm buzzer.

WATER

High Oil Level
If oil comes in contact with both sensors, the yellow oil indicator on the front panel will illuminate. This condition will turn on the red beacon alarm light and sound the alarm buzzer.

OIL LAYER
WATER

SEE WATER inc.®
Your Trusted Source for Quality Control Panels.