

# SUMP PUMP OIL DETECTION SYSTEM

O-SCP-120

O-DCP-120



CONTROL PAENL



LEVEL PROBE

## MODEL:

O-SCP-120—SIMPLEX

O-DCP-120—DUPLEX

It's detected oil in water sump pit for:

- Elevator Pits
- Transformer Vault
- Boiler Room
- Restaurant

## Features:

- Detect oil in water sump
- Intrinsically safe
- Operation and alarm status indication (LED)
- Low voltage control
- Build in probe diagnostic
- Pump's maximum run time protection

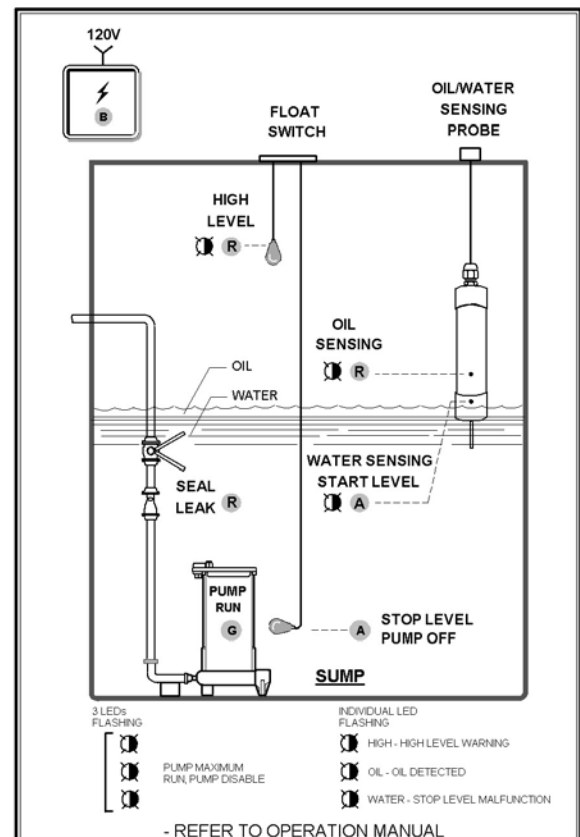
## Product Description

The Oil Detection System is designed for the safe operation of pumping, alarming and monitoring of elevator sump pits, transformer vaults, boiler room, restaurant and leachate well applications. The Oil Detection sensor will activate one or two pumps to remove water from the pits. The Detection Probe stops the pump before oil or other harmful substances enter city's drainage system. Indicator LED will illuminate on the control panel for the following conditions: Power "On", Pump's run, Level probe status, Water sensing level, Oil detected, High level alarm and Stop float fail diagnostic system. These contacts can be connected to remote panel which contains audio/visual alarm, HWA 12/2 lobby alarm contacts for connection to building automation system or SCADA system.

## Safety Guidelines

- 1) Do not use with fluids such as gasoline, fuel oil, kerosene, etc. Probe/Float switch should only be used in sump pit.
- 2) Control panel and alarm must be mounted indoors. For outdoor applications, consult NWTc.
- 3) Secure oil sensor on discharge pipe at a level that show on instruction. Failure to properly mount the level sensor may cause the pump to activate even oil is present in the sump.
- 4) Install Floats and Oil Probe as per drawing.

## OIL DETECTION PUMP CONTROLLER



NORTHWEST TECH-CON SYSTEMS LTD.



40 Years in System Design

**Northwest Tech-Con Systems Ltd.**

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