



System Overview

This system is designed to monitor one tank in conjunction with a two point float switch for High Level and Low Level to control an existing 120VAC solenoid valve.

Automatic Mode

When power is applied to the system while mode switch is in “Auto” position, the valve will open at the low level switch. This condition will energize the 120VAC solenoid valve and illuminate the valve open light. The valve will remain open until the high level float switch is actuated. This condition will cause the valve open light to turn off and de-energize the valve causing the valve to close.

Manual Mode

When the mode switch is in “Hand” valve will open until the low level float switch is actuated. This condition will illuminate the valve open light only to indicate there is a low level condition. Upon the level reaching the high level float switch, the valve open light will turn off indicating that a high level condition has occurred. This mode is generally used when maintenance is being preformed on the valve or the valve controller has failed.

Off Mode

When the mode switch is in the “Off” position, the system will be shutdown thus NOT providing any alarms and valve must be manually controlled. This mode is generally used when maintenance is being preformed on the VC-1T2LHOA or valve, or the valve controller has failed.

Specifications	
Features	System is designed to interface with 120VAC solenoid valve (provided by others)
Power Input	120VAC
Weight and Dimensions	7lbs. (W) 8” x (H) 10” x (D) 5”
Sensor Cable	Shielded 22 AWG UL-E118830 CM Maximum length 2000 feet
Enclosure	NEMA 4X
Operating Temperature	-40° to 140° F
Visual Console	Green light - Indicates valve open 3 Position selector switch - Open - Close - Auto 3 position selector switch - Open - Close - Auto 3 Position Selector Switch - Hand - Off - Auto
Sensors	LF-2 Two point float switch (N.C. in down position)
Typical Applications	Fire Suppression, potable water, irrigation, generator and day tanks

Notes: (1) This system is designed to interface with a 120VAC solenoid valve (provided by others). If valve is not 120 VAC solenoid, please contact factory for alternatives. (2) Panel can be modified for pump out applications (such as waste oil pump out).

Part number: **VC-1T2LHOA-PO**

Specifications subject to change without notice, verify with manufacturer.

