MVP-DAX Operation

Orenco's Most Versatile Panel (MVP) line of control panels includes an easy-to-use programmable logic unit that incorporates many timing and logic functions. All models of MVP panels have built in screens which show the time and date, input status, and output status. Additionally, the following system data screens have been included in your panel:

System Data Screens:	Description:
1. Pump 1 CT & ETM	Pump #1 cycle counter at top of screen and pump run time in minutes beneath
2. Pump 2 CT & ETM	Pump #2 cycle counter at top of screen and pump run time in minutes beneath
3. Lag 1 CT & Lag 2 CT	Lag pump #1 cycle counter at top of screen and lag pump #2 beneath
4. HLA CT	High level alarm counter

To move between screens, use the four arrow keys. If the same arrow key is pressed repeatedly the screens will eventually wrap around. The screens are accessed as shown below:
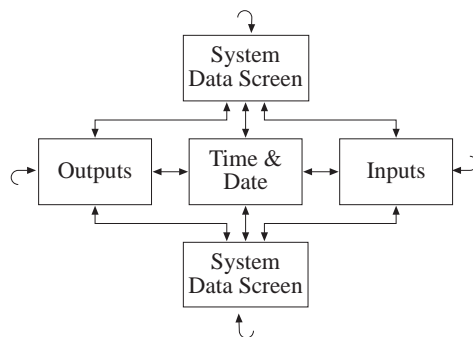
Input and Output Screens: The unit will activate various inputs and outputs as it operates (please refer to the Liquid Crystal Display screens shown below). Knowing what conditions cause the inputs and outputs to activate can be a helpful installation and troubleshooting tool. The following inputs and outputs have been used with your control panel:

Input Functions:	Activation Conditions:
1. Pumps Off Float	Float in up position
2. Lead Pump On Float	Float in up position
3. Lag Pump On Float	Float in up position
4. High Level Alarm Float	Float in up position
5. Push To Silence	Pushbutton is pressed

Output Functions:	Activation Conditions:
1. Pump #1	Pump #1 is activated
2. Pump #2	Pump #2 is activated
3. Level Light	Light is activated
4. Audible Alarm	Audible Alarm is activated

Input Screen

Output Screen
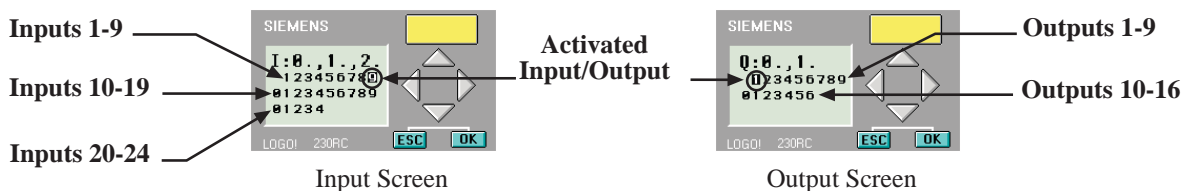
Your control panel can perform the float functions listed below. Depending on the number of floats for your application, some functions may be omitted or combined.

High Level Alarm: This float activates the alarm light(steady) and audible alarm when lifted for more than 2 seconds. The audible alarm may be silenced by pressing the illuminated PUSH TO SILENCE button on the front of the control panel. The alarm light(steady) will remain on until the float is lowered. If the alarm condition is not corrected in 12 hours, the audible alarm will be reactivated.

Lag Pump On: This float activates the lag pump when lifted. The pump will continue to run until the Pumps Off float is lowered.

Lead Pump On: This float activates the lead pump when lifted. The pump will run for the duration of the dose time as a minimum or until the Pumps Off float (if used) is lowered.

Pumps Off: This float deactivates the pumps when lowered if the dose time has elapsed.