

# MVP-DAX PT Operation



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Oreco's Most Versatile Panel (MVP) line of control panels includes an easy-to-use programmable logic unit that incorporates many timing and logic functions. The unit can display a variety of screens that provide system performance data or Input and Output indicators. To change between the screens, use the up and down arrow keys. The following screens have been included in your panel:

Screens:	Description:
1. Pump 1 CT & ETM	Pump #1 cycle counter on top and pump run time in minutes below
2. Pump 2 CT & ETM	Pump #2 cycle counter on top and pump run time in minutes below
3. OVR 1 CT & OVR 2 CT	Pump #1 override cycle counter and pump #2 below
4. HLA CT	High level alarm counter
5. I/O	Input and Output status screen; see below

**I/O Screen:** The unit will activate various inputs and outputs as it operates. (Please refer to the Liquid Crystal Display screen 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:

1. Timer On & Off Float
2. Override Timer On & Off Float
3. Lag Pump Enable Float
4. High Level Alarm Float
5. Push To Silence
6. Not Used

#### Conditions for activation:

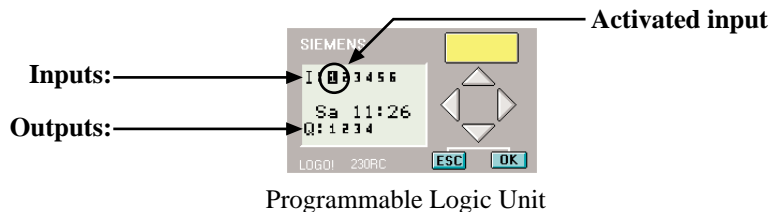
- Float in up position
- Float in up position
- Float in up position
- Float in up position
- Pushbutton is pressed

#### Output Functions:

1. Pump #1
2. Pump #2
3. Level Alarm Light
4. Audible Alarm

#### Conditions for activation:

- Pump #1 is activated
- Pump #2 is activated
- Level Alarm Light is activated
- Audible Alarm is activated



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 and the audible alarm will reactivate in 12 hours if condition is not corrected.

**Lag Pump Enable:** This float will activate both pumps when the timer function enters the on cycle. Both pumps will continue to run together until the lag pump enable float lowers.

**Override Timer On & Off:** This float activates the override timer function when lifted for more than 2 seconds. This timer function controls the pump cycles during high flow conditions. The override timer function will remain active until at least the set minimum number of override cycles have been completed and the float has lowered. When the override timer function has been completed, normal timer operation will resume.

**Timer On & Off:** This float activates the timer function when lifted for more than 2 seconds. The timer will be activated while the float is up and will be deactivated 30 seconds after the float is lowered. This timer function controls the pump cycles during normal flow conditions. Note: The timer will start with its off cycle.