



## NEMA1 Duplex Pump Control with High Level Alarm

**Provides Power to Operate Two Pump Motors in Response to Three Switch Inputs. Alternates between Pump Motors During Normal Cycle On/Off Operation. Provides Power to Both Pump Motors, if Lag Switch is Activated. With Optical/Audible High Level Alarm**

**Features:**

- 120VAC Operating Voltage (Other's Available)
- External Test/Off Alarm Button
- External HOA Selection for Both Pump Motors
- Built in Circuit Breakers
- Motor Load Up To 1hp @ 115V, 3hp @ 230V
- NEMA1 Enclosures
- UL508

**Typical Applications:**

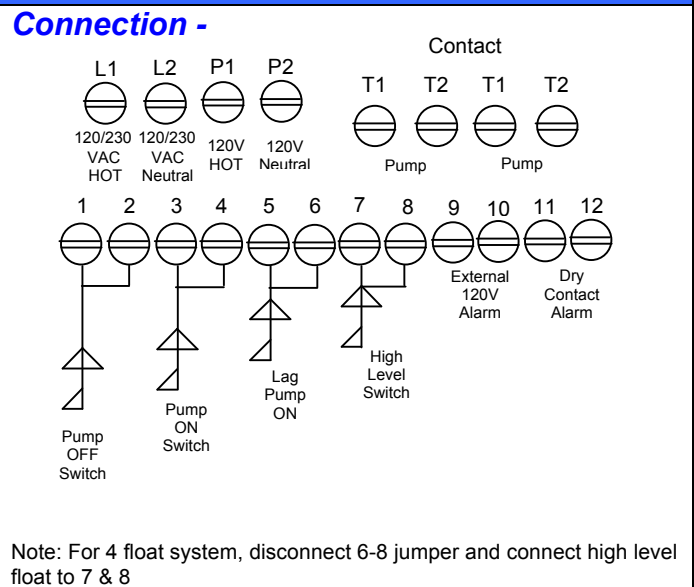
- Level Based Pump Control for
- Drainage Pump Levels
- Septic Tank Systems
- Sump Basin Levels
- Storage Tank Systems

### Ordering Information

Part Number	Enclosure Type	Enclosure Size	Operating Voltage	List Price
D10020N1	NEMA 1	12¼" x 12½" x 6 ¼"	120 VAC	\$900.00

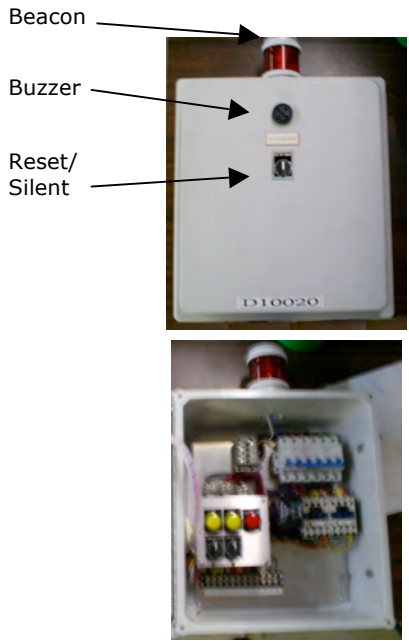
### Operation

**Function -** 120/230VAC is connected to L1, L2 & 120VAC to P1, and P2. When the circuit is closed between 1 & 2 (Pump Off) and 3 & 4 (Pump On), power will be supplied to the first pump motor. The circuit is then latched and the connection between 3 & 4 (Pump On) will not effect the operation. When the contact between 1 & 2 (Pump Off) is open the power to the pump is turned off. The next time the cycle is initiated; power is supplied to only the second pump motor. The controller will continue to alternate power between pump motors. If contacts 5 & 6 (Lag Pump) are closed, both pump motors will receive power. High-level alarm is activated when the circuit is closed between 7 & 8 (High Level). Alarm can be tested or silenced with the external switch.



**Custom Pump Panels are available upon request! Contact EE Controls with your requirements. Visit our website – [www.eecontrols.com](http://www.eecontrols.com)**

## NEMA 4X Duplex Pump Control with High Level Alarm

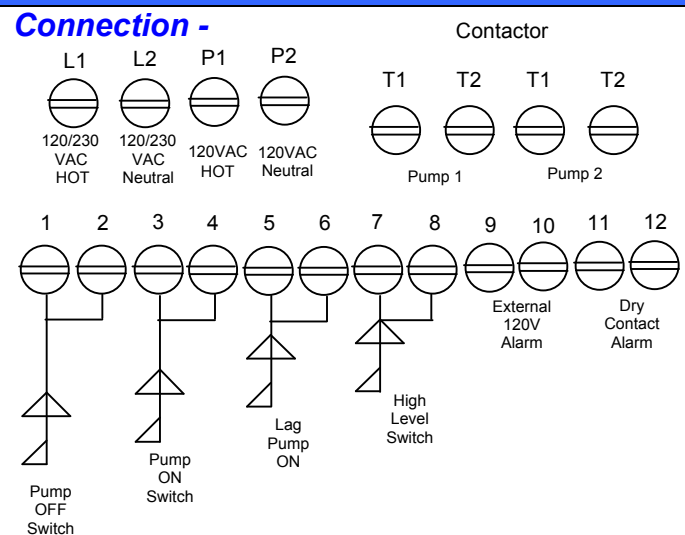
 <p>Beacon</p> <p>Buzzer</p> <p>Reset/ Silent</p> <p>Run 1, Run 2, HOA 1, HOA 2, High Level Alarm are Inside Panel</p>	<p><b>Provides Power to Operate Two Pump Motors in Response to Three Switch Inputs. Alternates between Pump Motors During Normal Cycle On/Off Operation. Should One Motor Fail; Directs Power to Only the Working Motor. Provides Power to Both Pump Motors, if Lag Switch is Activated. With Optical/Audible High Level Alarm</b></p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>- 120VAC Operating Voltage (Others Available)</li> <li>- External Test/Off Alarm Button</li> <li>- Internal HOA Selection for Both Pump Motors</li> <li>- Built in Circuit Breakers</li> <li>- Motor Load Up To 1 hp @ 115V, 3hp @ 230V</li> <li>- NEMA 4X Enclosures</li> <li>- UL508</li> </ul> <p><b>Typical Applications:</b>  <i>Level Based Pump Control for</i></p> <ul style="list-style-type: none"> <li>- Drainage Pump Levels</li> <li>- Sump Basin Levels</li> <li>- Septic Tank Systems</li> <li>- Storage Tank Systems</li> </ul>
--	---

### Ordering Information

Part Number	Enclosure Type	Enclosure Size	Operating Voltage	List Price
D10020	NEMA 4X	15½" x 13¾" x 8½"	120 VAC	\$1,200.00

### Operation

**Function** - 120/230VAC is connected to L1, L2 & 120VAC to P1, and P2. When the circuit is closed between 1 & 2 (Pump Off) and 3 & 4 (Pump On), power will be supplied to the first pump motor. The circuit is then latched and the connection between 3 & 4 (Pump On) will not effect the operation. When the contact between 1 & 2 (Pump Off) is open the power to the pump is turned off. The next time the cycle is initiated; power is supplied to only the second pump motor. The controller will continue to alternate power between pump motors. If contacts 5 & 6 (Lag Pump) are closed, both pump motors will receive power. High-level alarm is activated when the circuit is closed between 7 & 8 (High Level). Alarm can be silenced with the external button.



Note: For 4 float system, disconnect 6-8 jumper and connect high level float to 7 & 8

**Custom Pump Panels are available upon request! Contact EE Controls with your requirements. Visit our website – [www.eecontrols.com](http://www.eecontrols.com)**