
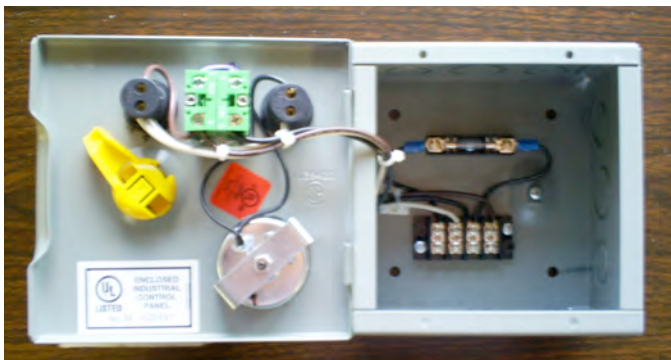


High Level Alarm Panel

Provides a Visual and Audible Warning of High Level or Pump Malfunction

Features:

- **Simple Operation and Connection**
- **120VAC Operating Voltage** (Others Available)
- **Manual Selection of NORMAL, TEST and OFF Modes**
- **Power Indication**
- **Fused Input (1 Amp Slow Blow)**
- **NEMA1 or NEMA4 Enclosures**
- **UL508**

Typical Applications:

- High Liquid Levels
- Drainage Pump Levels
- Septic Tank Systems
- Sump Basin Levels
- Storage Tank Levels

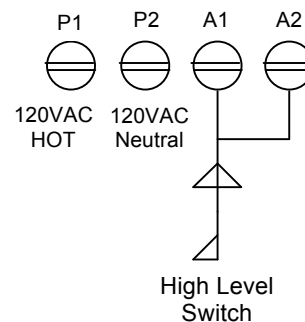
Ordering Information

Part Number	Enclosure Type	Enclosure Size	Operating Voltage	List Price
AHA-000A-N1	NEMA 1	6 ¹ / ₄ " x 6 ³ / ₄ " x 4"	120 VAC	\$100.00

Operation

Function - When 120VAC is connected to P1 and P2, the yellow pilot will light, indicating the panel is powered. When the circuit is closed between A1 and A2 (by a remote level switch or other sensing device), the red pilot will light and the horn will sound, indicating a high level condition. The alarm can be turned off or the panel operation can be tested using the selector switch.

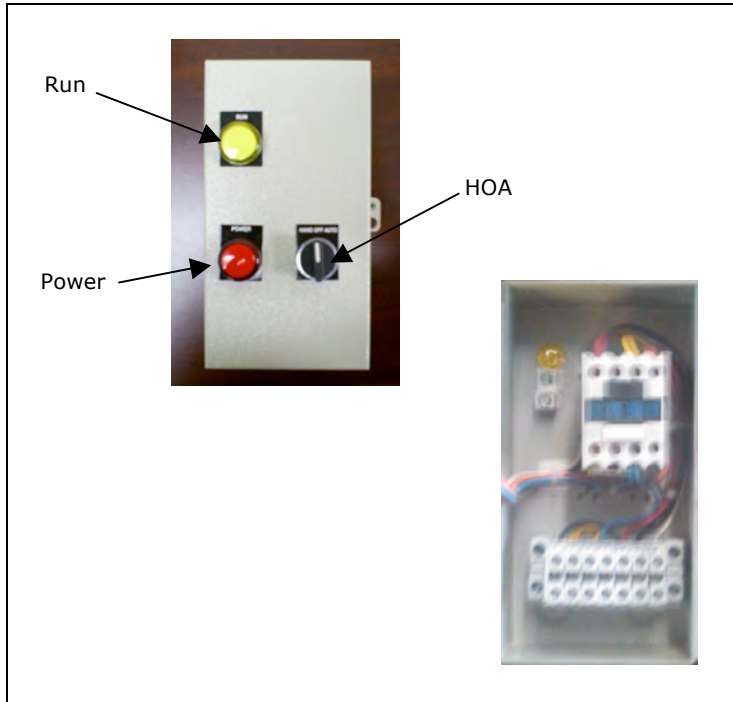
Connection -



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Simplex Pump Control



Provides Power to Operate a Single Pump Motor in Response to Two Switch Inputs.

Features:

- **Simple Operation and Connection**
- **120VAC Operating Voltage** (Others Available)
- **Manual Selection of AUTO, HAND or OFF Modes**
- **Power Indication**
- **Motor Load Up To 1 hp @ 115V**
- **NEMA1 or NEMA4 Enclosures**
- **UL508**

Typical Applications:

Level Based Pump Control for

- **Drainage Pump Levels**
- **Septic Tank Systems**
- **Sump Basin Levels**
- **Storage Tank Systems**

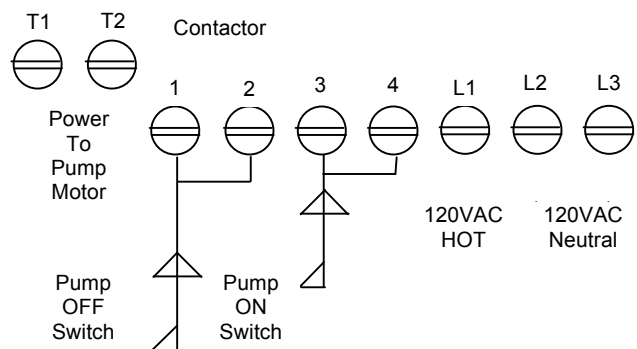
Ordering Information

Part Number	Enclosure Type	Enclosure Size	Operating Voltage	List Price
SNA-ECX18A-N1	NEMA 1	8 ³ / ₄ " x 5 ³ / ₄ " x 5 ¹ / ₂ "	120 VAC	\$130.00

Operation

Function - When 120VAC is connected to L1 and L2 and a jumper is run from L2 to L3, the red pilot will light, indicating the panel is powered. When the circuit is closed between 1 and 2 (Pump Off) and 3 and 4 (Pump On), the yellow pilot will light and power will be supplied to the pump motor through the contactor. The circuit is then latched and the connection between 3 and 4 (Pump On) will not effect the operation. When the connection between 1 and 2 (Pump Off) is open the power to the pump is turned off. The power to the motor can be manually operated or turned off using the selector switch

Connection -



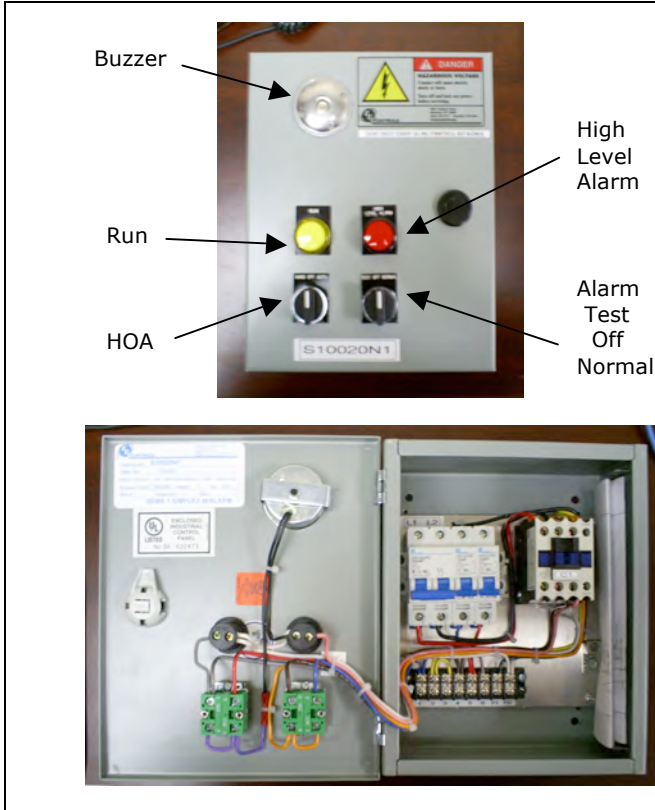
* Power to L2 and L3 should be feed from an appropriately sized circuit breaker

* Wide angle float switches can be installed from 1 to 4

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Simplex Pump Control with Circuit Breakers & Alarm



Provides Power to Operate a Single Pump Motor in Response to Two Switch Inputs, Circuit Breaker Protection and Optical & Audible High Level Alarm

Features:

- **Simple Operation and Connection**
- **120VAC Operating Voltage (Others Available)**
- **Manual Operation Selection of AUTO, HAND or OFF Modes**
- **Manual Alarm Selection of NORMAL, TEST and OFF Modes**
- **Built in Circuit Breakers**
- **Motor Load Up To 1 hp @ 115V**
- **NEMA1 or NEMA 4X Enclosures**
- **UL508**

Typical Applications:

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

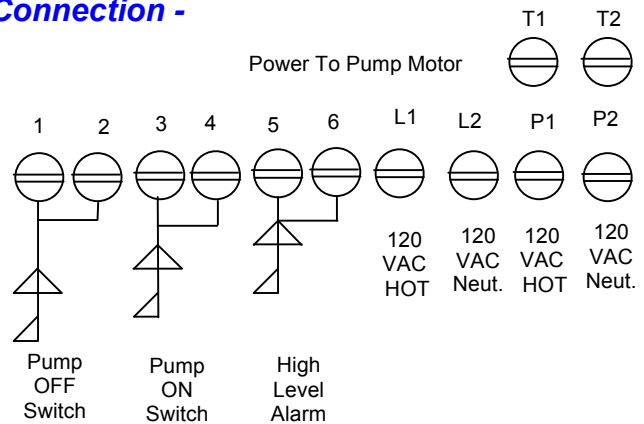
Ordering Information

Part Number	Enclosure Type	Enclosure Size	Operating Voltage	List Price
SHA-ECX18A-N1	NEMA 1	10½" x 8½" x 4 ¼"	120 VAC	\$280.00
SHA-ECX18A-N4X	NEMA 4X	10" x 8" x 6"	120 VAC	\$400.00

Operation

Function – 120VAC is connected to L1, L2 & P1, and P2 through the Circuit Breakers. When the circuit is closed between 1 and 2 (Pump Off) and 3 and 4 (Pump On), the yellow pilot will light and power will be supplied to the pump motor through the contactor. The circuit is then latched and the connection between 3 and 4 (Pump On) will not effect the operation. When the connection between 1 and 2 (Pump Off) is open the power to the pump is turned off. When the circuit is closed between 5, and 6 (by a remote level switch or other sensing device) the red pilot will light and the horn will sound indicating a high level condition.

Connection -



* Wide angle float switches can be installed from 1 to 4

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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
- NEMA1 or NEMA4 Enclosures
- UL508

Typical Applications:

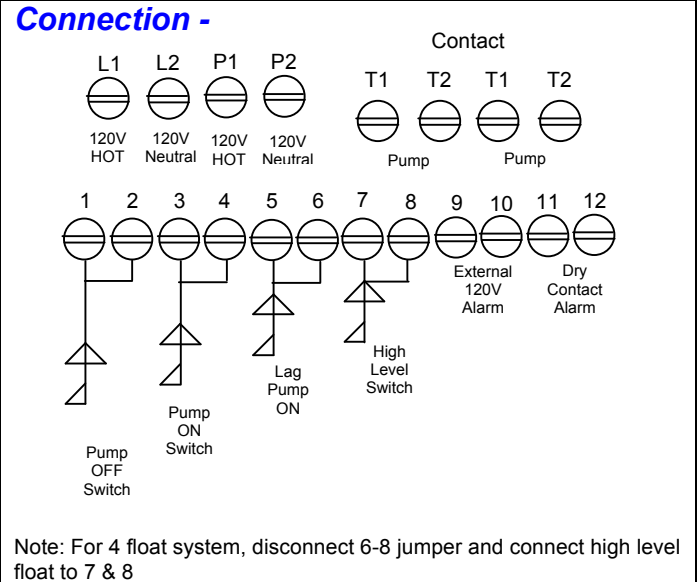
- Level Based Pump Control for
- Drainage Pump Levels
- Septic Tank Systems
- Sump Basin Levels
- Storage Tank Systems

Ordering Information

Part Number	Enclosure Type	Enclosure Size	Operating Voltage	List Price
DHA-ECX18A-N1	NEMA 1	12¼" x 12½" x 6 ¼"	120 VAC	\$500.00

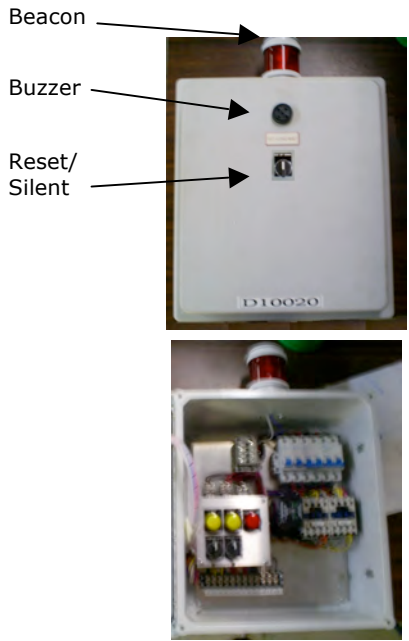
Operation

Function - 120VAC is connected to L1, L2 & P1, and P2 through the Circuit Breakers. 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 are closed, both pump motors will receive power. High-level alarm is activated when the circuit is closed between 7 & 8 and tested or silenced with the external button.



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NEMA 4X Duplex Pump Control with High Level Alarm

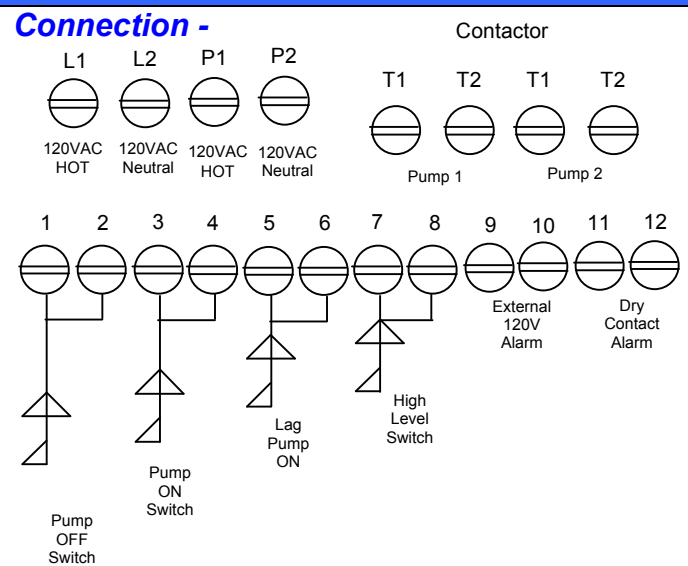
 <p>Beacon</p> <p>Buzzer</p> <p>Reset/ Silent</p> <p>Run 1, Run 2, HOA 1, HOA 2, High Level Alarm are Inside Panel</p>	<p>Provides Power to Operate Two Pump Motors in Response to Three Switch Inputs. Alternates between Pump Motors During Normal Cycle On/Off Operation. Should One Motor Fail; Directs Power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

Part Number	Enclosure Type	Enclosure Size	Operating Voltage	List Price
DHA-ECX18A-N4X	NEMA 4X	15½" x 13¾" x 8½"	120 VAC	\$680.00

Operation

Function - 120VAC is connected to L1, L2 & P1, and P2 through the Circuit Breakers. 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, unless one of the motors fails, in which case it will only supply the working motor. If contacts 5 & 6 are closed, both pump motors will receive power. High-level alarm is activated when the circuit is closed between 7 & 8 and tested or silenced with the external button.



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

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