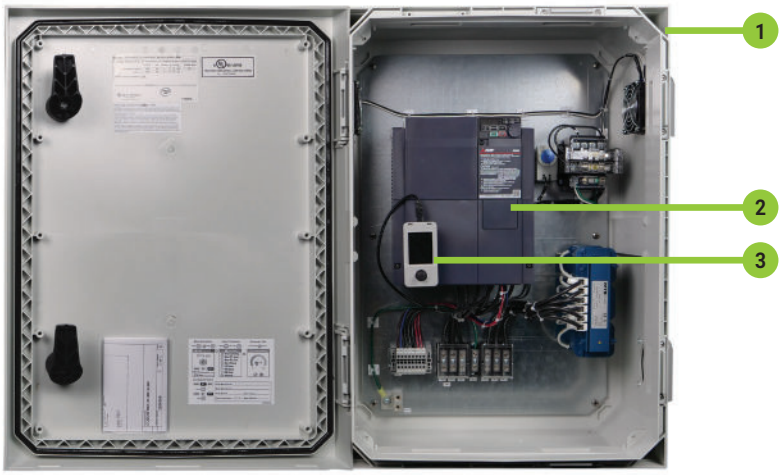
H2O DRIVE® CONSTANT PRESSURE CONTROL

Three Phase, 240 V - Variable Frequency Drive Well Pump Control Panel



c UL us LISTED

5 YEAR LIMITED WARRANTY

The H2O Drive® control panel is designed to control a three phase submersible well pump in constant pressure control applications.

As flow conditions change in the pumping system, the VFD is able to automatically control the pump speed and maintain a constant pressure. The desired set pressure is entered on the color LCD display. The pressure transducer measures the pump system pressure.

FEATURES

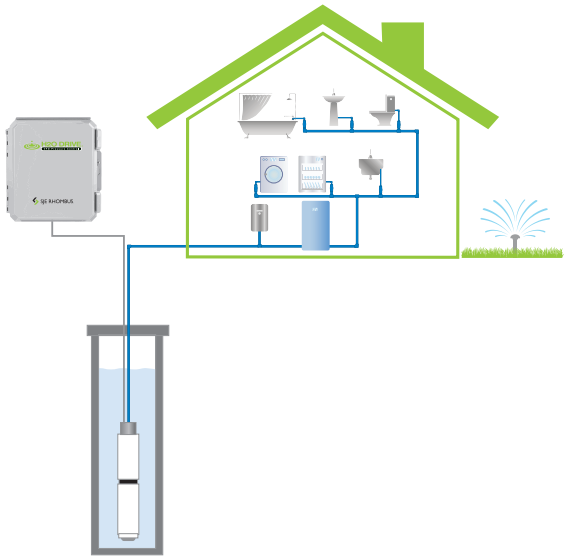
- 2 step quick start wizard for easy setup
  1. Enter set pressure
  2. Enter well pump amps (SFA)
- Graphic color display (LCD):
  - High Brightness / Direct sunlight readable
  - Removable/handheld for easy programming
  - Discharge Pressure (PSI)
  - Pump run indication
  - Pump speed (Hz)
  - Pump Amps (A)
  - Message bar (Status & Alarm)
  - Alarm history
  - Password protection
  - Rotary button for easy menu navigation

- Pump dry run alarm
- Well recharge timer function
- High and Low Pressure Alarm
- Pump motor overload protection
- Monitors transducer faults
- Includes 0-150 PSI pressure transducer with cable
- 2 digital inputs for optional level or floor sensor
- 60Hz max. motor speed (default)
- Up to 80Hz max. possible in select systems

COMPONENTS

1. Enclosure: NEMA 3R ultraviolet stabilized thermoplastic rated for outdoor use with mounting flanges, padlockable cover

   Note: See specifications on back side for sizing.
2. Variable Frequency Drive
3. LCD controller display
4. Vents for VFD cooling (not shown)



SJE RHOMBUS®

9500604A-WEB Rev 12/25

H2O DRIVE® CONSTANT PRESSURE CONTROLS - Three phase, 240V - Variable Frequency Drive well pump control panel.

Part #	Model	HP	Max Amps	Load Reactor	Input	Pump Rating	Enclosure Size	Shipping Weight	List Price
1104992	RD502	5	19.6A	No	240V, 3 Phase	208/230V, 3 Phase	14 x 12 x 6	16.8 lbs.	$2,575.00
1104991	RD752	7.5	30A	No	240V, 3 Phase	208/230V, 3 Phase	18 x 16 x 10	28.7 lbs.	$3,605.00
1104989	RD1002	10	40A	No	240V, 3 Phase	208/230V, 3 Phase	18 x 16 x 10	36.8 lbs.	$4,017.00
1104988	RD1502	15	56A	No	240V, 3 Phase	208/230V, 3 Phase	28 x 20 x 12	67.9 lbs.	$5,253.00
1104986	RD2002	20	69A	No	240V, 3 Phase	208/230V, 3 Phase	28 x 20 x 12	68.4 lbs.	$6,077.00
1104984	RD2502	25	88A	No	240V, 3 Phase	208/230V, 3 Phase	28 x 20 x 12	80.3 lbs.	$6,695.00
1104982	RD3002	30	115A	No	240V, 3 Phase	208/230V, 3 Phase	28 x 20 x 12	80.3 lbs.	$7,519.00
1106583	RD502LR	5	19.6A	Yes	240V, 3 Phase	208/230V, 3 Phase	18 x 16 x 10	42.5 lbs.	$3,045.00
1106582	RD752LR	7.5	30A	Yes	240V, 3 Phase	208/230V, 3 Phase	28 x 20 x 12	77.3 lbs.	$4,944.00
1106580	RD1002LR	10	40A	Yes	240V, 3 Phase	208/230V, 3 Phase	28 x 20 x 12	87.3 lbs.	$5,871.00
1106579	RD1502LR	15	56A	Yes	240V, 3 Phase	208/230V, 3 Phase	28 x 20 x 12	91.9 lbs.	$6,798.00
1106577	RD2002LR	20	69A	Yes	240V, 3 Phase	208/230V, 3 Phase	28 x 20 x 12	93.4 lbs.	$7,622.00
1106575	RD2502LR	25	88A	Yes	240V, 3 Phase	208/230V, 3 Phase	28 x 20 x 12	105.3 lbs.	$8,240.00
1106573	RD3002LR	30	115A	Yes	240V, 3 Phase	208/230V, 3 Phase	28 x 20 x 12	109.3 lbs.	$9,476.00

SELECTING THE CORRECT VFD

1. Determine the voltage available on site.
2. Select a well pump with the same voltage (motor must be three phase).
3. Check well pump motor nameplate Service Factor Amps (SFA) for proper VFD sizing.
4. Select a VFD with an output amp rating higher than motor SFA.
5. Use Full Load Amps (FLA) for booster pump application.

SPECIFICATIONS

CONTROL: Pump run indication
Pump speed (Hz) and Amps (A) indication
Pump motor overload protection
High and low pressure alarms
Pump dry run alarm

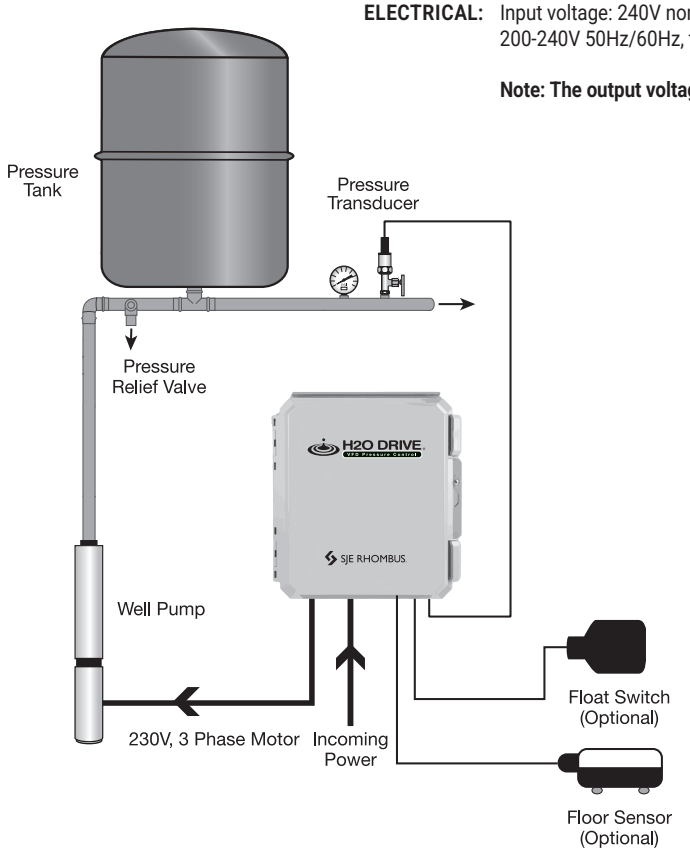
ENCLOSURE: NEMA 3R ultraviolet stabilized thermoplastic rated for outdoor use with mounting flanges, padlockable cover

PRESSURE TRANSDUCER: 0-150 PSI (included) 1/4" NPT Male, NSF 61 rated, 4-20mA, with 15 ft cable. Two-year limited warranty on pressure transducer.

ENVIRONMENTAL: Surrounding air temperature: 14°F to 104°F (-10°C to 40°C)
Panel internal temperature: 14°F to 122°F (-10°C to 50°C)
Storage temperature: -4°F to 131°F (-20°C to 55°C)
Altitude: Maximum of 3,280 ft (1,000 m) above sea level

ELECTRICAL: Input voltage: 240V nominal
200-240V 50Hz/60Hz, three phase

Note: The output voltage cannot exceed the input voltage.



Note: For use in clean water pressure control applications. Not for use with sewage pumps.

California Prop 65 requires the following: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov