EATON | Cutler-Hammer

Pressure Switch

Product Focus

Growing Market

There are currently 10 million private water wells in the United States supplying 23 million people with water. Plus, 6,000 new wells are drilled every week. These wells all use motor-driven water pumps and require a pressure switch to control the opening and closing of electrical contacts in response to pressure changes.

Applications

- Homes with wells (see application diagram on Page 2).
- House boats.
- Car washes.
- Agricultural.
- 120/240 V applications.

Product Offering

Eaton offers a complete package of water pressure switches with ratings for 20 – 40, 30 – 50 and 40 – 60 PSI.
As part of Cutler-Hammer® Home Connected | Home Protected℠, this water pump pressure switch is one product in a long and established line of evolving electrical solutions for your customers' residential product needs.

Features, Functions and Benefits

Eaton's Cutler-Hammer water pump pressure switch comes with the following features:

- Removable cover with captive screw to ensure no loss of screw during installation.
- Ample wiring space for easy connection.
- Diaphragm actuated contacts for smooth operation of the system.
- Adjustable cut-in and cut-out pressure to fit your system requirements.
- High impact molded cover for extra durability and increased life.
- UL® listed and CSA® certified.

In addition to a high-quality product, we also offer:

- Longest warranty in the industry — 3 years.
- Product readily available for shipment (stocked in warehouse).

Electrical Ratings

- Single-phase, 115 Vac, 1.5 hp, 20 amperes.
- Single-phase, 230 Vac, 2 hp, 12 amperes.

Don't miss your opportunity to service this market with a brand you can trust. Place an order with your Eaton sales person today!

Pressure Switch

PRODUCT SELECTION

Description	Enclosure	Catalog Number	% of Sales ❶
20 – 40 PSI Pressure Switch	NEMA® 1	CHWPS2040D	35%
20 – 40 PSI with Pulsation Plug	NEMA 1	CHWPS2040DP	3%
20 – 40 PSI with Low Pressure Cut-off	NEMA 1	CHWPS2040DL	10%
30 – 50 PSI Pressure Switch	NEMA 1	CHWPS3050D	35%
30 – 50 PSI with Low Pressure Cut-off	NEMA 1	CHWPS3050DL	2%
40 – 60 PSI Pressure Switch	NEMA 1	CHWPS4060D	15%

❶ Based on national sales. May vary market to market.

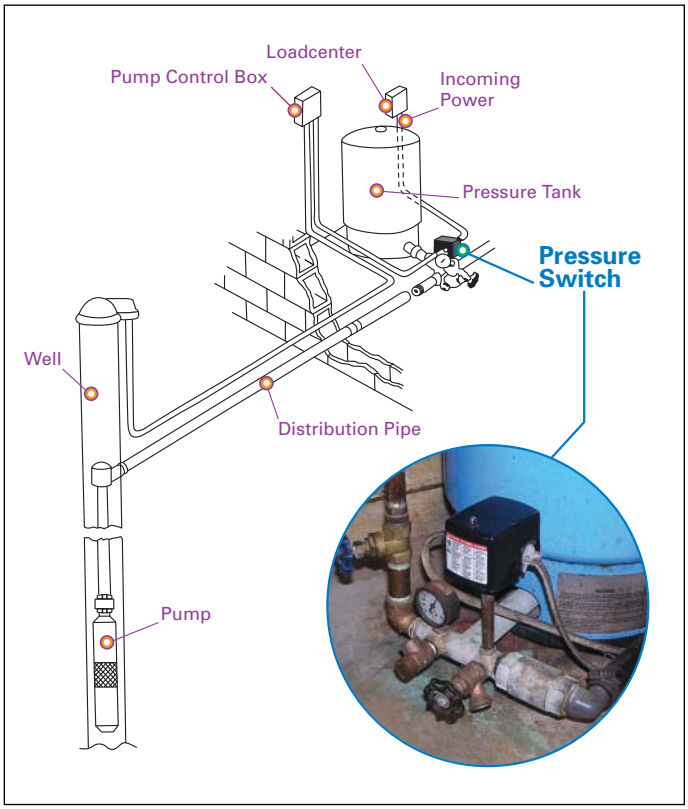
The water pressure switch is designed for the control of electrically driven water pumps. The switch is diaphragm actuated and has contacts that open on rising pressure. The switch is used to maintain a specified pressure range in a storage tank.

Low Pressure Cut-off — The pressure switch will shut down the pump if the pressure drops to 10 PSI below starting pressure. This provides additional pump protection due to lack of water in the well.

Pulsation Plug — A pulsation plug reduces water surges to the switch that would cause the switch to go on and off rapidly with every pulse it received. This prevents your pump from excessive on and off cycling which shortens the pump motor life.

HOME Connected℠
HOME Protected

Operation Diagram



CROSS-REFERENCE GUIDE

Pressure Switch	Cutler-Hammer	Square D®	Flotec®	Water Ace®	Siemens/Furnas®
20/40 Standard	CHWPS2040D	9013FSG2J20	—	15767A510	69WA4Z2040
30/50 Standard	CHWPS3050D	9013FSG2J21	TC2151	15760A501	69WA4
40/60 Standard	CHWPS4060D	9013FSG2J24	TC2153	—	69WA4Z4060
20/40 ❷	CHWPS2040DP	9013FSG2J20P	—	—	69WA4Z2040B
20/40 ❸	CHWPS2040DL	9013FSG2J20M4	—	—	69WEC
30/50 ❸	CHWPS3050DL	9013FSG2J21M4	FP217-1140	19180A501	—

❷ With Pulsation Plug.
❸ With Low Pressure Cut-off.

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