



SQUARE D®

# Pumptrol® Pressure Switches

Proven, Long-Life Water  
and Air Control Switches



*Designed to monitor and control electrically driven water pumps, Pumptrol Pressure Switches are ideal for jet, submersible and reciprocating systems. These durable pressure switches monitor systems to start and stop a pump at pre-set pressures.*

## Features

- NEMA Type 1 indoor enclosure
- 2 pole, rated 1-1/2HP @ 115 Vac, 2HP @ 230 Vac
- Adjustable cut-in/out
- Maximum pressure 220 PSIG
- Diaphragm actuated
- UL, CSA Listed
- Mechanical life: 100,000 operations (minimum test standards)

## Applications

Rural customers usually rely on wells to supply their water. Pumps are used to bring up the water from the well and to pressurize the water pipes in the home. Water is pumped into a storage tank to compress an air bladder that exerts pressure on the water in the home. When the desired pressure is reached, the pump must be stopped. This is where the pressure switch opens a set of electrical contacts to stop the pump.

As your customer uses water, the pressure in the storage tank falls. When the lowest desired pressure is reached, the switches close to start the pump and recharge the system pressure. The most common water pump pressure settings are 20 to 40 pounds per square inch (p.s.i.), 30 to 50 p.s.i. or 40 to 60 p.s.i. The low number is the cut-in pressure, and the high number is the cut-out pressure. Your customer will normally be looking for a replacement device for their system, so just match the low and high pressures with the new device.



## Water Pump Pressure Switches – Type FSG

Cut-in Pressure (PSIG)	Cut-Out Pressure (PSIG)	Pressure Connection (NPSF Internal)	Additional Features	Catalog Number
20	50	1/4"		FSG2J18CP
20	40	1/4"		FSG2J20BP
20	40	1/4"		FSG2J20CP
20	40	1/4"	Manual cut-out lever	FSG2J20M1BP
20	40	1/4"	Manual cut-out lever	FSG2J20M1CP
20	40	1/4"	Low pressure cut-off	FSG2J20M4BP
20	40	1/4"	Low pressure cut-off	FSG2J20M4CP
20	40	1/4"	Pulsation plug	FSG2J20PBP
20	40	1/4"	Pulsation plug	FSG2J20PCP
20	40	3/8"		FSG3J20BP
20	40	3/8"		FSG3J20CP
30	50	1/4"		FSG2J21BP
30	50	1/4"		FSG2J21CP
30	50	1/4"	Manual cut-out lever	FSG2J21M1BP
30	50	1/4"	Manual cut-out lever	FSG2J21M1CP
30	50	1/4"	Low pressure cut-off	FSG2J21M4BP
30	50	1/4"	Low pressure cut-off	FSG2J21M4CP
40	60	1/4"		FSG2J24BP
40	60	1/4"		FSG2J24CP
40	60	1/4"	Low pressure cut-off	FSG2J24M4BP
40	60	1/4"	Low pressure cut-off	FSG2J24M4CP

## Pumptrol Air Compressor Switches Also Available!



Pumptrol Air Compressor Switches are ideal for controlling small electrically driven compressors. Pumptrol Air Compressor Switches are factory set with the following cut-out pressure settings: 100, 125 or 150 p.s.i.

### Features

- NEMA Type 1 indoor enclosure
- 2-pole switch rated 1-1/2HP @ 115 Vac, 2HP @ 230 Vac
- Diaphragm actuated
- Adjustable cut-out pressure
- Fixed differential pressure, maximum pressure 220 PSIG

## Air Compressor Pressure Switches – Type FHG

Pressure Setting Cut-Out (PSIG)	Approx. Differential (PSIG)	Pressure Connection	Additional Features	Catalog Number
100	20	1/4"		FHG2J27BP
100	20	1/4"		FHG2J27CP
100	20	1/4"	2-way pressure relief	FHG2J27XCP
125	30	1/4"	2-way pressure relief	FHG12J52XBP
125	30	1/4"	2-way pressure relief	FHG12J52XCP
150	30	1/4"		FHG12J55CP
150	30	1/4"	2-way pressure relief	FHG12J55XBP
150	30	1/4"	2-way pressure relief	FHG12J55XCP