



The One and Only Original

Pumptrol™ Pressure Switches

www.pumptrol.com



SQUARE D™

by **Schneider** Electric

Why Square D Pressure Switches?

Why do customers need Square D Pressure Switches and what do they do?

There are countless applications for pressure switches. The most common application in the residential market is controlling the water pump in the well/pump system of a home. The switch is designed for use with submersible, jet, and reciprocating systems.

The FSG2 pressure switch:

- Turn a pump motor on or off
- Horsepower rated up to 1.5 hp at 115VAC or 2 hp at 230 VAC
- 1/4" NPSF internal threads

NOTE: Most residential pumps are 1.5 hp or less.

For Switch Replacement: If you are replacing a switch, take note of the pressure differential, for example 20 – 40 psi, 30 – 50 psi, or 40 – 60 psi. This pressure represents where the switch turns the pump on or off.

For Run Dry Protection: you may need a low pressure cut off to protect your system from running dry and potentially damaging your pump. The M4 option will turn the pump off if system pressure falls greater than 10 psi below the cut in pressure. On a 30 – 50 psi switch, the low pressure cut off would actuate below 20 psi and the system would have to be manually reset to start the pump. This provides great low cost protection for your pump!

What products are available?

Most stores carry the **FSG2J20CP**, **FSG2J21CP**, **FSG2J24CP** and **FSG2J21M4CP**. If you don't find the one you need on the shelf, it will be available on line. Check with the plumbing associate or Pro Desk for help.

	FSG2J20CP	FSG2J21CP	FSG2J24CP	FSG2J21M4
				
Cut-in	20 psi	30 psi	40 psi	30 psi w/low pressure cut off
Cut-out	40 psi	50 psi	60 psi	50 psi w/low pressure cut off



Many other versions are available on line.

Why Square D?

Why should customers choose Square D brand switches?

Most customers want the quality and reliability of the original and the industry standard. We offer the #1 pressure switch around the globe.



Professional contractors and customers alike ask for Square D switches by name. For 75 years we've been the gold standard for quality and reliability in the industry.

Simple to install – easy to wire, easy to adjust, and built under strict quality standards.

If you need technical support



Call 1-888-778-2733 (1-888-SQUARED)



To watch installation video: Scan QR code, or google – 'Install Pumptrol'.



Don't regret installing inferior products, always select pressure switches from Square D!

Pressure Switch Part Number Breakdown

5

Water Pressure Switch: Explanation of Part Number (Example: 9013FSG2J24M4)

**9013**

Class Number

FS

Type

G

Enclosure

2

Fluid Connection

J24

Pressure Codes

M4

Options

Class Number (can be with or without)

Type

- FS – Standard Action Adjustable Differential < 1.5 hp
- FY – Standard Action Adjustable Differential < 2 hp
- FR – Reverse Action Adjustable Differential < 1 hp

Enclosure

- G – NEMA 1
- W – NEMA 3R

Fluid Connection*

	Differential	Range
2 – ¼" NPSF Internal	15 - 30 psi	20 - 65 psi
22 – ¼" NPSF Internal	10 - 30 psi	20 - 50 psi

Pressure Codes**

Standard Action	Cut in/cut out psi	Reverse Action	psi
J18	20 - 50	J35	10 - 5
J20	20 - 40	J19	22 - 16
J21	30 - 50	J23	40 - 20
J24	40 - 60	J35	50 - 30
J33	50 - 70		
J25	60 - 80		
J99	Specify Custom Setting		

Options/Modifications***

- M1 – Maintained manual cut out lever (Auto-Off) for FSG or FYG
- M4 – Low Pressure cut off (Auto-Start-Off) for FSG or FYG
- M5 – Maintained manual cut-in lever (Auto-On) for FRG rev action
- P – Pulsation Plug (for types 2 or 9)
- U – Slip-on connections (load side only) for FSG or FYG
- U2 – Slip-on connections (line and load side terminals) for FSG or FYG
- BP – Box Packaging
- CP – Clam Packaging

*Additional connections available

**Additional pressure settings available

***Additional options available

Pressure Switch Part Number Breakdown

Air Compressor Switch: Explanation of Part Number (Example: 9013FHG2J27X)

**9013**

Class Number

FH

Type

G

Enclosure

2

Fluid Connection

J27

Pressure Codes

X

Options

Class Number (can be with or without)

Type

- FH – Air Compressor Fixed Differential

Enclosure

- G – NEMA 1

Fluid Connection*

	Differential	Range
2 – ¼" NPSF Internal	20 psi	40 - 100 psi
12 – ¼" NPSF Internal	30 psi	70 - 150 psi
42 – ¼" NPSF Internal	40 psi	100 - 200 psi
49 – ¼" NPT External	40 psi	100 - 200 psi

Pressure Codes**

Pressure Code	psi	Pressure Code	psi
J27	Off at 100	J59	Off at 175
J52	Off at 125	J99	Specify Custom Setting
J55	Off at 150		

Options/Modifications***

- M1 – Maintained manual cut out lever (Auto-off)
- X – 2-way pressure release valve
- X1 – Quick connect 2 way pressure release valve
- BP – Box Packaging
- CP – Clam Packaging

*Additional connections available

**Additional pressure settings available

***Additional options available

Pressure Switch Part Number Breakdown

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Water/Air Pressure Switch Higher HP Rated:

Explanation of Part Number (Example: 9013GHG2J26X)

**9013**

Class Number

GH

Type

G

Enclosure

2

Fluid Connection

J26

Pressure Codes

X

Options

Class Number (can be with or without)

Type

- GH – 200/250 psi
- GS – 80 psi
- GM – 35 psi

HP ratings between 1 - 5 depending on supply voltage

Enclosure

- G – NEMA 1
- B – NEMA 3R
- W – NEMA 4
- R – NEMA 7, 9

Fluid Connection*

	Type	Range
2 – ¼" NPSF Internal	GH	200 psi
2 – ¼" NPSF Internal	GS	80 psi
2 – ¼" NPSF Internal	GM	35 psi

Pressure Codes**

Pressure Code	Cut in/cut out psi	Pressure Code	psi
J20	20 - 40	J29	75 - 100
J21	30 - 50	J30	80 - 100
J24	40 - 60	J53	100 - 125
J25	60 - 80	J63	145 - 175
J99	Specify Custom Setting		

Options/Modifications***

- X – 2-way pressure release valve
- R – Reverse action / 2 N.O. contacts

*Additional connections available

**Additional pressure settings available

***Additional options available

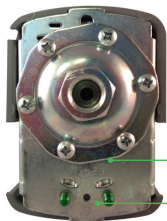
FSG2 Water Pressure Switch Features

- Easily adjustable factory Settings for cut-in and cut-out
- Max Pressure 220 psig

- UL, CSA Listed RoHS compliant NSF Certified for low lead
- Electrical Life: 100,000 operations
- Mechanical Life: 300,000 operations



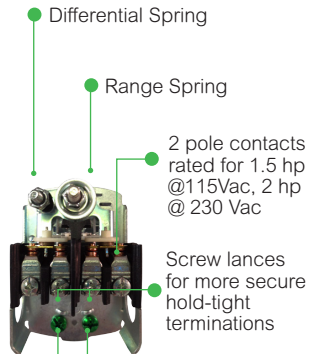
NEMA 1 indoor enclosure



Rugged, non-metallic cover with captive screw



Date code and Square D stamp on all products



Differential Spring

Range Spring

2 pole contacts rated for 1.5 hp @115Vac, 2 hp @ 230 Vac

Screw lances for more secure hold-tight terminations

Two green grounding screws with recessed combo cross slotted heads meet UL requirements



Plastic conduit hole plug supplied to keep the contaminants out and pumps running longer

Convenient installation instructions under the cover

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www.schneider-electric.us

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Life Is On



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