### Commercial Pressure Switches Class 9013, Types FSG, FYG, FRG – Selection and Modifications

### Types FSG, FYG PUMPTROL® Water Pump Pressure Switches

Standard Action: Contacts Open On Rising Pressure



Cut-Out Range (PSIG)	Approximate Adjustable Differential (PSIG)	Cut-in Range (PSIG)	Pressure Connection	2 Pole	
				NEMA	NEMA
			Connection	Type 1	Type 3R■
	15-30	5-45	1/8" NPSF Internal	FSG1	FSW1
			1/4" NPSF Internal	FSG2	FSW2
20-65			1/4" NPT External	FSG9	FSW9
			1/4" Bayonet (barbed)	FSG10	FSW10
			90° Elbow 1/4" Bayonet	FSG20	FSW20
20-50	10-30	10-30	1/4" NPSF Internal	FSG22	FSW22
20-60	10-30	10-45	1/4" NPT External	FSG29	FSW29
9-30	6-20	3-10	1/4" NPSF Internal	FSG42	FSW42
9-30	6-20	3-10	1/4" NPT External	FSG49	FSW49
34-65	15-30	19-45	(FSG1-20 WITH FORM M4)		
	20-30	5-60	1/8" NPSF Internal	FYG1	FYW1
			1/4" NPSF Internal	FYG2	FYW2
25-80			1/4" NPT External	FYG9	FYW9
			1/4" Bayonet (barbed)	FYG10	FYW10
			90° Elbow 1/4" Bayonet	FYG20	FYW20
39-80	20-30	19-60	(FYG1-20 WITH FORM M4)		
20-50	10-30	10-30	1/4" NPSF Internal	FYG22	FYW22
20-60	10-30	10-45	1/4" NPT External	FYG29	FYW29
9-40	6-20	3-10	1/4" NPSF Internal	FYG42	FYW42
9-40	6-20	3-10	1/4" NPT External	FYG49	FYW49

<sup>■</sup> Must be mounted in vertical position to maintain enclosure rating.

#### **Pressure Codes**

Below is the pressure code table for standard action devices. Existence of a code does not imply that the code is available for any or all devices.

Settings	Code
5-21 PSI	J15
8-20 PSI	J16
20-40 PSI	J20
20-50 PSI	J18
30-50 PSI	J21
40-60 PSI	J24
50-70 PSI	J33
55-85 PSI	J34
60-80 PSI	J25
Specify other pressure	J99

### **Ordering Information**

- 1. Specify Class 9013 Type FSG, FYG, or FYG.
- 2. Select pressure code from Pressure Code Table and add code designation to end of type number. Be sure that pressure code falls within the limits of the device as shown in the device listings.
- 3. If special features are desired, add the appropriate Form letter to the Class and Type. Arrange Form letters in alphabetical sequence when ordering more than one special feature.
- 4. Place packaging code at end of sequence with other forms when ordering.

Example: 9013FSG2J21MPU2C20

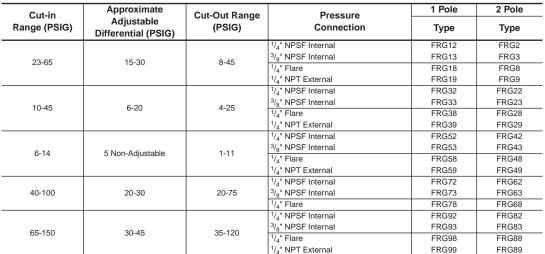
NOTE: If no packaging code is indicated, devices will be shipped individually packaged.



# Commercial Pressure Switches Class 9013, Types FSG, FYG, FRG – Selection and Modifications

### Type FRG PUMPTROL® Water Pump Pressure Switches

Reverse Action: Contacts Open On Falling Pressure





### Pressure Codes (Reverse action)

Below is the pressure code table for reverse action devices. Existence of a code does not imply that the code is available for any or all devices.

Settings	Code
8.5-5.5 PSI	J17
10-5 PSI	J36
22-12 PSI	J22
22-16 PSI	J19
35-20 PSI	J70
40-20 PSI	J23
50-30 PSI	J35
80-60 PSI	J32
100-80 PSI	J51
150-120 PSI	J64
Specify other pressure	J99

## Special Features And Modifications For Type FSG, FYG & FRG Devices

Description	Applies to	Form Letter	
Standard Pack of 20 Devices per box	All Type F	C2O	
Pilot Light - Indicates Switch Contacts Closed	FSG, FYG	G5★	
One Normally Open-One Normally Closed Contact	FRG 2 Pole Only	Н	
Maintained Manual Cut-Out Lever (AUTO-OFF)	FSG, FYG	M1	
Momentary Manual Cut-In Lever (AUTO-START)	FRG2-59 Only	M3	
Low Pressure Cut-Off (AUTO-START-OFF) Operates at Approximately 10 PSIG Below Cut-in and will	FSG, FYG	N/4	
turn off the pump	(Types 1-20 only)	M4	
Maintained Manual Cut-in Lever (AUTO-ON)	FRG2-59 Only	M5	
Pulsation Plug (Standard on FSG-4 and FYG-4)	FRG, FSG, FYG	P♦	
Salt Water Flange (1/4 NPSF Internal Only)	All Type F	Q	
Plactic Floors (may term 420°F) (may process 20 nei)	FRG, FSG, FYG	Q8	
Plastic Flange (max. temp. 120°F) (max. pressure 80 psi)	1/4" NPSF Internal Only		
1/2" Conduit Bushing - 1/2" Long Thread - on Left	All Type F	Т	
1/2" Conduit Bushing - 1/2" Long Thread - on Right	All Type F	T1	
Slip-On Connectors (Load Side Terminals Only)	FSG, FYG	U	
Slip-On Connectors (Line and Load Terminals)	FSG, FYG	U2	
Black Cover	FSG, FYG	Z22	

- ★ Can be field installed. Nameplate should then be marked with the Form letter and maintenance and ordering records corrected.
- Nylon pulsation plug can be field installed on types having 1/4" NPSF Internal connector. Part number 1530-S6-G1 is one bag of 50 plugs

