

1-800-GRAINGER (472-4643)



Machine Tool, Dual Stage, and Differential Pressure Switches

- 1/4" NPT female inlet, except male 3FJZ8
- Rated 10A
- Temp. range: -10° to 185°F

Can be applied to a wide variety of pneumatic and hydraulic machine and process applications to control or monitor system pressure and protect equipment. UL Listed and CSA Certified.

Range	Differential*	Actuation Type	NEMA Rating	Contact Form	Mfr. Model	Item No.
Pressure Switches						
1.5 to 75 psi	4.5 to 15 psi	Diaphragm	7, 9	SPDT	9012GAR4	3FJZ6
3 to 150 psi	9 to 35 psi	Diaphragm	7, 9	SPDT	9012GAR5	3FJZ7
0.2 to 10 psi	0.6 to 2 psi	Diaphragm	13, 4, 4X	SPDT	9012GAW1	6B450
0.2 to 10 psi	0.6 to 2 psi	Diaphragm	13, 4, 4X	SPDT	9012GAW1Z	3FJZ8 †
1 to 40 psi	1.6 to 8 psi	Diaphragm	13, 4, 4X	SPDT	9012GAW2	5B427
1.5 to 75 psi	3.5 to 15 psi	Diaphragm	13, 4, 4X	SPDT	9012GAW4	5B426
3 to 150 psi	6 to 30 psi	Diaphragm	13, 4, 4X	SPDT	9012GAW5	5B425
3 to 150 psi	6 to 30 psi	Diaphragm	13, 4, 4X	SPDT	9012GAW5G17	3FKA1 ‡
3 to 150 psi	6 to 30 psi	Diaphragm	13, 4, 4X	SPDT	9012GAW5G18	1V620 **
3 to 150 psi	6 to 30 psi	Diaphragm	13, 4, 4X	SPDT	9012GAW5K1	3FKA2 #
5 to 250 psi	10 to 49 psi	Diaphragm	13, 4, 4X	SPDT	9012GAW6	5B423
1.5 to 75 psi	3.5 to 15 psi	Diaphragm	13, 4, 4X	DPDT	9012GAW24	3FJZ9
3 to 150 psi	6 to 30 psi	Diaphragm	13, 4, 4X	DPDT	9012GAW25	3KL86
13 to 425 psi	16 to 90 psi	Diaphragm	13, 4, 4X	SPDT	9012GBW1	5B422
20 to 675 psi	27 to 130 psi	Diaphragm	13, 4, 4X	SPDT	9012GBW2	3FKA3
20 to 1000 psi	59 to 200 psi	Piston	13, 4, 4X	SPDT	9012GCW1	5B421
20 to 1000 psi	59 to 200 psi	Piston	13, 4, 4X	SPDT	9012GCW1G18	1V622 **
90 to 2900 psi	170 to 560 psi	Piston	13, 4, 4X	SPDT	9012GCW2	5B420
170 to 5600 psi	289 to 1260 psi	Piston	13, 4, 4X	SPDT	9012GCW3	3FKA4
0.2 to 10 psi	0.6 to +/-0.1 psi	Diaphragm	13, 4, 4X	SPDT	9012GDW1	3FKA5
1 to 40 psi	1.6 to 0.4 psi	Piston	13, 4, 4X	SPDT	9012GDW2	3FKA6
1.5 to 75 psi	3 psi	Diaphragm	13, 4, 4X	SPDT	9012GDW4	3FKA7
3 to 150 psi	6 to 0.8 psi	Diaphragm	13, 4, 4X	SPDT	9012GDW5	3FKA8
3 to 150 psi	6 to 0.8 psi	Diaphragm	13, 4, 4X	SPDT	9012GDW5E3	3FKA9 ††
3 to 150 psi	6 to 0.8 psi	Diaphragm	13, 4, 4X	SPDT	9012GDW5K1	3FKC2 #
5 to 250 psi	10 to 1.5 psi	Diaphragm	13, 4, 4X	SPDT	9012GDW6	3FKC3
20 to 1000 psi	59 psi	Diaphragm	13, 4, 4X	SPDT	9012GFW1	3FKC4
90 to 2900 psi	170 to 15 psi	Diaphragm	13, 4, 4X	SPDT	9012GFW2	3FKC5
90 to 2900 psi	170 to 15 psi	Diaphragm	13, 4, 4X	DPDT	9012GFW22	3FKC6
Dual Stage Pressure Switches						
1.5 to 75 psi	6 to 30 psi	Diaphragm	13, 4, 4X	SPDT	9012GKW4	3FKC9
3 to 150 psi	12 to 75 psi	Diaphragm	13, 4, 4X	SPDT	9012GKW5	3FKD1
5 to 250 psi	22 to 110 psi	Diaphragm	13, 4, 4X	SPDT	9012GKW6	3FKD2
Differential Pressure Switches						
0 to 175 psi	0.5 to 36 psi	Diaphragm	13, 4, 4X	SPDT	9012GGW4	3FKC8
0 to 175 psi	0.5 to 36 psi	Diaphragm	13, 4, 4X	DPDT	9012GGW24	3FKC7



6B450



1V620

Description	For Use With	Mfr. Model	Item No.
Repair Kits			
Actuator Assembly, Nitrile (Buna-N) Diaphragm	Square D 9012GB, GE, GH Series Pressure Switches	9998PC178	3CTT3
Diaphragm Assembly, Nitrile (Buna-N) Diaphragm	Square D 9012GA, GD, GN Series Pressure Switches	9998PC265	3CTT4
Diaphragm Assembly, Nitrile (Buna-N) Diaphragm	Square D 9012GA, GD, GG, GK, GN Series Pressure Switches	9998PC267	3CTT5
Actuator Assembly, Nitrile (Buna-N) Diaphragm	Square D 9012GA, GD, GG, GK, GN Series Pressure Switches	9998PC268	3CTT6
Actuator Assembly, Nitrile (Buna-N) Diaphragm	Square D 9012GA, GD, GG, GK, GN Series Pressure Switches	9998PC269	3CTT7
Piston Assembly, Stainless Steel Piston, Fluorocarbon (VITON) Diaphragm and O Ring	Square D 9012GC, GF, GJ, GQ Series Pressure Switches	9998PC271	3CTT8
Piston Assembly, Stainless Steel Piston, Fluorocarbon (VITON) Diaphragm and O Ring	Square D 9012GC, GF, GJ, GQ Series Pressure Switches	9998PC273	3CTT9
DPDT Snap Switch	Square D 9012GA, GB, GC, GD, GE, GF, GG, GJ Series Pressure Switches	9998PC314	3CTU1

* Differential adds to range setting and determines operating point on rising pressure. † 1/4"-18 NPT external thread (male). ‡ With 120V neon pilot light. # External range adjustment slotted for a screwdriver. ** With 120VAC/DC red neon pilot light. †† Locks on rising pressure; manual reset only. ††† With 24VDC LED pilot light.



Pressure Control Switches

- NEMA B300 (5A/300V)
- 6A, 12VDC; 15A/250VAC resistive
- 1/2 HP at 120/240V
- Temp. range: -40° to 160°F
- 1/4" FNPT
- IP54 enclosure (CE)
- NEMA 1 (UL)

Feature a clear cover with visible pressure scale. UL and C-UL Listed. CE Certified.

Range	Factory On/Off Setting	Differential	Mfr. Model	Item No.
0.6 to 29 psi	8/20 psi	1 to 28 psi	MDR-F 2H-S UL	12T103
1 to 58 psi	15/40 psi	2.2 to 54 psi	MDR-F 4H-S UL	12T104
2.9 to 116 psi	30/60 psi	4.4 to 112 psi	MDR-F 8H-S UL	12T105
4.4 to 145 psi	60/75 psi	5.8 to 138 psi	MDR-F 10H-S UL	12T106
5.8 to 232 psi	80/160 psi	8.7 to 225 psi	MDR-F 16H-S UL	12T107
11.6 to 464 psi	145/290 psi	17.4 to 450 psi	MDR-F 32H-S UL	12T108
58 to 870 psi	290/580 psi	58 to 810 psi	MDR-F 60HH-S UL	12T109
116 to 1740 psi	580/1160 psi	116 to 1610 psi	MDR-F 120HH-S UL	12T110
203 to 3625 psi	1450/1900 psi	174 to 3450 psi	MDR-F 250HH-S UL	12T111



12T103