

**Table 74: Adjustable Differential
NEMA Type 4, 4X, 13 Enclosure
UL Listed and CSA Certified as Industrial Control Equipment**



9012GAW1

Range on Decreasing Pressure, psig	Adjustable Differential ⁽¹⁾ Approximate at Mid Range	Maximum Allowable Pressure, psig	Class 9012 Type	
			SPDT	DPDT
Diaphragm Actuated—Buna-N Nitrile Diaphragm, Zinc Plated Steel Housing				
0.2–10	0.6–2	100	GAW1	GAW21
1–40	1.6–8	100	GAW2	GAW22
1.5–75	3.5–15	240	GAW4	GAW24
3–150	6.0–30	475	GAW5	GAW25
5–250	10.0–49	750	GAW6	GAW26
13–425	16–90	850	GBW1	GBW21
20–675	27–130	2000	GBW2	GBW22
Piston Actuated – #440 Stainless Steel Piston. #303 Stainless Steel Housing, Viton® Fluorocarbon Diaphragm and O-ring, Teflon® Retaining Ring				
20–1000	59–200	10000	GCW1	GCW21
90–2900	170–560	15000	GCW2	GCW22
170–5600	289–1260	20000	GCW3	GCW23
270–9000	495–1900	25000	GCW4	GCW24
Specifications				
Fluids Controlled	Air, water, hydraulic oils, gases, steam (depending on the model)			
Pressure Connection	G1/4 (BSP) female, 1/4" NPTF, or 1/2"-14 NPT. For metric threads, add M after the W on all types.			
Weight (approximate)	3 lb (1.36 kg)			
Voltage Limits	600 V			
Continuous Current	10 A			
Electrical Connections	1/2"-14 NPTF, PG13.5, or ISO M20. For metric threads, add M after the W on all types.			
Standards/Ratings	CE, IEC 60957.5.1, UL 508, CSA 3211-03. UL Marine Listed for use on ships/vessels greater than 65 ft long where ignition protection is not required.			
Temperature Ratings	Minimum	Maximum		
Ambient	-23 °C (-10 °F)	+85 °C (+185 °F)		
Diaphragm	-40 °C (-40 °F)	+120 °C (+250 °F)		
Media Piston	-26 °C (-15 °F)			
All with Form Q4	-26 °C (-15 °F)			
Operating Curves	Contact Blocks		Connection	
	1 N.O., 1 N.C. 		Form H17 	
	2 N.O., 2 N.C. 		Form H10 	
SPDT snap switches contain two double-break contact elements (1 N.O., 1 N.C.) that must be used on circuits of the same polarity. DPDT snap switch contain two electrically separated sets of contact elements allowing use on circuits of opposite polarity. Each set contains two double-break contact elements (1 N.O., 1 N.C.) that must be used on circuits of the same polarity.		Form H11 		
Acceptable Wire Sizes: 12–22 AWG		Recommended Terminal Clamp Torque: 7 lb-in		

⁽¹⁾ The differential adds to the range setting and determines the operating point on rising pressure.