

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 <sup>(1)</sup> Approximate at Mid Range	Maximum Allowable Pressure, psig	Class 9012 Type	
			SPDT	DPDT
<b>Diaphragm Actuated—Buna-N Nitrile Diaphragm, Zinc Plated Steel Housing</b>				
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
<b>Piston Actuated – #440 Stainless Steel Piston. #303 Stainless Steel Housing, Viton® Fluorocarbon Diaphragm and O-ring, Teflon® Retaining Ring</b>				
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
<b>Specifications</b>				
<b>Fluids Controlled</b>	Air, water, hydraulic oils, gases, steam (depending on the model)			
<b>Pressure Connection</b>	G1/4 (BSP) female, 1/4" NPTF, or 1/2"-14 NPT. For metric threads, add M after the W on all types.			
<b>Weight (approximate)</b>	3 lb (1.36 kg)			
<b>Voltage Limits</b>	600 V			
<b>Continuous Current</b>	10 A			
<b>Electrical Connections</b>	1/2"-14 NPTF, PG13.5, or ISO M20. For metric threads, add M after the W on all types.			
<b>Standards/Ratings</b>	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.			
<b>Temperature Ratings</b>	<b>Minimum</b>	<b>Maximum</b>		
<b>Ambient</b>	-23 °C (-10 °F)	+85 °C (+185 °F)		
Diaphragm	-40 °C (-40 °F)	+120 °C (+250 °F)		
Piston	-26 °C (-15 °F)			
<b>Media</b>	All with Form Q4 -26 °C (-15 °F)			
<b>Operating Curves</b>				
	<b>Contact Blocks</b>		<b>Connection</b>	
	1 N.O., 1 N.C.		<b>Form H17</b> 	
2 N.O., 2 N.C.		<b>Form H10</b> 	<b>Form H11</b> 	
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.				
<b>Acceptable Wire Sizes:</b> 12–22 AWG		<b>Recommended Terminal Clamp Torque:</b> 7 lb-in		
<sup>(1)</sup> The differential adds to the range setting and determines the operating point on rising pressure.				