

Product Specifications – Pneumatic Relays

	Pos./Negative Bias	Positive Bias		Adjustable Ratio	Pneum. Computing	Snap Acting
						
	14	15	1500A	21	22	24
Flow Capacity - SCFM (m3/hr) @ Supply Pressure of 100 psig (700 kPa)	40 (68)	40 (68)	150 (255)	40 (68)	2 (3.4)	14 (23.8)
Exhaust Capacity - SCFM (m3/hr) Downstream pressure 5 psig (35 kPa) above 20 psig (150 kPa) set point	5.5 (9.4)	5.5 (9.4)	40 (68)	5.5 (9.4)	Note 1	14 (23.8)
Sensitivity - inches of WC (cm of WC)	0.5 (1.27)	0.25 (0.64)	0.5 (1.27)	0.25 (0.64)	Note 1	0.2 (0.51) to 0.5 psig (3.45 kPa)
Maximum Supply Pressure - psig (kPa)	250 (1700)	250 (1700)	250 (1700)	250 (1700)	150 (1000)	120 (800)
Maximum Signal Pressure - psig (kPa)	150 (1000)	150 (1000)	150 (1000)	150 (1000)	50 (350)	120 (800)
Maximum Output Pressure - psig (kPa)	150 (1000)	150 (1000)	150 (1000)	150 (1000)	50 (350)	120 (800)
Dimensions (Approx.) - Inches (mm)	Dia 3"H 8" (Dia 76 H 203)	Dia 3" H 7" (Dia 76 H 177)	Dia. 4½" H 8½" (Dia. 114 H 216)	9⅞" x 3⅝" x 4⅞" (251 x 92 x 124)	Dia 3" H 9" (Dia 76 H 229)	Dia 3" H 8½" (Dia 76 H 216)
Port Size (NPT, BSPT or BSPP)	¼", ⅜", ½"	¼", ⅜", ½"	⅜", ½", ¾"	¼", ⅜"	¼", ⅜"	¼", ⅜", ½"

Note 1: Multiple configurations allowing up to 4 inputs plus positive and negative biasing over a broad range, designed for multiple functions such as Averaging, Differential, Inverting, Totalising and On/Off

	Reversing	2-stage Biasing	Low Pressure Selector	High Pressure Selector
				
	25	85D	90	91
Flow Capacity - SCFM (m3/hr) @ Supply Pressure of 100 psig (700 kPa)	40 (68)	14 (23.8)	Note 2	Note 2
Exhaust Capacity - SCFM (m3/hr) Downstream pressure 5 psig (35 kPa) above 20 psig (150 kPa) set point	11 (18.7)	2.5 (4.25)	Note 2	Note 2
Sensitivity - inches of WC (cm of WC)	0.13 (0.32)	Not Applicable	Note 2	Note 2
Maximum Supply Pressure - psig (kPa)	250 (1700)	250 (1700)	Note 2	Note 2
Maximum Signal Pressure - psig (kPa)	150 (1000)	150 (1000)	200 (1400)	200 (1400)
Maximum Output Pressure - psig (kPa)	150 (1000)	150 (1000)	200 (1400)	200 (1400)
Dimensions (Approx.) - Inches (mm)	Dia 3"H 7 ½" (Dia 76 H 191)	1¾" x 1¾" x 5" (44 x 44 x 127)	Dia 3" H 1¾" (Dia 76 H 44)	Dia 3" H 1¾" (Dia 76 H 44)
Port Size (NPT, BSPT or BSPP)	¼", ⅜", ½"	⅛", ¼", ⅜"	¼" (NPT only)	¼" (NPT only)

Note 2: Switching Differential: +0.1 psid (0.7); maximum differential between signals: 100 psid (700)