Type 3411

Digital Circuit-Card Pressure Regulators

Description

The Type 3411 Circuit Card Pressure Regulator regulates air pressure in proportion to an analog electrical signal (AUTO) or via an over-ride thumbwheel (MANUAL). The 3411 utilizes a unique patent-pending LEARN mode to characterize the users specific downstream load. Quiet Valve Operation produces crisp accurate regulation without the chattering noise typical of other solenoid-valve-based products.

The Type 3411 is specifically designed for use with spring-return air-duct cylinders in the Heating, Ventilating, and Air Conditioning (HVAC) industries. Any application involving single-acting cylinders, valves, or bladders may benefit from the unique advanced features of this product. These include Vent Hood Control, Damper Control, Instrumentation, and Medical Applications. At just 2.1" / 51mm by 2.8" / 71mm with a height of 1.3" / 33mm, the 3411 is ideal for OEM's and other space-conscious customers.

Features

- Mounting DIN Tray, Panel, or Multi-Unit Manifold
- · Zero Air Consumption at steady state
- Failure Mode upon loss of power: Lock-in-Place or To-Atmosphere
- Available with snap tracks, barbed air fittings, and pressure gauges
- Quiet Valve Operation
- AUTO / MANUAL / LEARN Modes



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111	Z		0	G				0		
		A	*	A	A	A	*	A	A	Logic Output
	Z									No Logic Output
										Analog Control Signal
		Ε								0-10V
		1								4-20mA
										Lower Output Pressure
			0							Lower Limit of Output Pressure
										Pressure Units
				G						PSIG
										Upper Limit Output Pressur
					015					15 PSIG
					030					30 PSIG
										Mounting
						D				DIN tray
						Р				Panel Mount
						М				Manifold-Mount (150 PSIG maximum output)
										Supply and Output Ports
							0			1/8 NPT
							1			1/8 BSPT
							2			1/8 BSPP
										Connector
								0		Terminal Block
										Options
									00	None
									03	Fail Safe (to atmosphere)

	Type 3411				
Performance	Full-Scale Accuracy 1.0%				
Electrical Inputs					
Supply Voltage	24VDC, 24 VAC				
Stand by Supply Current	80 mA				
Maximum Supply Current	120 mA				
E/P Control	0-10V, 15K OHMS				
I/P Control	4-20 mA , 250 OHMS				
Electrical Outputs					
Monitor Output	0-10V, 0-5V				
Pneumatic Inputs					
For outputs ≤ 15 PSIG	30 PSIG				
For outputs > 15 PSIG	60 PSIG				
Pneumatic Outputs					
Full-scale Atmospheric Pressure Ranges	15, 30 PSIG (1.0, 2.1 BAR)				
Forward Flow Capacity	1.25 SCFM (35.4 LPM)				
Exhaust Flow Capacity	1.25 SCFM (35.4 LPM)				
Environmental					
Operating Temperature	32-141 °F (0-60 °C)				
Media-Wetted Materials	Aluminum, copper alloys, nickel, buna-n, silicon, 316SS				
Recommended Accessories	Manifold, Power Supply, Control Knob, External Volume Booster, Snap Track, Barbed Air Fittings, Gauge				