

Type 3110 / Type 3120

Analog Circuit-Card Regulators

Description

The compact Type 3110 (one-loop) and 3120 (two-loop) Circuit-Card Pressure Regulators are perfect for size-conscious OEM's, without sacrificing any of the high-end performance normally associated with full-size I/P's.

Industry-standard analog control signals (0-10V or 4-20 mA) are user-selectable (V or mA) and configurable (zero and span). Industry-standard analog monitor output signal (0-10V) available for user-monitoring of actual output pressure. Industry-standard logic output signals (high or low) are available for user-monitoring of setpoint status - 'at setpoint' or 'still searching'.

Features

- Small Footprint
- User Selectable Input
- Analog Monitor Output
- Single Loop and Dual Loop Control
- Economical



Type 3110
Analog Circuit-Card Regulators

Type 3110/T3120 Ordering Information

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*For flush panel mounting specify 'P' option and order 161-520-000 bracket.

Type 3110 and 3120

Performance	Full-Scale Accuracy 0.5%	
Electrical Inputs		
Supply Voltage	15-24VDC (12VDC option)	
Stand by Supply Current	80 mA	
Maximum Supply Current	250 mA	
E/P Control	0-10V, 10K OHMS	
I/P Control	4-20 mA , 250 OHMS	
Electrical Outputs		
Monitor Output	0-10V	
Logic Output	TTL	
Pneumatic Inputs	Max. Output PSIG (BAR)	Max. Supply PSIG (BAR)
Supply Pressure	Up to 5 (.35)	20 (1.4)
	>5 to 15 (.35-1.03)	30 (2.1)
	>15 to 30 (1.03-2.1)	60 (4.1)
	>30 to 100 (2.1-6.9)	165 (11.4)
	>100 to 150 (6.9-10.3)	200 (13.8)
	>150 to 300 (10.3-20.7)	350 (24.1)
	>300 to 600 (20.7-41.4)	650 (44.8)
Pneumatic Outputs		
Full-scale Atmospheric Pressure Ranges	1, 5, 15, 30, 100, 150, 300, 500, 600 psig	
	0.07, 0.35, 1.03, 2.07, 6.9, 10.34, 20.68, 34.47, 68.95 BAR	
Vacuum Pressure Ranges	30" Hg, 30, 150 PSIA (2.1 BAR, 10.3 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, Remote Pressure Sensor, External Volume Booster	

Contact:
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