

Type 3211 & 3221

Analog Weatherproof Regulators

Description

The Type 3211 single loop and 3221 double loop controllers offer non-bleeding solenoid valve technology with an integral flow booster that produces forward flows equivalent to standard industrial electronic regulators or I/P converters. The 3211/3221 offers analog monitoring of the output pressure by a 0-10 VDC signal, plus logic monitor output of the solenoid valves. Many output pressures are available up to 150 psi. A built in air volume booster provides for a forward flow of up to 15 SCFM and a reverse flow (exhaust) of up to 7 SCFM. The double loop (3221) option permits 0-10 VDC feedback from a remote sensor.

Applications include; Machine Automotive, Robotics Control, Web Tension Control, Tire Manufacturing and Testing, Torque Control, Molding and Forming Operations, and Paint Spray.

Features

- Weatherproof Enclosure
- User Selectable Input Signal
- Analog Monitor Output
- Single Loop and Dual Loop Control



Type 3211/3221 Ordering Information

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↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	Number of Loops
1											1 Loop
2											2 Loop
	1										Logic Output
		M									CMOS
		T									TTL
		O									Open-Collector
			E								Analog Control Signal
			I								0-10V
											4-20mA
				0							Lower Output Pressure
											Lower Limit of Output Pressure
					G						Pressure Units
											PSIG
						005					Upper Output Pressure
						015					5 PSIG Output Pressure
						030					15 PSIG Output Pressure
						100					30 PSIG Output Pressure
						150					100 PSIG Output Pressure
											150 PSIG Output Pressure Upper Limit
											Mounting*
							P				Pipe (in-line)
							M				Manifold-Mount
											Supply and Output Ports
								0			1/4 NPT
								1			1/4 BSPT
								2			1/4 BSPP
											Connector
									1		
											Options
										00	None
										14	12 VDC supply

*Order panel bracket and DIN rail clip separately.
For Manifold-Mount (no threads), specify 0 for Supply and Output Ports.

Type 3211 and 3221		
Performance	Full-Scale Accuracy 0.5%	
Electrical Inputs		
Supply Voltage	15-24VDC (12VDC option)	
Stand by Supply Current	80 mA	
Maximum Supply Current	325 mA	
E/P Control	0-10V, 10K OHMS	
I/P Control	4-20 mA , 250 OHMS	
2nd-loop Remote Sensor Feedback	T3221: 0-10V	
Electrical Outputs		
Monitor Output	0-10V (4-20 mA option)	
Logic Output	CMOS, TTL, Open-Collector	
Pneumatic Inputs		
	Max. Output PSIG (BAR)	Max. Supply PSIG (BAR)
	Up to 5 (.35)	20 (1.4)
Supply Pressure	>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)
Pneumatic Outputs		
Full-scale Atmospheric Pressure Ranges	5, 15, 30, 100, 150 psig	
	0.07, 0.35, 1.03, 2.07, 6.9, 10.34 BAR	
Forward Flow Capacity	15 SCFM 425 LPM	
Exhaust Flow Capacity	7 SCFM 198 LPM	
Environmental		
Operating Temperature	32-141 ° F (0-60 ° C)	
Media-Wetted Materials	Aluminum, copper alloys, nickel, buna-n, silicon, 316SS	
Required Accessories	6-pin micro cordset	
Recommended Accessories	DIN-rail Bracket, Panel Bracket, Power Supply, Control Knob, Remote Pressure Sensor	