

# Type 3212 & 3222

## Analog Weatherproof Regulators

### Description

The Type 3212 single loop and 3222 double loop are non-bleeding electro-pneumatic controller with flows exceeding those of most compact standard industrial electronic regulators or I/P transducers. The 3212/3222 offers analog monitoring of the output pressure by a 0-10 VDC signal. Many output pressures are available up to 150 PSI. Flows to 60 SCFM are possible from the compact Type 3212/3222 electronic controller with integrated booster relay. A reliable twin solenoid valve system, with an integral pressure sensor, controls pressures to an accuracy of  $\pm .5\%$ . Custom output ranges are available.

Applications include: Automotive, Industrial Machinery, Web Tension Control, and Tire Manufacturing and Testing.

### Features

- Closed Loop Technology
- Integrated Air Volume Booster
- Current/Voltage Command and Monitor Signals
- Compact Unit with Flows up to 60 SCFM

### Type 3212/3222 Ordering Information

2	2	0	G	150	P	1		
↑	↑	↑	↑	↑	↑	↑	↑	Number of Loops
1								1 Loop
2								2 Loop
	2							Logic Output
								CMOS
								TTL
								Open-Collector
								Analog Control Signal
								0-10V
								4-20mA
								Lower Output Pressure
								Lower Limit of Output Pressure
								Pressure Units
								PSIG
								Upper Output Pressure
								5 PSIG Output Pressure
								15 PSIG Output Pressure
								30 PSIG Output Pressure
								100 PSIG Output Pressure
								150 PSIG Output Pressure
								Upper Limit
								Mounting
								Pipe (in-line)
								Supply and Output Ports
								1/4 NPT
								1/4 BSPT
								1/4 BSPP
								3/8 NPT
								3/8 BSPT
								3/8 BSPP
								Connector
								1
								Options
								00 None
								14 12 VDC supply



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Performance	Full-Scale Accuracy 0.5%	
<b>Electrical Inputs</b>		
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	T3222: 0-10V	
<b>Electrical Outputs</b>		
Monitor Output	0-10V	
Logic Output	CMOS, TTL, Open-Collector	
<b>Pneumatic Inputs</b>		
	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)
<b>Pneumatic Outputs</b>		
Full-scale Atmospheric Pressure Ranges	5, 15, 30, 100, 150 PSIG 1.03, 2.07, 6.9, 10.34 BAR	
Forward Flow Capacity	60 SCFM (1700 LPM)	
Exhaust Flow Capacity	15 SCFM (425 LPM)	
<b>Environmental</b>		
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	