Type 3410 & 3420

Digital Circuit-Card Regulators

Description

The compact Type 3410 (one-loop) and 3420 (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.

The T3400 can be controlled digitally (via the serial interface) or with industry standard analog control signals (0-10V or 4-20mA). Industry-standard analog monitor output signals (0-10V or 4-20mA optional) are available for user-monitoring of actual output pressure.

Features

- Small Footprint
- Serial Interface
- Digital or Analog Inputs
- Analog Monitor Output
- Single Loop and Dual Loop Control

Type 3410 and 3420 Ordering Information

4		0	S		0					0		
												Loops
	1											1 loop
	2											2 loops
		0										
												Digital Interface
			S									Serial RS-485 (RS-232 and USB via converters)
												Analog Control Signal
				E								0-10V
				I								4-20mA
												Lower Output Pressure
					0							Lower Limit of Output Pressure
												Pressure Units
						G						PSIG
						A						PSIG Absolute
						V						Vacuum
						W						Inches of Water Column
												Upper Output Pressure
							001					1 PSIG
							005					5 PSIG
							015					15 PSIG
							030					30 PSIG
							100					100 PSIG
							300					300 PSIG
							600					600 PSIG Upper Limit
												Mounting
								D				DIN tray
								P				Panel Mount
								M				Manifold-Mount (150 PSIG/ 16.3 BAR max output)
												Supply and Output Ports
									0			1/8 NPT
									1			1/8 BSPT
									2			1/8 BSPP
												Options
											00	None
											15	15VDC Supply

	Type 3410 and 3420
Performance	Full-Scale Accuracy 0.5%
Electrical Inputs	
Supply Voltage	24VDC (optional 15VDC)
Stand by Supply Current	80 mA
Maximum Supply Current	250 mA
Supply Pressure	
Atmospheric Pressure Ranges	1, 5, 15, 30, 100, 150, 300, 600 PSIG 0.07, 0.35, 1.03, 2.07, 6.9, 10.34, 20.68, 41.4 BAR
Vacuum Pressure Ranges	30" Hg, 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)
Analog Setpoint Control	0-5V, 0-10V, 4-20mA*
Digital Setpoint Control	0-100% full scale (installed sensor=100%)
Digital Communications	Serial RS-485 interface
Serial Address	Addresses a-z available (except p and q reserved). 'r' default*
Loop Options	Regulate 1st loop (onboard sensor) or 2nd loop (remote sensor)
Remote Sensor Feedback	0-10V, 0-5V, 4-20 mA, (Forward and Reverse Acting)*
Analog Output Source	Follow Setpoint, Output Pressure, or Remote Sensor*
Analog Output Range	0-10V, 0-5V*
Environmental	
Operating Temperature	32-141 °F (0-60 °C)
Media-Wetted Materials	Aluminum, copper alloys, nickel, buna-n, silicon, 316SS

* Selectable and configurable via Serial Interface