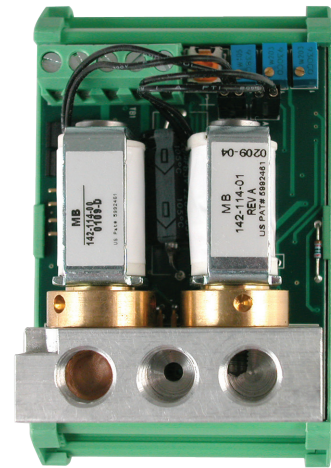


Type 3110

Analog Circuit-Card Regulators



Type 3110
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 | |
|----------------------------------------|---------------------------------------------------------------------------------------|------------------------|
| 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 | | |
| Supply Pressure | Max. Output PSIG (BAR) | Max. Supply PSIG (BAR) |
| | 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 | |