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/T3120 Ordering Information

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of Loops</td>
</tr>
<tr>
<td>2</td>
<td>Logic Output</td>
</tr>
<tr>
<td>600</td>
<td>Analog Control Signal</td>
</tr>
<tr>
<td>0</td>
<td>Lower Output Pressure</td>
</tr>
<tr>
<td>G</td>
<td>Pressure Units</td>
</tr>
<tr>
<td>A</td>
<td>PSIG</td>
</tr>
<tr>
<td>V</td>
<td>PSIA absolute</td>
</tr>
<tr>
<td>W</td>
<td>Vacuum</td>
</tr>
<tr>
<td>D</td>
<td>Upper Output Pressure</td>
</tr>
<tr>
<td>P</td>
<td>Upper Limit of Output Pressure (PSIG)</td>
</tr>
<tr>
<td>M</td>
<td>Mounting</td>
</tr>
<tr>
<td>0</td>
<td>DIN Tray</td>
</tr>
<tr>
<td>1</td>
<td>Panel-Mount</td>
</tr>
<tr>
<td>2</td>
<td>Manifold-Mount</td>
</tr>
<tr>
<td>0</td>
<td>Supply and Output Ports</td>
</tr>
<tr>
<td>1</td>
<td>1/8 NPT</td>
</tr>
<tr>
<td>2</td>
<td>1/8 BSPT</td>
</tr>
<tr>
<td>0</td>
<td>Connector</td>
</tr>
<tr>
<td>00</td>
<td>Options</td>
</tr>
</tbody>
</table>

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)**
  - Up to 5 (.35)
  - >5 to 15 (1.5-1.03)
  - >15 to 30 (1.03-2.1)
  - >30 to 100 (2.1-6.9)
  - >100 to 150 (6.9-10.3)
  - >150 to 300 (10.3-20.7)
  - >300 to 600 (20.7-41.4)
- **Max. Supply PSIG (BAR)**
  - 20 (.14)
  - 30 (2.1)
  - 60 (4.1)
  - 165 (11.4)
  - 200 (13.8)
  - 350 (24.1)
  - 650 (44.8)

**Supply Pressure**
- 1, 5, 15, 30, 100, 150, 300, 500, 600 psig
- 0.01, 0.35, 1.03, 2.07, 6.9, 10.34, 20.8, 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 Rooster

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