

Type 3111

Analog Circuit-Card Regulators

Description

The T3111 Compact Analog Pressure Controller is an economical version of the T3100 with no remote feedback or logic output capabilities. Output pressure is limited to 150 PSIG maximum. Jumper selections include AC/DC power and several control signal ranges. Manual output pressure adjustment and differential control signals are available. Overall product dimensions are identical to Type 3110.

Features

- HVAC application
- Mounts on panel, DIN rail, or directly to multi-station manifold
- Small Footprint
- Analog Monitor Output (0 - 5v)
- Economical
- Manual override for output span adjustments



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Type 3111/Ordering Information

| 111Z | 0 | 150 | 0 | | | | | |
|------|---|-----|-----|---|---|----|---|--|
| ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | Analog Control Signal |
| E | | | | | | | | 0-10V |
| I | | | | | | | | 0-20 mA |
| 0 | | | | | | | | 0-5V |
| 1 | | | | | | | | 0-15V |
| | 0 | | | | | | | Lower Output Pressure Lower Limit of Output Pressure |
| | | G | | | | | | Pressure Units PSIG |
| | | A | | | | | | PSIA absolute |
| | | V | | | | | | Vacuum |
| | | W | | | | | | Inches of water column |
| | | | | | | | | Upper Output Pressure Upper Limit of Output Pressure (PSIG) |
| | | | 150 | | | | | |
| | | | | D | | | | Mounting DIN Tray |
| | | | | P | | | | Panel-Mount * |
| | | | | M | | | | Manifold-Mount |
| | | | | | | | | Supply and Output Ports |
| | | | | | 0 | | | 1/8 NPT |
| | | | | | 1 | | | 1/8 BSPT |
| | | | | | 2 | | | 1/8 BSPP |
| | | | | | | | | Connector |
| | | | | | | 0 | | |
| | | | | | | | | Options |
| | | | | | | 00 | | None |
| | | | | | | 14 | | 12 VDC supply |

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

Type 3111

| | | |
|--|--|------------------------|
| Performance | Full-Scale Accuracy 0.5% | |
| Electrical Inputs | | |
| Supply Voltage | 24VDC (12VDC option) 24VAC | |
| Stand by Supply Current | 80 mA | |
| Maximum Supply Current | 250 mA | |
| E/P Control | 0-5V, 0-10V, 0-15V 2K-100K ohms | |
| I/P Control | 0-20 mA , 250 ohms | |
| Pneumatic Inputs | | |
| | 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) |
| Supply Pressure | | |
| Pneumatic Outputs | | |
| Full-scale Atmospheric Pressure Ranges | 1, 5, 15, 30, 100, 150 PSIG 0.07, 0.35, 1.03, 2.07, 6.9, 10.34 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 | |