

Series A6



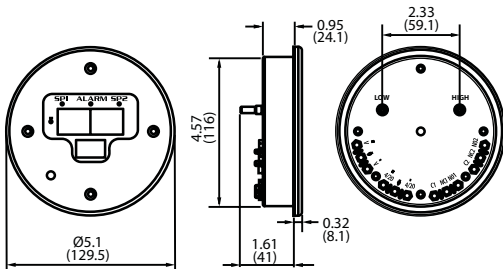
Digital Differential Pressure Control with 316 SS Cover



- 316L Stainless Steel Front Cover
- Mounts in Industry Standard Holes
- 1.6" (41 mm) Panel Depth
- OLED Program Display
- Optional 4-20 mA Output
- Universal Power 24-240 VAC / VDC
- (2) 8A SPDT Relays

The Series A6 is a microprocessor based controller for positive, negative, and differential pressure as well as velocity and flow. The Series A6 differential pressure controller includes (2) 8A SPDT relays, and an optional digitally scalable 4-20 mA output. The programmable control allows full configuration of variables such as setpoints, dead band, engineering units, flow coefficients, and more. The programming is done from a user-friendly menu on the OLED display or with an OptiLink™ programming key. The OLED also displays the exact setpoints or other user defined variables during normal operation. Furthermore, the menu structure can be customized by moving variables to different menu levels to accommodate user preferences.

DIMENSIONS

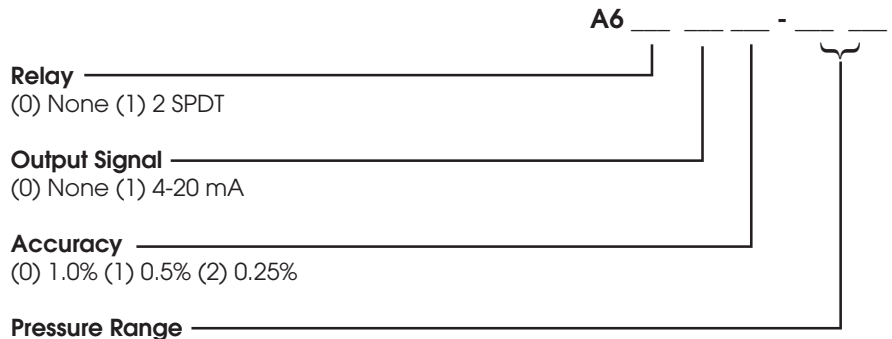


SPECIFICATIONS

- Maximum Pressure:**
 Ranges -00 to -05 = 2 PSI (13.8 kPa)
 Ranges -06 to -14 = 10 PSI (68.9 kPa)
- Media Compatibility:** Air and compatible non-combustible, non-corrosive gasses
- Accuracy:** 1.0%, 0.5% or 0.25%
- Temperature Ranges:**
Compensated and Operating: -10° to 140°F (-23° to 60°C)
- Thermal Effect:** +/- 0.02% FS/°F
- Output Signal:** 4-20 mA (option)
- Loop Resistance:** 750 Ω Max (for internally sourced power); 1800 Ω Max (for externally sourced power of 36 VDC)
- Power Supply:** Universal 24-240 VAC or VDC
- Housing Material:** Front cover – 316L SS and Acrylic; Back housing – Glass Filled Nylon
- Enclosure Rating:** Designed to meet NEMA 4 (IP 65) face; with optional cover the entire product is weatherproof
- Relays:** (2) SPDT 8 Amps @ 250 VAC, 5A @30 VDC
- Electrical Connections:** screw terminals
- Response Time:** <100 ms
- Display:** 4 Digit, red LED, ½" (12.7 mm) digits; OLED programming display
- Process Connection:** Push on connection for 3/16" (5 mm) tubing

PART NUMBER CONFIGURATION

Sample: A6110-00



Number	Range (Pa/kPa)	Number	Range (Pa/kPa)	Number	Range (Pa/kPa)
(-00)	0-0.25" (60)	(-05)	0-4" (1.0)	(10)	0-20" (5.0)
(-01)	0-0.5" (125)	(-06)	0-5" (1.25)	(11)	0-30" (7.5)
(-02)	0-1" (250)	(-07)	0-8" (2.0)	(12)	0-40" (10)
(-03)	0-2" (500)	(-08)	0-10" (2.5)	(13)	0-50" (12.5)
(-04)	0-3" (750)	(-09)	0-15" (3.75)	(14)	0-60" (15)

* All ranges are bi-directional

ACCESSORIES

- **A-101** Weatherproof Cover / Surface Mount Bracket
- **A-201** Rubber 90 degree fitting for 3/16" ID tubing
- **A-010** PG 21 Cable Gland for use with A-101 Cover
- **PK-03** OptiLink™ Infrared Programming Remote