

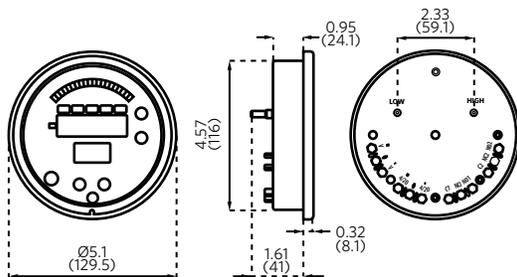
# SERIES A4 Digital Differential Pressure Control



- Mounts in Industry Standard Holes
- 1.6" (41 mm) Panel Depth
- OLED Program Display
- Measures Flow & Velocity
- Optional 4 - 20 mA Output
- Universal Power 24 - 240 VAC / VDC
- (2) 8A SPDT Relays

The Series A4 digital differential pressure controller is a patented microprocessor based pressure controller for positive, negative, and differential pressure as well as velocity and flow. The Series A4 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. 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. Compared to other mechanical products, the Series A4 digital differential pressure controller has a significantly reduced depth, an improved look, and better performance.

## DIMENSIONS



## SPECIFICATIONS

### Maximum Pressure:

Ranges -00 to -07 = 2 PSI (13.8 kPa)  
Ranges -08 to -12 = 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:** Glass Filled Nylon

**Enclosure Rating:** Designed to meet NEMA 4X (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

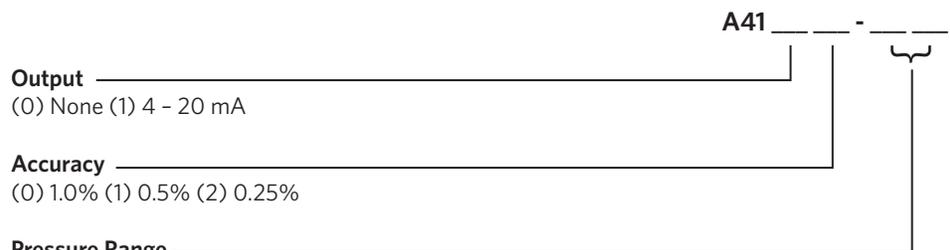
**Display:** 4 Digit, red LED, ½" (12.7 mm) digits; OLED programming display

**Process Connections:** Push on connection for 3/16" (5 mm) tubing

**Agency Approvals:** CE

## PART NUMBER CONFIGURATION

Sample: A4112-03



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)		
(-04)	0 - 3" (750)	(-09)	0 - 15" (3.75)		

\* All ranges are Bi-directional

## ACCESSORIES

- **A-101** Weather-Proof 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