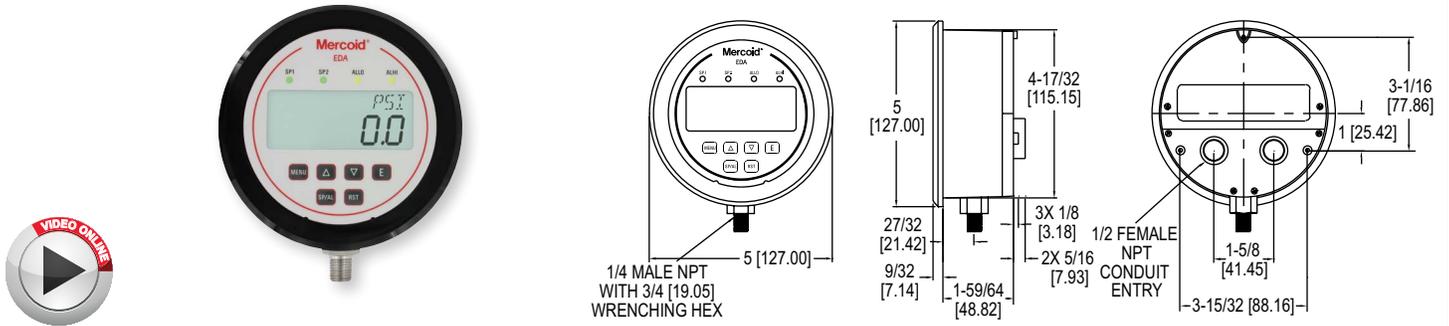


ELECTRONIC PRESSURE CONTROLLER

2 Switches, Indicating Gage, and Transmitter in One Package

CALIBRATION SERVICES AVAILABLE



Series EDA Electronic Pressure Controller is an extremely versatile compact package that can replace a separate gage, two switches, and a transmitter in a system saving money, installation time, and panel space. The EDA incorporates two SPDT relays that have the on and off points fully adjustable over the range for control or alarm use. Front face has LED indicators for switch status and a large backlight two-line display showing process value and indication units. Programming is easy with simple menu structure, two-line display, and external programming buttons. Weatherproof housing is ideal for a wide variety of applications with panel mount, flush mount, or pipe mount ability. Features include zero set, adjustable dampening, menu lock out, peak and valley indication, removable terminal blocks, adjustable time delay, and scalable transmitter output.

BENEFITS/FEATURES

- Can replace separate gages, two switches and a transmitter in a system saving money, installation time, and panel space with its versatile and compact functionality
- Meets simple and complex application needs with fully programmable software
- Easily test switch and transmitter output function through the test mode that simulates input over the range without pressuring the system
- Protection in case of sensor failure, over pressure, high temperature limit, low temperature limit, or keypad short with fail-safe relay output choices
- Even wear on duplex pump applications via selectable alternation of the set points between relays
- Ideal for a wide variety of applications with panel mount, flush mount, or pipe mount ability due to its rugged weatherproof housing
- Eliminate the need of a step down transformer with the -HV 120/240 VAC power option

APPLICATIONS

- Process control
- Compressor control
- Filter status
- Duct or building static pressure
- Damper and fan control

SPECIFICATIONS

Service: Compatible liquids and gases.
Wetted Materials: 316L SS.
Housing: Polycarbonate.
Accuracy: ±1% of FS including linearity, hysteresis, and repeatability (indicator and transmitter).
Stability: < ±2% of FS per year.
Pressure Limits: 1.5 x range.
Temperature Limits: Ambient: 20 to 140°F (-6.6 to 60°C); Process: 0 to 176°F (-18 to 80°C).
Compensated Temperature Limits: 32 to 122°F (0 to 50°C).
Thermal Effect: ±0.05% of FS/°F.
Display: 4-digit backlit LCD (digits: 0.60"H x 0.33" W).
Power Requirements: 12-28 VDC/AC 50/60 Hz. (Can work at 8 VDC for 45 s). For T5 option: 14-30 VDC/AC 50/60 Hz. For -HV option: 120-240 VAC.
Power Consumption: 12-28 VDC/VAC: 2.5 watts; 120-240 VAC: 4.5 watts.
Electrical Connections: Removable terminal blocks with two 1/2" female NPT conduit connections.
Enclosure Rating: Meets NEMA 4X (IP66).
Warm Up Time: <10 s.
Mounting Orientation: Any position.
Weight: 1.18 lb (535 g).
Compliance: CE, UL.

SWITCH SPECIFICATIONS
Switch Type: 2 SPDT relays.
Electrical Rating: 5 A @ 120/240VAC, 1 A @ 30 VDC.
Repeatability: ±1% of FS (switching only).
Set Points: Adjustable 0-100% of FS.
Switch Indication: External LED for each relay on the front panel.
Switch Reset: Manual or automatic.

TRANSMITTER SPECIFICATIONS
Output Signal: 4-20 mA, 1-6 VDC, 1-5 VDC, 0-5 VDC, or 0-10 VDC (direct or reverse output selection).
Minimum Excitation: 14 VDC.
Zero and Span Adjustments: Menu scalable within the range.

MODEL CHART								
Example	EDA	W	-N1	E1	-02	T0	-AT	EDAW-N1E1-02T0-AT
Series	EDA							Electronic pressure controller
Housing		W						Weatherproof
Process Connection			N1					1/4" NPT male bottom
Electrical Connection				E1				Two 1/2" female NPT conduit connections
Range					02 03 04 05 06 07 08 09 10			0-20 psi (1.379 bar) 0-60 psi (4.14 bar) 0-100 psi (6.89 bar) 0-150 psi (10.34 bar) 0-300 psi (20.68 bar) 0-600 psi (41.4 bar) 0-1000 psi (68.9 bar) 0-1500 psi (103.4 bar) 0-3000 psi (206.8 bar)
Transmitter Output						T0 T1 T2 T3 T4 T5		None 4-20 mA 1-5 VDC 0-5 VDC 1-6 VDC 0-10 VDC
Options						AT HV NIST		Aluminum adhesive tag 120-240 VAC power NIST certificate

ACCESSORIES	
Model	Description
A-590	1/2" conduit plug, watertight
A-EDA-BRK	Flush mount bracket for EDA, bracket is then surface mounted, steel with gray hammertone epoxy finish



A-EDA-BRK with EDA installed

Single Pressure Gages/Switches/Transmitters, Digital