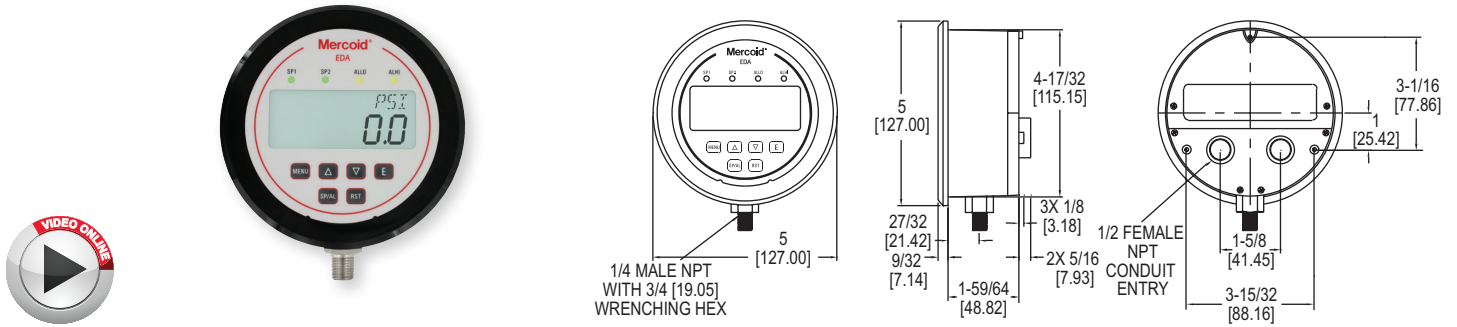


# ELECTRONIC PRESSURE CONTROLLER

## 2 Switches, Indicating Gage, and Transmitter in One Package



**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.

**FEATURES/BENEFITS**

- Versatile compact package that can replace a separate gage, two switches, and a transmitter in a system saving money, installation time, and panel space
- Fully programmable to meet simple or complex application needs
- Test mode function simulates input over the range without pressuring to easily test switches and transmitter output function
- Fail-safe relay output choices in case of sensor failure, over pressure, high temperature limit, low temperature limit, or keypad short
- Selectable alternation of set points between the relays for even wear on duplex pump applications
- Weatherproof housing is ideal for a wide variety of applications with panel mount, flush mount, or pipe mount ability

**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:** 12-30 VDC/AC.  
**Power Consumption:** 2.5 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).  
**Agency Approvals:** 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
<b>Series</b>	EDA							Electronic pressure controller
<b>Housing</b>		W						Weatherproof
<b>Process Connection</b>			N1					1/4" NPT male bottom
<b>Electrical Connection</b>				E1				Two 1/2" female NPT conduit connections
<b>Range</b>					02			0-20 psi (1.379 bar)
					03			0-60 psi (4.14 bar)
					04			0-100 psi (6.89 bar)
					05			0-150 psi (10.34 bar)
					06			0-300 psi (20.68 bar)
					07			0-600 psi (41.4 bar)
					08			0-1000 psi (68.9 bar)
					09			0-1500 psi (103.4 bar)
					10			0-3000 psi (206.8 bar)
<b>Transmitter Output</b>						T0		None
						T1		4-20 mA
						T2		1-5 VDC
						T3		0-5 VDC
						T4		1-6 VDC
						T5		0-10 VDC
<b>Options</b>							AT	Aluminum adhesive tag
							NIST	NIST certificate
							23444	Oxygen cleaning

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