



## Electronic Pressure Controller

2 Switches, Indicating Gage, and Transmitter in One Package

## Models Select Chart

<b>EXAMPLE</b>	<b>EDA</b>	<b>W</b>	<b>N1</b>	<b>E1</b>	<b>02</b>	<b>T0</b>	<b>NIST</b>	<b>Series EDAW-N1E1-02T0-NIST Electronic Pressure Controller, weatherproof housing, 1/4" male NPT process connection, (2) 1/2" conduit connections, range 0-20 psig, with NIST certificate.</b>
<b>SERIES</b>	EDA							Electronic Pressure Controller
<b>HOUSING</b>		W						Weatherproof
<b>PROCESS CONNECTION</b>			N1					1/4" Male NPT
<b>CONDUIT CONNECTION</b>				E1				Two 1/2" NPT
<b>RANGE</b>					02 03 04 05 06 07 08 09 10			0-20 psig 0-60 psig 0-100 psig 0-150 psig 0-300 psig 0-600 psig 0-1000 psig 0-1500 psig 0-3000 psig
<b>TRANSMITTER OUTPUT</b>						T0 T1 T2 T3 T4 T5		None 4 to 20 mA 1 to 5 VDC 0 to 5 VDC 1 to 6 VDC 0 to 10 VDC
<b>OPTIONS</b>							AT NIST P 23444	Aluminum Adhesive Tag NIST Certificate 1/2 NPSM Conduit Plug Special Cleaning

## Accessories

<b>Model</b>	<b>Description</b>
A-590	1/2" conduit plug, watertight.
A-370	Flush mount bracket used with: Photohelic® 3000MR/MRS, Capsuhelic®, 631B Transmitter, EDA. Bracket is then surface mounted. Steel with gray hammertone epoxy finish.

<b>Specifications:-</b>		
<b>Service</b>	:	Compatible liquids and gases.
<b>Wetted Materials</b>	:	316L SS.
<b>Housing</b>	:	Glass filled plastic
<b>Accuracy</b>	:	±1% of FS including linearity, hysteresis, and repeatability (indicator and transmitter).
<b>Stability</b>	:	< ±2% of FS per year.
<b>Pressure Limits</b>	:	1.5 x range.
<b>Temperature Limits</b>	:	Ambient: 20 to 140°F (-6.6 to 60°C); Process: 0 to 176°F (-18 to 80°C).
<b>Compensated Temperature Limits</b>	:	32 to 122°F (0 to 50°C).
<b>Thermal Effect</b>	:	±0.05% of F.S./°F.
<b>Display</b>	:	4-digit backlit LCD (Digits: 0.60"H x 0.33"W).
<b>Power Requirements</b>	:	12 to 30 VDC/AC.
<b>Power Consumption</b>	:	2.5 watts.
<b>Electrical Connections</b>	:	Removable terminal blocks with two 1/2" female NPT conduit connections.
<b>Enclosure Rating</b>	:	Meets NEMA 4X (IP65).
<b>Warm Up Time</b>	:	<10 seconds.
<b>Mounting Orientation</b>	:	Any position.
<b>Weight</b>	:	1.18 lbs (535 g).
<b>Agency Approvals</b>	:	CE, UL.

#### **SWITCH SPECIFICATIONS**

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

#### **TRANSMITTER SPECIFICATIONS**

<b>Output Signal</b>	:	4-20 mA, 1-6 VDC, 1-5 VDC, 0-5 VDC, or 0-10 VDC (direct or reverse output selection).
<b>Minimum Excitation</b>	:	14 VDC.

<b>Zero and Span Adjustments</b>	:	Menu scalable within the range.