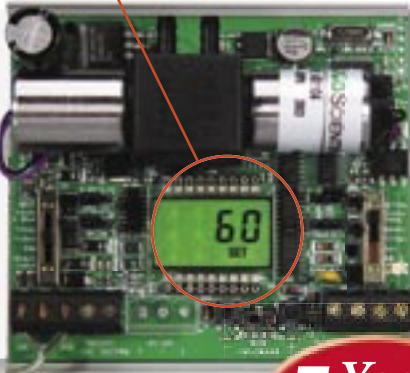


LCD DISPLAY!



Snap Track Housing for Easy Mounting!

**5 Year**  
Warranty

# EP3 Series

## Electropneumatic Transducer

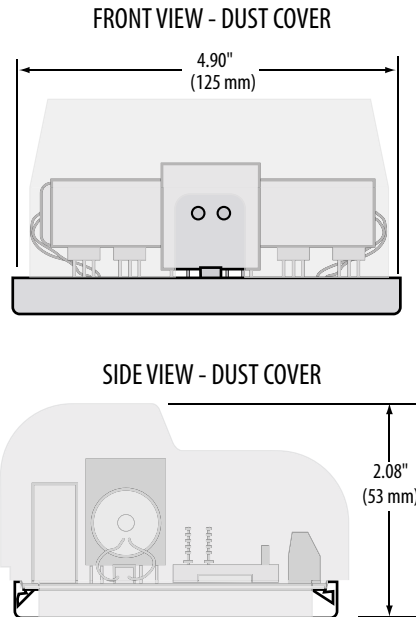
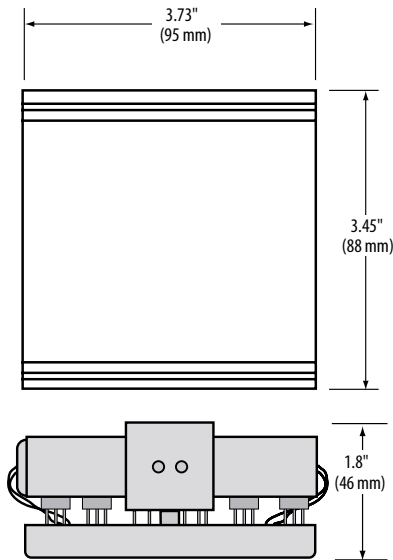
### Features

- User-selectable slide-switch PWM, Tri-state and selectable analog inputs in one unit...fewer models to order and stock
- User programmable zero and span outputs...
- Backlit LCD for local indication of readings...more accurate than analog gauges, easy to view in applications with poor lighting
- Poppet valve technology for quiet operation...perfect for schools and hospitals
- Dual color LED...assists in trouble shooting
- Optional transparent plastic dust cover (AA43) protects units from dust and tampering

The EP3 Series electropneumatic transducers combine a micro-controller with high-performance low-power coil **poppet valve technology** that provides unmatched accuracy and proven reliability. Moreover, these proprietary poppet valves consume no air, resulting in efficient operation, decreased valve cycling and extended life.

The EP3 covers a wide range of applications as all models include PWM, Tristate and analog inputs coupled with programmable user defined outputs – WOW! Additionally, all EP3 Series transducers come standard with a backlit LCD that displays branch-line pressure readings.

### DIMENSIONAL DRAWINGS



138

### ORDERING INFORMATION

	(Input)	(Output)	(Feedback)	(Failsafe)	(US or EU)	(Option)
EP	<input type="checkbox"/> 3	<input type="checkbox"/>	<input type="checkbox"/> 3	<input type="checkbox"/>	<input type="checkbox"/> S	<input type="checkbox"/>
	3 = PWM, Tristate 0-5/0-10VDC, and 4-20mA, selectable; and programmable PSI output	0 = None 3 = Analog output: 0-10VDC, or 4-20mA, selectable	3 = Pressure Loss Alarm, or Manual Mode Alarm	0 = None 1 = Vent on Power Fail	S = Standard	Blank = None 2 = EP Cover Plate

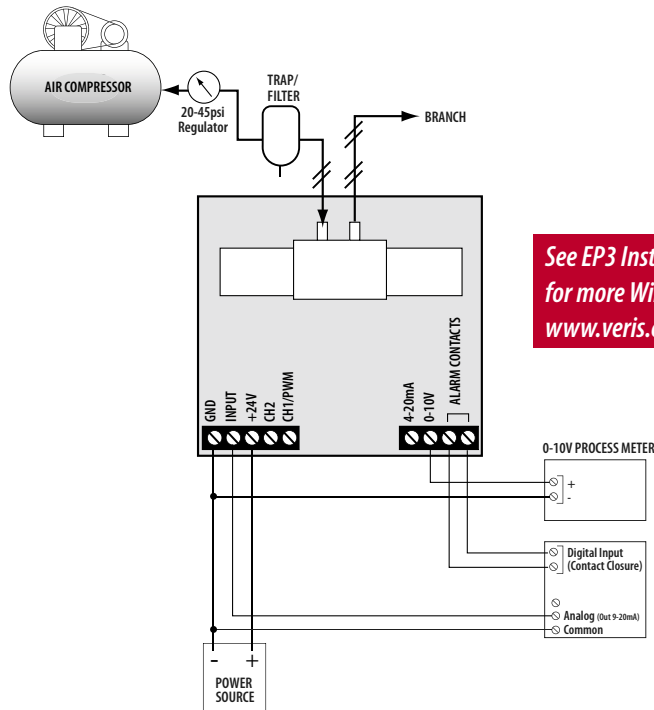
Example:

EP  3  3  3  1  S  2 Option = Cover Plate

### ACCESSORIES

AA23 Steel Bracket, AA43 Dust cover, AA45 Pneumatic Capacitor... See pages 234-237.

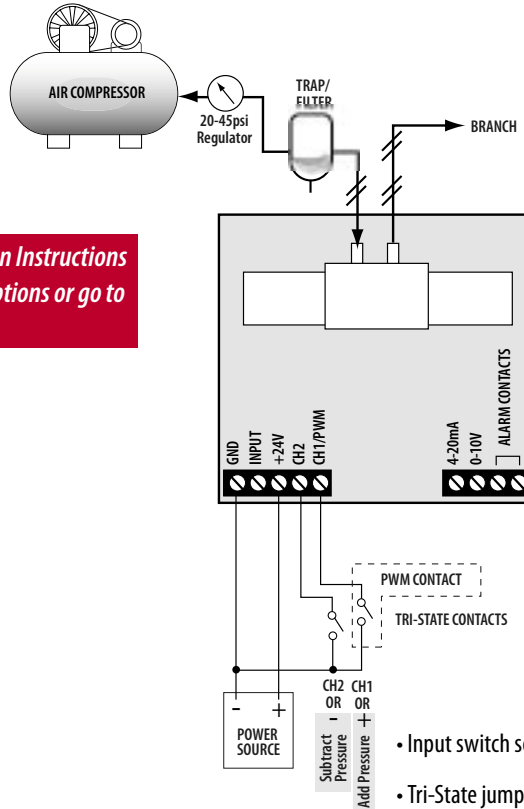
**CURRENT/VOLTAGE CONTROL, VOLTAGE OUTPUT EXAMPLE**



See EP3 Installation Instructions for more Wiring Options or go to [www.veris.com](http://www.veris.com).

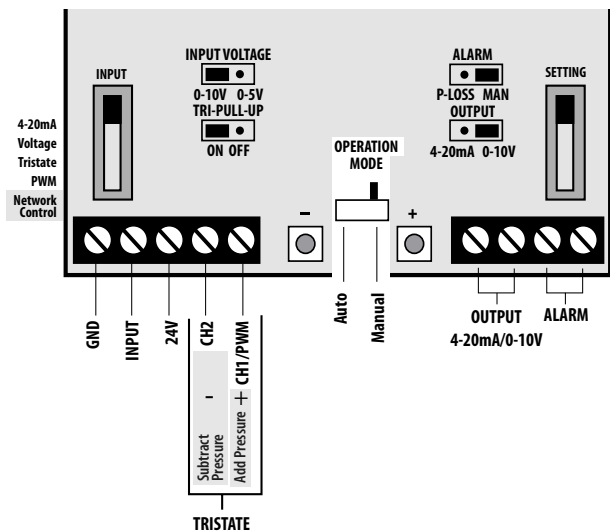
- Input switch set to voltage (0-5VDC or 0-10VDC)
- Input volt jumper set to either 0-5VDC or 0-10VDC
- Input switch set to 4-20mA
- Output jumper set to 0-10VDC

**TRI-STATE CONTROL EXAMPLE**



- Input switch set to "TRI-STATE"
- Tri-State jumper set to "ON"

**CONFIGURATION**



**SPECIFICATIONS**

<b>Power Supply</b>	22-30VDC, 20-30VAC, 47-63 Hz., 150mA max. average, 350 mA peak
<b>Control Input</b>	4-20mA, 0-10VDC, 0-5VDC; jumper selectable, Tri-State, PWM
<b>Input Impedance</b>	4-20mA, 250ohm; 0-5/0-10V, 10k ohm
<b>Manual Override</b>	Digital pushbutton adjust, Switch selectable mode
<b>Alarm Contact</b>	100mA@30VAC/DC (Pressure loss or manual mode, jumper selectable)
<b>Accuracy</b>	1% F.S.; combined linearity, hysteresis, repeatability @20°C ambient
<b>Operational Temp. Range</b>	5°C to 60°C (41° to 140°F)
<b>Temp Coefficient</b>	±0.1%/°C
<b>Operating Environment</b>	10-90% RH, non-condensing -4°C-60°C
<b>SCIM</b>	523 in <sup>3</sup> /min.@45 psi; (8570 cm <sup>3</sup> /min@310.3 KPa); 333 in <sup>3</sup> /min@20 psi; (5457 cm <sup>3</sup> /min@137.9 KPa)
<b>Supply Pressure</b>	Minimum (0.1psi + user F.S. pressure); Maximum 45psi
<b>Control Range</b>	User programmable Zero selectable from 0-25psi; Span 0-25psi
<b>Pressure Differential</b>	0.1psig (supply to branch)
<b>Pressure Indication</b>	Electronic, 3-1/2 digit, back-lit LCD
<b>Minimum Tubing Length</b>	15-feet*
<b>Port Connection</b>	1/8" id poly tubing
<b>Media Connection</b>	Clean dry air or inert gas. Not for use with oxygen service or combustible gasses

\*For shorter tubing runs use AA45 Pneumatic Capacitor



EP Series transducers are sold as an open device. Observe handling precautions for static sensitive devices to avoid damage to the circuitry which would not be covered under the factory warranty.