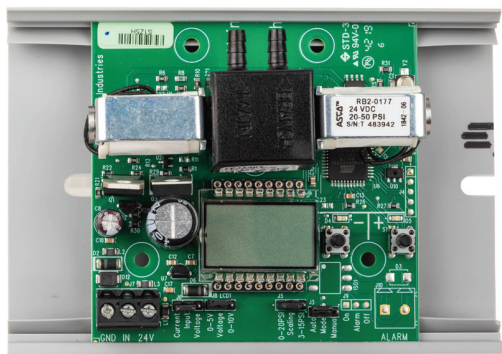


## EP2 SERIES

Micro-Controlled with High-Performance,  
Low-Power Coil Poppet Valve Technology



EP2



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.

The EP2 Series electropneumatic pressure transducer uses micro-controlled poppet valve technology for highly accurate pressure sensing in multiple applications. The poppet valves consume no air, eliminating unnecessary air losses in the system and allowing for stable and reliable operation. The EP2 comes installed on standard SnapTrack, and an optional dust cover is available to protect from the environment. An LCD display and LED indicators make it easy to read system status at a glance.

### SPECIFICATIONS

#### GENERAL

|                         |  |
|-------------------------|--|
| Input Power             | Class 2; 24 Vac/dc nominal, 30 Vac max.; 150 mA max.   |
| Control Input           | Class 2; 4 to 20mA/0-5 V/0-10 Vdc; jumper-selectable   |
| Input Impedance         | 4 to 20 mA, 250 $\Omega$ ; 0-5 V/0-10 Vdc, 10 k $\Omega$   |
| Manual Override         | Jumper-selectable mode, digital pushbutton adjust  |
| Alarm Contact           | 100 mA@30 Vac/dc (pressure loss, manual mode, jumper selectable)                                 |
| Accuracy                | 1% FS; combined linearity, hysteresis, repeatability   |
| Compensated Temp Range  | -4 to 65 $^{\circ}$ C (25 to 140 $^{\circ}$ F)   |
| Temperature Coefficient | $\pm 0.05\%/^{\circ}$ C  |
| Operating Environment   | 10 to 90% RH non-condensing  |
| Air Capacity            | 523 in3/min @ 45 psi (8570 cm3/min @ 310.3 kPa); 333 in3/min @ 20 psi (5456 cm3/min @ 137.9 kPa) |
| Supply Pressure         | 45 psig max.   |
| Control Range           | 0 to 20 psig or 3 to 15 psig, jumper-selectable  |
| Pressure Differential   | 0.1 psig (supply to branch)  |
| Pressure Indication     | Electronic, 3-1/2 digit LCD  |

## Field selectable

Field-selectable 4 to 20 mA/  
0-5 V/0-10 Vdc input for  
application flexibility

## Multi-point calibration

Multi-point calibration; 3 to 15 psi  
(5-point calibration) and 0 to 20  
psi (6-point calibration)

## Quiet operation

Poppet valve technology for quiet  
operation

## Pressure loss alarm

Pressure loss alarm provides a  
contact closure if the EP2 is unable  
to achieve the desired output  
within a fixed length of time

## Manual override

Manual override with set and hold  
feature...great for commissioning  
leaky systems

## Fail-safe vent

Fail-safe vent solenoids bleed  
branch pressure on power failure  
for added safety

### APPLICATIONS

- Hospitals
- Schools
- Pneumatic dampers/actuators

|                       |  |
|-----------------------|--|
| Minimum Tubing Length | 15 feet*   |
| Port Connection       | 1/8" I.D. poly tubing  |
| Media Connection      | Clean, dry air, or inert gas. Do not use with oxygen service |

#### WARRANTY

|                  |         |
|------------------|---------|
| Limited Warranty | 5 years |
|------------------|---------|

#### AGENCY APPROVALS



\*For shorter tubing runs use AA45 Pneumatic Capacitor  
EMC Conformance - CE option: Low voltage directive 2014/35/EU; EMC directive 2014/30/EU.  
EMC Special Note: Connect this product to a DC distribution network or an AC/DC power adaptor with proper surge protection (EN 61000-6-1 specification requirements).

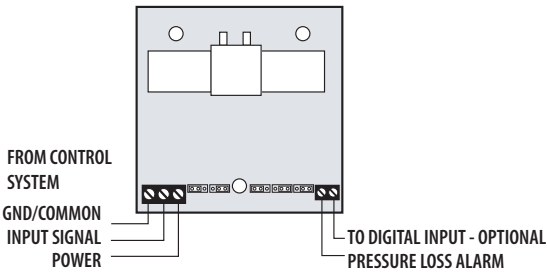
\*\*The CE mark applies to models with cover only.



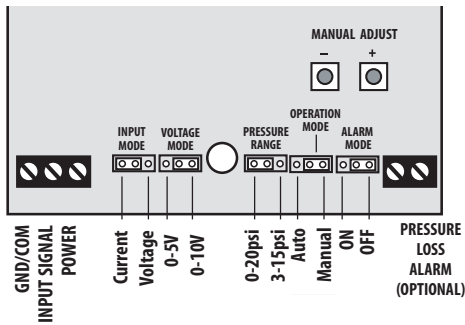
800.354.8556 | +1 503.598.4564 | sales@veris.com | intl@veris.com | veris.com

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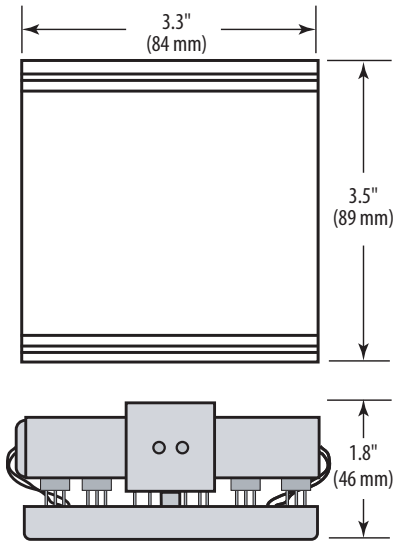
WIRING DIAGRAM



CONFIGURATION

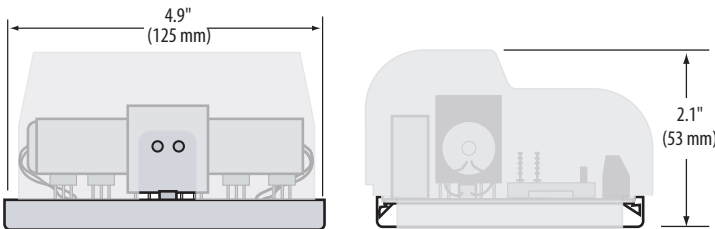


DIMENSIONAL DRAWINGS



DUST COVER

Dimensional Drawings (Front View) Side View



If the dust cover is ordered, the EP2 is mounted to a longer Snaptrack.

ORDERING INFORMATION

| Output  | Feedback  | Failsafe   | Option   |
|---|---|--|--|
| EP2 <input type="checkbox"/> 1<br>= Selectable<br>3-15/0-20 psi | <input type="checkbox"/> 0 = None<br>1 = Pressure Loss Alarm<br>2 = Manual Mode Alarm | <input type="checkbox"/> 0 = None<br>1 = Vent on<br>Power Fail | <input type="checkbox"/> Blank = none<br>2 = EP Cover Plate* |

\*Sold separately as AA43.

Example:

EP2 ☐ 1 ☐ 0 ☐ 0 ☐ S ☐ 2 Option = EP cover plate

ACCESSORIES

Dust Cover (AA43)  
Pneumatic Capacitor(AA45)



AA43



AA45