Tristate Pneumatic Transducer

Model EP-321/325

- **Accepts universal 24VAC/VDC triac or dry contact input**
- **Universal 24VAC/VDC supply voltage**
- **High air flow capacity**
- **Field adjustable pulse width and interval (EP-321)**
- **Silicon piezoresistive pressure sensor (EP-325)**
- **64-bit resolution**
- **Field selectable travel time**
- **Compensates for system volume and leaks**
- **Precision pressue gauge for branch line**

EP-321 accepts a tristate input and provides an output pressure pulse train with a field adjustable pulse width and interval. As a result, any triac or contact closure can be converted into a desired actuator travel. By adjusting the pulse width and interval, the actuator travel time can be field programmed from as low as five seconds to 25 seconds based on system volume. The EP-321 can operate over 0-20 psig pressure range and has negligible input/output differential.

The EP-325 accepts a tristate input and converts the contact closure time into proportional branch line pressure. The unit accumulates the total pulse/contact closure time and incorporates a pressure sensor to maintain the output pressure equal to the accumulated increase or decrease set poiint independent of the system volume or leaks. The EP-325 has a 64-bit pressure resolution and can detect a pulse as small as 0.01 second. The unit does not require a refresh pulse and has a field selectable 0-60 seconds, 0-180 seconds, or 0-360 seconds travel.

Both units have quiet low wattage poppet valves, rugged aluminum manifold, brass barb fittings and a unique steel chassis which substantially reduces the overall size. A precision gauge is provided for the branch line pressure. The above features and a liberal two-year warranty make the EP-321/325 the highest performance and most reliable transducer in the industry.

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