

# ACT-FA-8001

## Fast-Acting Actuator

### Data Sheet



ACT-FA-8001



Venturi Valve with Actuator

A microprocessor-based actuator with conditioned feedback, the Triatek ACT-FA-8001 Actuator operates on a 24 VAC nominal power supply. Designed primarily for fume hood applications, these units deliver a minimum of 50 in. lb. or 5.6 Nm. torque at rated voltage.

The zero and span and auto-stroking features allows for the sequencing of several motors from the same input signal since the actuator field can be limited between 45 and 90 degrees while the input signal can be set to a portion of 2-10 VDC.

Once programmed, the unit's settings are permanently stored in the actuator's non-volatile memory. In the event of an power outage, the unit returns under full torque to its selected fail-safe position.

#### FEATURES INCLUDE

- Zero and span adjustments
- Fast-acting
- Fail open or close configurable
- Reversible rotation
- Auto-stroking field limitations
- Non-volatile memory
- Sequencing of several motors from one input signal

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ACT-FA-8001 Specifications	
<b>Electrical</b>	
Power Supply	22-26 VAC or 28-32 VDC
Maximum Power Consumption	24VA peak 15VA
Wire Size	18 AWG minimum
Electrical Components	One 5/8 in./15.9 mm knock out One 7/8 in./22.2 mm knock out Screw terminals
Feedback Potentiometer	4-20 mA Output 2-10 VDC when externally wired with a 500 ohm resistor (supplied)
Control Signal	2-10 VDC or 4-20 mA Switch-selectable Zero and span adjustable
<b>Mechanical</b>	
Torque	50 in. lb. or 5.6 Nm. at rated voltage
Angle of Rotation	0-90 degrees; mechanically adjustable
Direction of Rotation	Reversible
Stroke Time	44 ms/degree of rotation
Typical Control 10° to 30° Stroke	0.5 - 1.0 seconds
Shipping Weight	Approximately 3 lbs. or 1.4 kilos
Enclosure	
Electronics	UL listed QMFZ2 fire rated 94-0
Gear Train	Die cast zinc with steel base
<b>Environmental</b>	
Ambient Temperature	0° to 140° F or -18° to 60° C
Operating Humidity	5 to 95% Non-condensing

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