A microprocessor-based actuator with conditioned feedback, the Triatek ACT-FA-8002 Actuator operates on a 24 VAC nominal power supply. Designed primarily for fume hood applications, these units deliver a minimum of 70 in. lb. or 8 Nm. torque at rated voltage.

The zero and span and auto-stroking features allow 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 a 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
# ACT-FA-8002 Specifications

## Electrical
- **Power Supply**: 24 VAC ± 10% or 30 VDC ± 10%
- **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

## Mechanical
- **Torque**: 70 in. lb. or 8 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 2.3 lbs. or 1.04 kilos

## Enclosure
- **Electronics and Gear Train**: UL listed QMFZ2 fire rated 94-0
  Die cast zinc with steel base

## Environmental
- **Ambient Temperature**: -0° to 122° F or -18° to 50° C
- **Operating Humidity**: 5 to 95% Non-condensing

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