

Intelligence Made Simple



TEC2 Electric Actuator With Model 500



High Performance Digital Valve Control Made Easy



TEC2 Key Benefits:

- Actuator size expanded range for small valves - new Model 500, smallest, lightest multi-turn actuator frame size
- Advanced configuration, diagnostics and predictive capability through DCMLink software platform with integration path to AMS Device Manager, Delta V, Emerson PlantWeb
- Ease of Use and Service - Multiple languages, improved graphical display, patented remote module
- Non-Intrusive design & rugged ductile iron gear housing is shock and vibration-resistant
- Non-penetrating, vibration-resistant hall effect switches enable setup without opening control compartments
- Discrete, analog and digital controls availability
- Open network control for a wide range of topologies and protocols, including Modbus RTU, Profibus, FOUNDATION™ Fieldbus, DeviceNet™, Ethernet, HART™ and Wireless HART™

Model 500

In addition to an innovative control platform, TEC2 extends the proven and reliable mechanical frame family to include Model 500, the latest smaller and lightweight multi-turn actuator frame size designed to meet application needs requiring lower torque ranges. Model 500 offers full functionality, including increased stem acceptance of existing TEC actuators with a compact design and enhanced electronic features. It also comes with multiple display language options, data logging, Bluetooth™ and full network protocol support.

TEC2

Proven Bettis technology in electric actuation coupled with simplified digital controls, TEC2 is the next step in reliable high-performance digital valve control to make your work easier and safer.

Enhanced data-logging feature with time and date stamp features provide you with information to make effective and timely preventive maintenance decisions.

TEC2* Certifications:

- F.M., C.S.A., CE, IECEx, GOST, InMetro, CEPEL, AWWA C542, ATEX
- Shock & Vibration (MIL-STD-167-1, MIL-STD-901D)
- IP68 certified for submersible applications (50 ft, 7 days)
- SIL

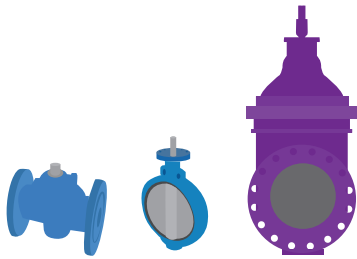
CE IP68

**Model 500 enclosure certification pending agency approval*

**SIL approval pending*

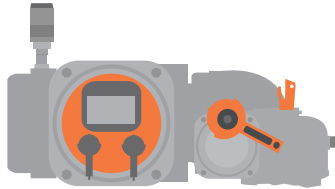


More Flexibility And Reliability Through Innovative Product Design



New Model 500. More compact, lighter weight model with larger stem acceptance is ideal for smaller valves

Hall-Effect Torque Sensing Technology

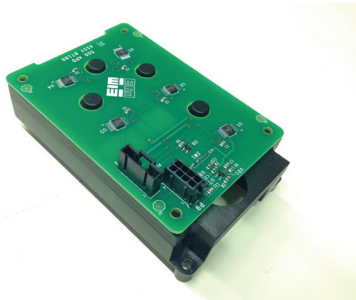


Accurate torque sensing using rotary Hall-Effect encoder directly connected to torque pinion is active in both motor and manual operation

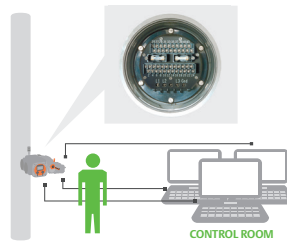


Compact profile Patented Remote Display Module puts local controls within easy access. Safely operate, configure or access diagnostics when actuator is hard or impossible to access

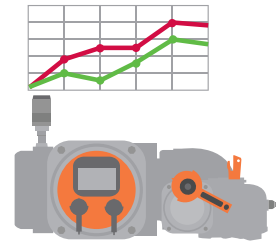
Simplified Intelligence, When You Need It, Where You Need It



Absolute Position Detector provides precise valve position under all conditions including loss of power, no battery backup required

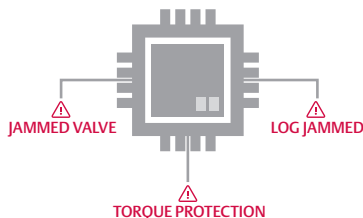


Separate Terminal Chamber. Dual sealed separate terminal chamber with highly legible terminal markings and pre-installed screws eases field wiring. Primary fuses accessible without opening controls compartments

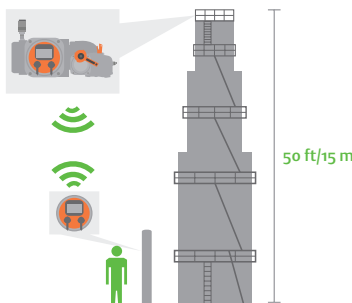


Process trends measured and recorded. Historical logs can reveal process trends to help with maintenance intervals and improve the timeliness of predictive maintenance enhanced with the use of DCMLink™ software

Maximize Plant Efficiency And Worker Safety Every Time



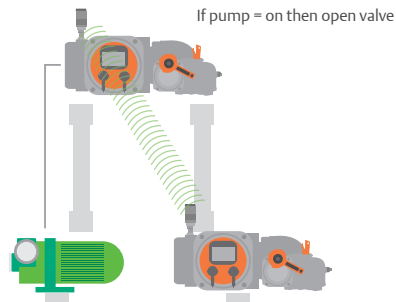
Programmable monitoring. Performance data can be monitored to fix current problems and recorded to analyze future issues



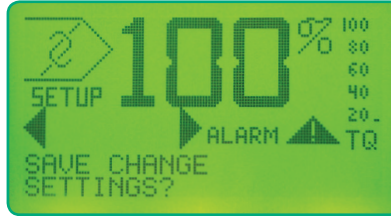
Calibration and operation from a safe and convenient location. Patented Remote Display Module (RDM) allows you to control and monitor the actuator up to 4000 ft (1.2 km) away. Ideal for hazardous environment



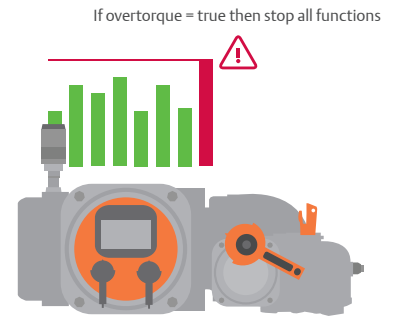
Reliable Process Insight For Every Application



Prevent untimely operation with a built-in inhibitor interlock system that prevents operation with other devices until external contact has been made. Your systems can now coordinate with each other



Your displays need to show the right information without being too simple or complex. Easy to read IconoText displays and icons allow for an easy and intuitive setup



Configurable process alarms are standard; TEC2 will alert you of any issues in your process and alarms can also be set to trigger open or close functions

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