

# Valve Automation Technology When and Where You Need It



## TEC2 Electric Actuator With Model 500

Intelligent Electric Valve Actuation Made Simple (Model 500 Discontinued)



# High Performance Digital Valve Control Made Easy



## TEC2

Proven 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 Key Benefits:

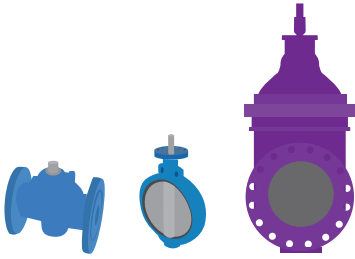
- Advanced configuration, diagnostics and predictive capability through DCMLink™ remote diagnostic, configuring and monitoring software with integration path to AMS Device Manager, Delta V, Emerson PlantWeb
- Ease of Use and Service - Multiple languages, improved graphical display, patented remote module
- 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™

### 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

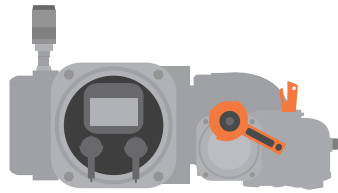
**CE** **IP68**

## More Flexibility and Reliability Through Innovative Product Design



**Robust and compact design** that are widely used on valves for marine, oil and gas, chemical, power, and water and wastewater applications.

Hall-Effect Torque Sensing Technology

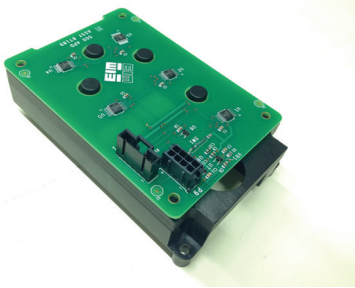


**Accurate torque sensing** using rotary Hall-Effect encoder directly connected to torque pinion is active in both motor and manual operation.

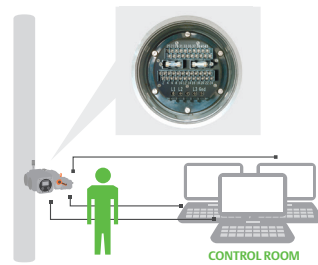


**Compact profile** patented Remote Display Module puts local controls within easy access for safe operation, diagnostics, configuration or monitoring for hard to reach locations or limited access areas.

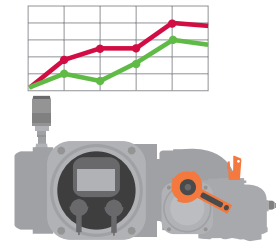
## Simplified Intelligence, When You Need It, Where You Need It



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

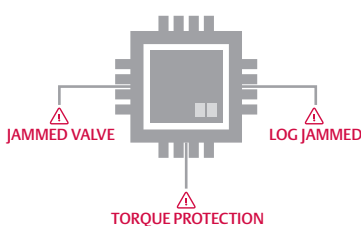


**Separate Terminal Chamber** dual sealed separate terminal chamber with highly legible terminal markings and pre-installed screws eases field wiring. Primary fuses accessible without opening controls compartments.

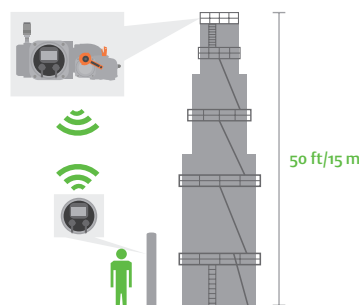


**Process Trends Measured & Recorded** historical logs can reveal process trends to help with maintenance intervals and improve the timeliness of predictive maintenance enhanced with the use of DCmlink™ remote diagnostics, configuring, and monitoring software.

## Maximize Plant Efficiency and Safety Every Time



**Programmable Monitoring** performance data can be monitored to fix current problems and recorded to analyze future issues.

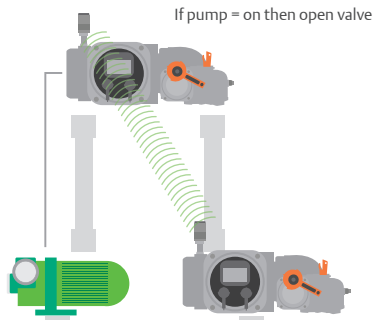


**Safe, Convenient Calibration & Operation** patented Remote Display Module (RDM) allows control and monitoring up to 4,000 ft (1.2 km) away which is ideal for hazardous environments.

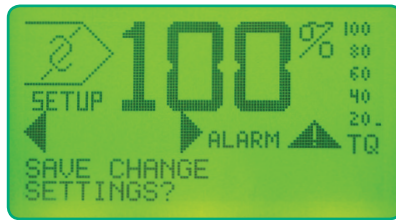




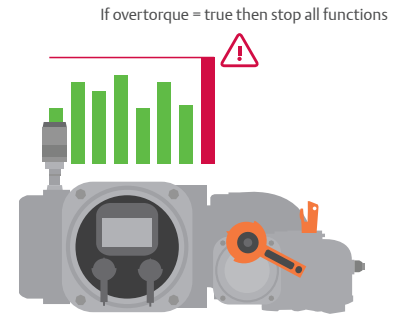
# Reliable Process Insight For Every Application



**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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# TEC2 Trade Up Program



## Get Your TEC2 Upgrade Kit Today!

### New Technology for Better Results

Newer technology, higher availability and superior performance provides more insight and capabilities that you need. Trade up to newer technology and superior performance with a TEC2 Upgrade kit at a Special Price.

### Get Better Results for Less

#### Benefits

- Enhanced user interface
- Enhanced reliability with fewer components
- Improved position encoder
- Supports Networking Functionality
- DCMLink Software compatible
- Unique wire harnesses (no ribbon cables)
- Higher level of torque accuracy
- Low power mode

### Upgrades Kits Available

- VA87293-9** TEC2 Conversion Kit, EIM, ATEX, 4:1 APD, Bluetooth
- VA87293-10** TEC2 Conversion Kit, EIM, ATEX, 1:1 APD, Bluetooth
- VA87293-11** TEC2 Conversion Kit, Bettis, ATEX, 4:1 APD, Bluetooth
- VA87293-12** TEC2 Conversion Kit, Bettis, ATEX, 1:1 APD, Bluetooth

Bluetooth License available for following countries: Brazil, Canada, China, EU, Iraq, Mexico, Saudi Arabia, Singapore, Thailand, United States, UAE. All Other Countries, please Consult Factory.

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