

WE ARE SOLUTIONS



AS.iSmart24 Valve Control



W&O AUTOMATION

W&O offers a full range of services and automated products for the marine industry.

- **VALVE ACTUATION**

ELECTRIC

TRIAC

EIM

BERNARD

HYDRAULIC

ROTORK

SCANA SKAPENORD

PNEUMATIC

TRIAC

ROTORK

- **APPLICATION, DESIGN AND ASSEMBLY**

- **CONTROLS AND INTEGRATION**

- **COMMISSIONING AND SERVICE**



INTEGRATED SOLUTIONS MARINE APPLICATIONS



AS.iSmart24

ELECTRIC VALVE CONTROL WITH EMERGENCY POSITION COMMAND

The Challenge

Deliver cost effective valve automation solutions which address the space and weight constraints of the marine industry, provide safe and reliable operation and meet USCG and class society requirements for Category P shutoff valves and other critical applications.

The Solution

W&O AS.iSmart24 electric valve actuator with Emergency Position Command and Signal Sentinel

AS-i

Actuator Sensor Interface (AS-i) field bus network protocol offers many benefits including simplicity, reduced installation cost, ease of connection and straightforward operation.



TRIAC

Triac actuators from A-T Controls offer high quality and high value in a compact package.



W&O, in addressing the needs of the marine industry, has developed an entirely new product which leverages the benefits of AS-i network protocols. AS.iSmart24 Electric Valve Control Solution with Emergency Position Command incorporating Signal Sentinel.

- Complies with 46CFR56.50-60.d.ii.3.
- By incorporating the actuator, declutchable manual gear-box and switch control device into a single compact unit, overall size and weight has been reduced.
- With the integral declutching hand wheel override, there is no longer a need for a block and bleed air supply valve nor any requirement to insure that the gear is disengaged before operating the unit normally.
- Using the ship's 24vDC power there is no need to run air supply lines, install a separate air storage system, install and maintain an after cooler or local air line filters.
- Built in Emergency Position Command (EPC) overrides normal operation and automatically operates the valve into either the open or closed position (normally this is the closed position) as defined in the user specifications.
- Signal Sentinel continuously monitors the EPC system offering additional failsafe backup in the event of an un-accepted local event.

Integrated Solutions. Automation. Engineered Products. Services.

W&O Integrated Solutions group delivers integrated systems and services to meet the most demanding requirements in the marine industry.

Integrated Solutions: W&O is at the forefront of the challenges facing the marine industry. From integrated network solutions to real-time data management and fuel and emissions management solutions, W&O is a leading innovator in the marine industry.

Automation: W&O Automation provides valve automation and control packages focused exclusively on marine applications. W&O combines marine approved products, design and assembly to meet and exceed the demands of the marine environment and regulatory standards.

Engineered Products: W&O Engineered Products offer innovative solutions in mechanical piping systems, bulkhead penetration and fire protection and specialty valves. Engineered Products focus on benefits to the owners, operators and shipyards in total life cycle costs space and weight savings, safety, and improved operational efficiency.

Services: W&O is committed to providing quality service and support to the marine industry. From CAD libraries and estimating support to project management to commissioning and repair services, W&O provides dedicated technical and field service support.

W&O is dedicated to meeting the unique demands of the marine industry. The products, systems and services that we supply comply with class society, USCG, and Mil-Spec requirements as required by the application.



www.wosupply.com | 800.962.9696

● pen.com