

EXPERTISE BEYOND CONTROLS

SERIES 3++

Controllers



Series 3++ controllers are the perfect choice for updating previous systems. The Series 3++ combines the proven control features of the Series 3+ with the advantages of state-of-the-art electronics and an updated operator interface.



Seamless implementation and upgrade

Plug-and-play hardware

- ▶ Upgrades require no re-engineering, panel modifications or wiring changes — true drop-in replacement!
- ▶ New technology, industrial-grade digital hardware
- ▶ Integrated CPU I/O board and on-board monitoring of power supply voltages, internal temperatures and analog outputs
- ▶ Updated front-panel assembly
- ▶ Analog input channel-to-channel isolation up to 500 volts, static protection to 4,000 volts

Designed for reliability

Built to exceed the impressive reliability of its predecessors

In addition to employing updated components; state-of-the-art manufacturing; and reliable, off-the-shelf power supplies, the following on-board diagnostics have been added:

- ▶ Analog outputs have integral read-back loops to identify hardware or field wiring problems
- ▶ Built-in temperature alert sensors
- ▶ Internally monitored power supplies and DC voltage converters

Faster, with greater flexibility

Simplify the setup and commissioning of new systems

- ▶ Each analog input and output can be independently switch-selected for easy customization
- ▶ Precision circuitry means no field calibration of analog I/O circuits, saving time on loop checkout

Available configurations

Accommodates any type of installation

- ▶ Sleeve-mount Controllers
- ▶ Plate-mount Controller
- ▶ Series 3 Plus Upgrade
- ▶ Ethernet Option



Innovative products

Series 3++ has solutions for every application.

▶ Antisurge controllers

- Pioneering surge protection
- Fast, dedicated hardware
- Integrated loop decoupling

▶ Performance controllers

- Integrated performance and antisurge control
- Optimal load distribution

▶ Dual-loop A/P controllers

- Pioneering surge protection
- Optimal performance control
- Integrated loop decoupling

▶ Speed controllers for steam turbines

- Speed and load control
- Critical and overspeed protection

- Start-up sequencing

- Control valve flexibility

▶ Extraction controllers for steam turbines

- Extraction load-sharing
- Manual control
- Control valve flexibility

Global experience. Global support.



Australia / Brazil / China / India / Italy / Netherlands / Russia
Saudi Arabia / Singapore / U.A.E. / United Kingdom / United States

Contact your local sales representative. Please visit our website:

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