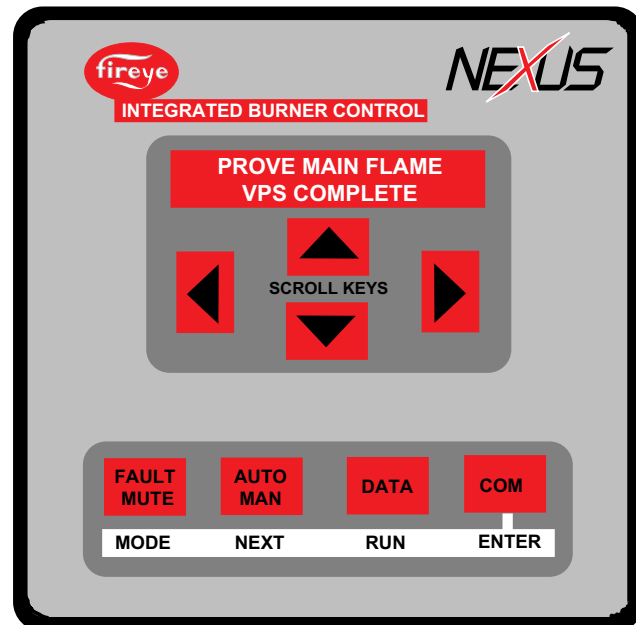


NEXUS

COMPACT CONFIGURABLE COMBUSTION CONTROL

THE FIREYE® NEXUS™ INTEGRATED BURNER CONTROL SYSTEM is a microprocessor based Flame Safeguard and a parallel positioning combustion controller built into one compact, user configurable package.



STANDARD FEATURES INCLUDE:

- User Friendly Keyboard with two line, 20 character, vacuum fluorescent display. Full English text messages for current and stored information.
- Dual function keys with multi level passcode protection allows access to status, commissioning and historical data.
- Two independent PID firing rate controls night setback, switched setpoint function.
- Controls up to five positioning servo motor outputs and one variable speed drive output. Positioning accuracy 0.1 angular degrees, 24 ratio positions per profile. Four profiles (two per each fuel).
- ComFire Software provides multiple boiler supervisory control and data acquisition functions.
- Lead/Lag and Standby Boiler Sequencing.
- Measures and displays boiler steam or temperature via self-checking sensors. Full PID firing rate control.
- Uses proven Fireeye UV or IR flame scanners.
- Zirconium Oxide "In-Situ" based O₂ Trim system provides O₂%, CO₂, inlet/ exhaust temperature, display and efficiency measurement. Selectable fuel or air trim as standard.

SPECIFICATIONS

- Supply Voltage: 110/230 VAC 50/60 Hz
- Power Consumption: 20VA
- Temperature Limits: 32°-140°F (0-60°C)
- Max. Connected Load: 2000VA
- Shipping Weight: 7 lbs. Controller/Wiring Base
- Load Ratings: 2.0A Pilot Duty/4A (Power Factor > 0.6) for Main Valve 1 & 2, Burner Motor, Pilot and Vent Valves



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Thinking Beyond the Traditional...