

NEXUS

BURNER CONTROL SYSTEM
An electronic parallel positioning and O2 trim combustion control system built into a compact, flexible, user configurable package.

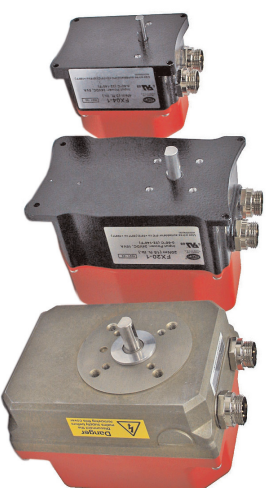
NEXUS CONTROLLER - PPC4000

Precise control of burner air/fuel ratio via independent motors (Parallel Positioning).
Up to 4 servo channels for positioning motors directly powered from the controller. (10 servo motors using external power supply).
Temperature or pressure control optimized burner firing rate control via PID control loop. Sequencing/lead lag control available.
Simplified wiring via removable plug connectors.
Operating & logged data stored on SD card. User programmable digital inputs.



SERVO MOTORS

Up to ten servo motors may be controlled by the system. Three servo motor sizes are available.
FX04-1 3ftlb, 4Nm, FX20-1 15ftlb, 20Nm, FX50-1 37ftlb, 50Nm, 24VDC +/- 10%.
Power consumption 5, 15, 50 VA.
Protection category NEMA 4 IP65.
High accuracy 0.1 degree over 90 degrees resolution.
Positioning and feedback through secure high speed communications.
Programmable speed settings.



KEYPAD DISPLAY - NXD410

Full text based informational display.
Intuitive menu system.
4 x 20 backlit LCD provides information at a glance.
RS-422 communications.
15 keys including fast access one push keys.
Panel mount NEMA 4 (when mounted).



NXD410

O2 PROBE

Stack temperature & Oxygen measurement.
Simple calibration.
3 lengths - 8", 16", 30".
Modbus communications to CES control.
Low cost replaceable sensor.
Fast response In-situ probe uses zirconia based sensing device.
All stainless steel construction.
Mounting flange available.



BURNERLOGIX Y

Directly compatible with PPC4000. Designed to provide the proper burner sequencing, ignition and flame monitoring protection on automatically ignited oil, gas and combination fuel burners.



SCANNERS

Self-check and non-self check versions. UV and IR models. Available in NEMA and Class I Div 2, Group C & D and ATEX approved explosion proof housing (Ex d IIC T6).



The Combustion Control Specialists

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United Technologies

**Optimized Burner
Efficiency at
Your Fingertips**



PPC-PF
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