

TrimPAK

Pressure Control with Oxygen Trim

For Jackshaft Boilers

Get the benefits of linkageless control with **lower cost** and **faster payback**

Improved efficiency

Increased safety

Reduced emissions

- Adds O2 Trim to jackshaft boilers
- Field-flexible options: no additional hardware to buy
- Uses existing linkages while compensating for heat value, temperature and seasonal changes
- Safety First: built-in safeguards to protect plant and personnel
- Preconfigured: no programming to learn
- Easy interface to any BMS or Building Automation System
- **2-year warranty**



Thinking of going linkageless to improve efficiency? Think again.

Introducing TrimPAK: the only pressure controller to provide the option to add O2 Trim to your jackshaft boiler, without dismantling the linkages or installing independent fuel valves and air actuators.

MicroMod understands the need for flexibility in the field to specify control strategies and choose options to fit available field instrumentation and individual installations. TrimPAK gives you that flexibility - more than any other controller in its class.

TrimPAK's unique configuration allows you go from basic pressure control to full O2 trim with output to a VFD without installing any I/O or changing the controller programming.

TrimPAK is pre-programmed: all you need to do is enter the boiler-specific parameters from the faceplate or the free TunePAK software. TrimPAK accommodates oil or natural gas and provides independent curves and adjustments for each fuel.

We've distilled years of experience in boiler controls into a compact package designed with operators and safety in mind. TrimPAK is field-proven, demonstrating significant efficiency gains and dramatically improving stack emissions.

Minimize Your Time & Expense

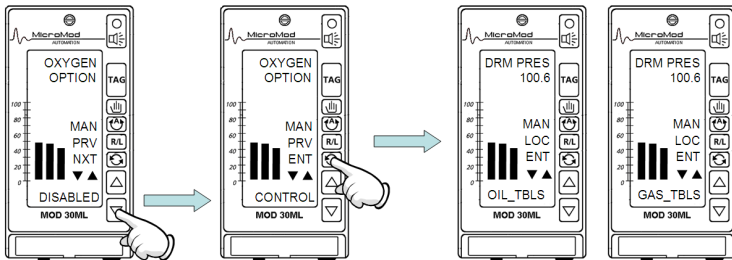
Low installation cost - Start with the field equipment you have, and add capability as your budget permits. The integral display, compact packaging and built-in options make TrimPAK the most economic way to improve your jackshaft boiler's efficiency.

Easy to specify & order - a single model number gets you everything you need for pressure control, O2 trim and all the options. Just add field signals!

Quick delivery - fully programmed controllers ship in 2 weeks or less

Easy installation - Our application-specific instruction manuals show just what you need to know for quick installation.

Easy & intuitive setup - context sensitive menus only appear when their respective options are enabled, simplifying commissioning & startup.



Safety First

From basic pressure control to full O2 trim, TrimPAK provides a level of safety equal to or better than the average linkageless control system:

- Jackshaft position feedback with deviation alarm and trip
- Minimum and maximum O2 trim limits
- Boiler trip on low O2
- High stack temperature trip
- Air feedback deviation alarm and trip
- Data quality checks and alarms on all inputs
- Automatic switch to Manual mode on loss of signal or out-of-range signal
- Mode interlocks to prevent unsafe operation
- Hardwired interface to BMS for low-fire, purge, release-to-auto and trip

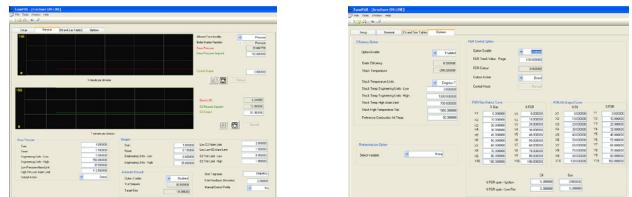
Field-Flexible

TrimPAK is pre-programmed to allow you to take advantage of its features without adding I/O or changing the control program, including:

- O2 indication
- O2 trim control with VFD output
- Local Drum Pressure or remote Plant Master demand input
- Automatic boiler recycle
- Stack temperature indication
- Bias Ramp option
- Online, instantaneous efficiency calculation and indication
- Standard Modbus RS-485 serial network for communication to HMI, SCADA and building automation systems

Additional Options

- FGR Control
- User-selectable output for retransmission
- Portable memory module to back up configuration, setup parameters and tuning values
- Free, downloadable TunePAK setup software for even easier commissioning and tuning - with optional off-site configuration storage and retrieval



The Right Fit for Retrofit.

TrimPAK is the ideal replacement for aging Bailey, Foxboro, ABB Kent-Taylor, Honeywell and Yokogawa controllers as well as OEM-supplied on/off or modulating pressure controllers. Contact MicroMod today to see just how easy your upgrade can be!