



MAXIMIZE BURNER PERFORMANCE
ACCU-TRIM
STAND ALONE O2 TRIM

O2 Boiler & Combustion Control

The C-B Stand Alone O2 Trim System is a PLC based control system designed to maintain the proper fuel-to-air ratio of a boiler/burner. This is achieved by automatically compensating for minor changes and conditions such as temperature, barometric pressure, fuel characteristics and normal hystereses. The system is intended for use on a Cleaver-Brooks boiler or burner with single point positioning, or jackshaft-type combustion controls; however, it may be customized for special applications such as parallel positioning, metering, or alternate fuel firing. The complete system is comprised of oxygen and firing rate sensors, a control panel which houses the PLC, and an actuator or VSD system which trims either the fuel or air flow.

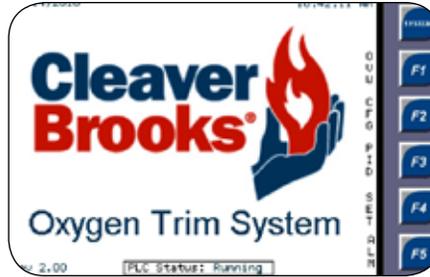
Features:

- PLC based control
- HMI touchscreen interface
- Adjustable set point and alarm limits
- Auto and manual modes
- Input and output monitoring
- Access to gain and reset timing parameters
- Password Security



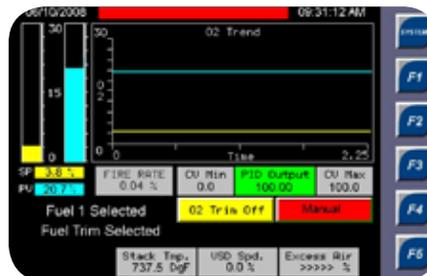
The 6" HMI provides the Operator access to the Control screen, alarm history screen, and monitor I/O screen. Secured screens are provided for loop tuning and for initial system setup.

Home Screen



- Single unit PLC and 6" Standard color HMI touchscreen
- I/O is a DIN rail mounted, modular configuration. 8 Analog inputs, 8 Analog outputs, 4 Digital inputs, 4 Relay outputs
- Analog signals are 0-10 VDC, Digital inputs are 24 VDC
- PLC supports Modbus RTU Comms

Overview Screen



- Bar graph and "moving pen" data value indicator
- Quick overview of O2 setpoint and process value
- Displays stack temperature, variable speed drive output, excess air and fuel selection.

Configuration Screen



- Electric fuel trim actuators only
- Pneumatic fuel trim actuators only
- Combined Electric and Pneumatic fuel trim actuators
- VSD air trim

