



Optitune™



P (07) 574 6223
F (07) 574 6228
E sales@automationelec.com
W www.automationelec.com
Free fax (sales and technical enquiries) 0800 55 2345

Optitune™

The Optitune system has been designed to provide a user-friendly process for optimised combustion of wood waste fired boilers. The system provides a solution that is designed to control the fuel / air ratio to maximise the optimum combustion in the furnace at all times. An oxygen sensing transmitter relays the residual oxygen content of the flue gases back to a PLC

Once the PLC receives the oxygen data it compares it to the oxygen setpoint provided by the operator and calculates the solution required to provide the fuel feed and force draft air flow fed into the furnace, reducing black smoke emissions and increasing furnace efficiency.



Specifications

Oxygen Transmitter	Oxymitter™ 4000
Controls	
PLC system	Allen B Processor with serial communications
Scada	iFix32 or Ifix on Microsoft operating system
PanelView	Optional PV300 for remote display of operating parameters
Remote access	Via dial up modem for Scada system
Trending	Plant variables via Scada system
Electrical	
Power supply	240Vac
Power conditioning	Optional Uninterruptible Power Supply
Fuel System	Primarily suited to dry wood waste rather than coal or wet wood waste
Boiler Systems	HP Hot water and Steam

Features

- Operator adjustable tuning via graphic screens
- Can be fitted to most wood waste Boilers (some mechanical modifications may be necessary)
- Control of firing rate when combustion chamber approaches maximum temperature to maintain continuous firing
- Improved Boiler efficiency
- Reduction of black smoky emissions
- Environmentally friendlier than standard Boiler systems
- Better fuel optimisation
- Compliments the Boiler-View system

Support

The Sawview system can be accessed remotely via dial up modem for offsite fault diagnosis and monitoring. Technician support is available by contacting the Automation & Electronics office



P (07) 574 6223
 F (07) 574 6228
 E sales@automationelec.com
 W www.automationelec.com
 Free fax (sales and technical enquiries) 0800 55 2345