

PLC

PROGRAMMABLE LOGIC CONTROLLER

CLAYTON COMPUSTEAM PLC

Clayton Industries' PLC-based steam systems incorporate the latest technology in boiler controls and provide instant touch access to operating control and information.



- **INCREASED MACHINE RELIABILITY:** Solid state technology eliminate the need for mechanical relays and timers.
- **DIRECT COMMUNICATION:** Enables boiler room and plant control system linking.
- **MULTI-UNIT CONTROLS:** Allows for control sequencing in a multi-unit installation.
- **MODBUS, ETHERNET/IP, AND BACNET PROTOCOL COMPATIBILITY**
- **10 inch touchscreen upgrade option available for most machines**

SPECIFICATIONS

COMPUSTEAM PLC – I, II, and III

Clayton Compusteam PLC Control Systems, which are standard on all modulating models, are available in three basic levels, I, II, & III, with a variety of options for expanding the capabilities beyond the basic systems. When operating, the PLC systems provide increased reliability. Operating parameters are readily available, on the Operator Interface Unit (OIU) displays and for remote data acquisition and control purposes. PLC interface capability also lends itself to improved communications between the Steam Generator controls and total plant monitoring systems. PLC based controls also provide enhanced control for multiple unit installations.

LEVEL I FUNCTIONS:

Firing Rate, Steam Pressure, Pressure Set Points, Run Hours, Coil Tube Temperature

LEVEL II FUNCTIONS:

All Level I functions plus: Exhaust Gas Temperature, Feedwater Supply Pressure and Temperature

LEVEL III FUNCTIONS:

All Level II functions plus: Steam and Gas Flow Metering

OPTIONAL FEATURES:

- Remote Start/Stop
- Remote Pressure Set Point
- Ethernet Communications
- MODBUS/BACnet
- Automatic Start/Stop Sequencing of Multi-unit Installations

Operator Interface Unit (OIU)
(7 in. screen shown, 10 in. upgrade option available for most units.)



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