

DIRECTOR® SCS-AB

SUPERVISORY CONTROL SYSTEM

This state of the art system with its Color Touch Screen Display gives you complete control and supervision of your burner and boiler operations, along with historical views to optimize the total system performance. The Director SCS-AB is powered by the Allen-Bradley PLC control system which offers far superior combustion control and improves total system efficiency. The large 15 inch color screen displays all essential boiler and burner information at a glance.

With configurable safety and programmable logic in a single platform, Director SCS-AB is easily customized for virtually any application in a wide range of industries, taking less time, and with far less complexity.

GRAPHIC DISPLAY FOR:

- ✓ Boiler input and output
- ✓ Set point and operating pressures
- ✓ Operating valve status
- ✓ Control and monitoring of water level
- ✓ Optional lead-lag control

THE DIRECTOR SCS-AB

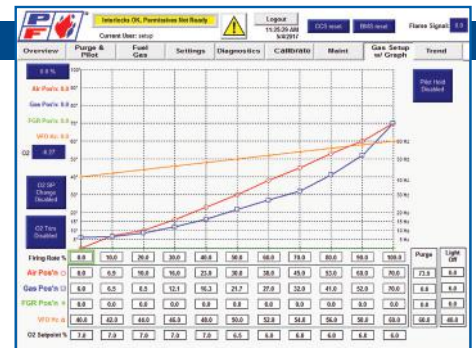


FEATURES

- Programmable controller with integral burner management controls and replaceable components
- 15 inch color touch screen display control
- Tamper resistance with password protection
- Monitor the boiler operating pressures and make adjustments with touch screen feature.
- Manual/automatic firing rate control
- Current and past trending information available including:
- Full burner control of pre-purge, pilot flame establishing, main flame establishing period, running period and post purge
- Flame proving and lockout
- Thermal shock protection based on water temperature and setpoint

To further increase your operational efficiencies and monitoring capabilities these optional features are offered:

- O₂ Trim system
- Draft Control
- Feed water control and alarm, on screen adjustment and monitoring
- Variable Frequency Drive (VFD)
- Multi boiler Lead Lag system
- Flue gas re-circulation drive motor and monitoring
- Ease of integration in Allen Bradley networks
- Optional modules to communicate with various protocols
- Additional customization available



ID	Component Name	Status	Message
101	CCS Heartbeat	ON	Normal Input over min
102	Local E-Stop PB	OFF	Control Set Set
103	CCS E-Stop PB	ON	Gas Fuel Set Set
104	RRS Working OK	ON	Oil Fuel Set Set
105	Master Fuel Relay	ON	Hi Limit
106	Ign Tether OK	ON	Low Water
107	Plant Valve OK	ON	Aux Low Water
108	Blow Valve OK	ON	High Gas Press
109	Aux Gas Valve OK	ON	Low Gas Press
110	Vent Valve (NO) OK	OFF	Flame Detect
111	CCS Start	ON	No Flame Detect
112	Steam Vent Open	OFF	Comb Air Set
113	Steam Vent Closed	ON	VFD Running
114	Low Fire Hold	ON	Low Fire Proven
115	Auto Damper Open	ON	Purge Pos'n Proven
116	Auto Damper Closed	ON	Blow Post Vlv FDC

Servo Name	Module	Command	Actual	Error	Speed	Actuator Error
Air Damper Servo	1 MODBUS Node	1037 Command To Servo	1037 Commanded Pos'n	0.0 Actual Pos'n	30 Commanded Speed	0 Actuator Error Code
FGR Damper Servo	2 MODBUS Node	110 Command To Servo	110 Commanded Pos'n	0.0 Actual Pos'n	30 Commanded Speed	0 Actuator Error Code
Gas Fuel Vlv Servo	3 MODBUS Node	71 Command To Servo	71 Commanded Pos'n	0.0 Actual Pos'n	30 Commanded Speed	0 Actuator Error Code

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