



atmosphere

AC20

The AC20 controller is designed to control atmosphere in endothermic generators, batch, and continuous furnaces.

Single-Loop Atmosphere Controller

The controller has a three line display that incorporates the process setpoint, process variable and a selection of additional performance criteria. A bargraph comparing the setpoint to process variable also permits the instant recognition of the controlled variable within limits.



The AC20 Controls:

- % Carbon
- Dew Point (Degrees Fahrenheit or Celsius)
- % Oxygen
- Millivolts

The AC20 Displays:

- Process variables (% C, DP, % O₂, mV)
- Probe resistance
- Probe temperature
- COF
- H₂F
- Probe Recovery

- RS485 - Modbus RS485 Communications
- Analog or keypad entry of COF (% Carbon) and H2F (dew point) value
- Three internal programmable timers for probe burn-out (door limit switch input)
- Events - 8 in / 10 out air & gas relay outputs, two 4-20mA control outputs
- Remote 4-20mA setpoint input

1/4 DIN Temperature Controllers

- 20 PQ - Programmable (31090)
- 20Q - Non-Programmable (31091)

1/8 DIN Temperature Controllers

- 7EK - Current/Relay (31081)
- 7EK - Slidewire (31082)

1/16 DIN Hi-Limit Controller

- 7SL - One alarm with RS485 (31042)

Companion Temperature Controllers & Hi Limit

- Universal inputs
- IP65 and NEMA4 rating
- SMART auto tuning
- Pass code security
- T/C break detection
- Up to 4 independent set points



INNOVATIVE SOLUTIONS WORLDWIDE



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Model 500



- Reference Air & Burnoff Air System
- Two Flow Meters
- Two Pumps
- Burnoff Initiated by Digital Input (AC20) or Manual Push Button
- Burnoff Air "ON" Indicator
- Combustion "Air" System Available

Model 1500



- Atmosphere control featuring SSi's AC20
- Reference Air & Burnoff Air System
- Terminal Blocks mounted on the sub-panel
- Controls: % Carbon, Dew Point, Millivolts, or % Oxygen
- Burnoff Air Indication

Model 2500



- Atmosphere and temperature control
- Featuring SSi's AC20, 7EK Temp. & 7 SL Hi-Limit Controllers
- Reference Air & Burnoff Air System
- Controls: %Carbon, Dew Point, or millivolts
- Ring-back Alarm System
- Burnoff Air Indicator



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