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Find the *Chromalox 2030-22810-0001* at our website: *Click HERE*

2030

1/4 DIN Environmental Test Chamber Controller

- **Dual Process Inputs, 4 Control Outputs**
- **Heat/Cool and Humidify/ De-Humidify**
- **16 Field Configured Ramp/Soak Programs**
- **8 Intervals per Program, Total 128 Intervals**
- **8 Solid State Event or Alarm Outputs**
- **Optional Digital Communications Port Compatible with ChromaSoft™ SpecView®**
- **Features Enhance Environmental Chamber, Oven and Furnace Performance**



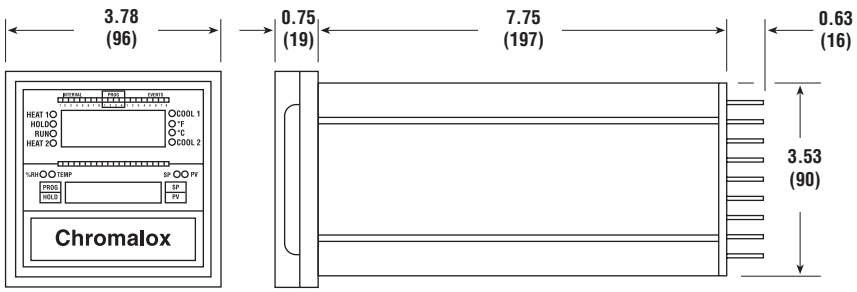
Description

The 2030 Dual Channel Environmental Test Chamber Controller offers sophisticated program "profiles" at a low cost per program. Along with its expansive memory and flexible programming capabilities, the 2030 has the added plus of two sensor inputs and four control outputs. The two control channels may both function as temperature control, or Channel #1 as temperature and Channel #2 as humidity, making the 2030 the perfect choice for Environmental Chamber, Oven and Furnace applications requiring highly sophisticated control at a reasonable cost.

Features

- Humidity control algorithm accommodates both transmitter and wet bulb temperature inputs.
- 16 Ramp/Soak Programs, each having a separate Standby setpoint and 8 individually timed Intervals for a total of 128 Intervals. Any Interval or sequence of Intervals can be looped up to 255 times, and any of the 16 Programs can be linked to another Program.
- 8 possible Event Outputs per Interval to turn on conveyors, valves, fans, annunciators or other remote devices.
- Guaranteed Soak, Automatic Hold and separate PID control parameters for all 4 control outputs.
- Remote Operation of Ramp/Soak Programs:
  - START/CONT
  - HOLD
  - STOP/RESET
- Optional 4-20mA analog output that can be assigned to represent any one of the four control outputs, or the process variables or setpoints.
- 6 Coded Levels of Security.
- Optional RS-232 and RS-422 Digital Communications.
- Separate Program Status Pushbuttons for:
  - HOLD
  - START
  - RESET
- Separate Indicators for:
  - INTERVAL
  - PROGRAM
  - EVENT STATUS
  - RUN
  - HOLD

Dimensions



Front View

Side View

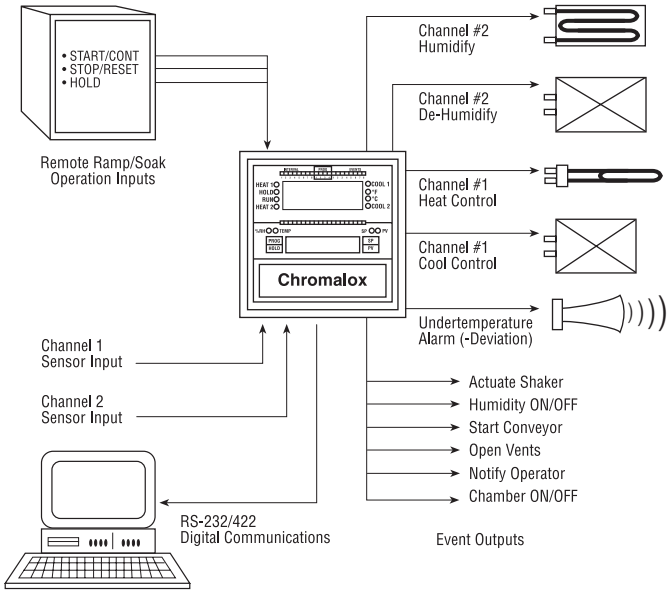
All Dimensions in Inches (mm)

2030

Environmental Test Chamber Controller *(cont'd.)*

Application

Typical Environmental Test Chamber



Ordering Information

Complete the Model Number using the Matrix provided.

In Stock:

Model	PCN
2030-22044	318203
2030-22544	318220
2030-22810	318190
2030-22843	318342
2030-22844	318238

Model	Microprocessor-Based Environmental Test Chamber Controller
2030	Ramp/Soak Controller with 16 Programs, 8 Intervals per Program, 4 Event/Alarm Outputs; Dual LED Display, Alphanumeric Cues, Analog Bar Graph LED; 2 Output Channels, Each Channel with Dual Output (Total 4 outputs), PID or ON/OFF Control, Direct or Reverse Acting Control Output.

Code	Channel #1 Outputs (Heat/Cool)
2	Dual Solid State Relay (SSR) Outputs, 120 Vac

Code	Channel #2 Outputs (Humidify/De-Humidify)
2	Dual Solid State Relay (SSR) Outputs, 120 Vac

Code	Auxiliary Analog and Digital Inputs/Outputs and Digital Communications Options
0	None
2	4-20mA Process or Ramp Profile Analog Output, or 4-20mA Control Output
5	4 Additional Event/Alarm Outputs (for total 8), 3 Remote Ramp/Soak Operations, Digital Communications
8	All of the above (Codes 2 + 5)

Code	Sensor Input (Plug-In Modules)
0	None
1	Type T TC, -150 to +500 ˚F, -101 to +260˚C
3	4-20mA Current or 1-5Vdc Voltage, 0 to 100%
4	RTD, 100 Ohm Pt., -200 to +1000˚F, -129 to +538˚C

Code	Sensor Input (Plug-In Modules)
0	None
1	Type T TC, -150 to +500 ˚F, -101 to +260˚C
3	4-20mA Current or 1-5Vdc Voltage, 0 to 100%
4	RTD, 100 Ohm Pt., -200 to +1000˚F, -129 to +538˚C

2030	-	**2**	**2**	**8**	**4**	**4**	**Typical Model Number**

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