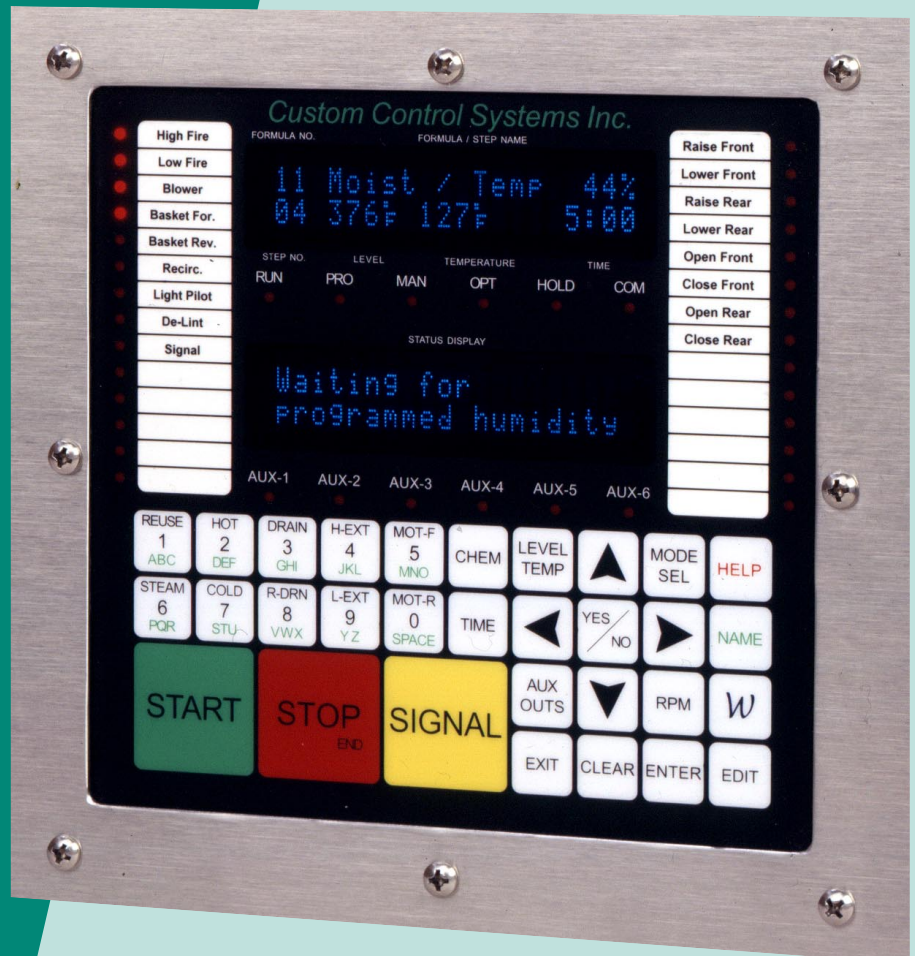


Historically,
industrial laundries
are labor-intensive,
high-stress operations.

**Custom Control
Systems**

has changed that.



DC - 5 5 0 0 F E A T U R E S

1. Alpha-Numeric display, 4 lines by 20 characters. Displays Formula Name, Step Name, Temperature, Humidity and Time.
2. Custom Label Insert for specific dryer outputs and functions.
3. Alpha-Numeric Keys speed selection of Letters for names, Numbers for numeric entry and output programming.
4. Large Start, Stop and Signal keys are easy to use even while wearing bulky work gloves.
5. Bright LEDs indicate the operating status of dryer control functions.
6. Pre Labeled LEDs indicate the current control mode and Auxiliary output status.
7. Displays current or programmed inlet or outlet temperatures, humidity, times, etc.
8. Help key, if the control is in a hold mode for any reason pressing this key will display the reason that the control is holding.
9. Formula and Step names can be customized to better fit your needs.
10. Arrow keys make it fast and easy to navigate formulas, steps, formula counts and other special areas of memory.

For more information:

Custom Control Systems Inc.

2007 Beech Grove Place

Utica, New York 13501

315.732.1990

Fax 315.732.1666

www.customcontrolsystems.com

PRODUCT DESCRIPTION

INTEGRATED CONTROL

The Custom Control Systems DC-5500 is an easy-to-program, user-friendly digital control designed for use with a variety of industrial dryers. The DC-5500 provides total integration into a dryer, as it controls the basket motors, automatic doors, tilting functions; and directs the blower motors and flame controls. Versatility is an invaluable feature of the DC-5500, as it can be used with variable-frequency basket drive systems, proportional valve flame controls, ambient and outlet humidity sensors, inlet, outlet, and ambient temperature sensors, and one-way and two-way tilting dryers.

SENSITIVE, ECONOMIC SYSTEM

The standard DC-5500 includes an outlet temperature sensor. In this configuration, the DC-5500 will maintain a programmed outlet temperature for a pre-set time during the drying cycle. During cooldown, the DC-5500 will either cool the goods to a set temperature, cool them for a predetermined time, or both. When configured with the optional inlet temperature sensor, the DC-5500 will also maintain the inlet air temperature to prevent damaging fragile and heat-sensitive fabrics. When equipped with ambient and outlet humidity sensors, the DC-5500 will monitor the moisture actually removed from the goods in the machine, to prevent over- or under-drying and reduce drying cycle time.

RELIABLE, TESTED HARDWARE

The hardware options include essential components such as nonvolatile memory, real-time clock and calendar, analog input channels, timers, counters and optically-isolated DC I/O lines. An RS-485 communications port is provided to facilitate remote programming and data collection between controls or a personal computer. The display and control panel consists of a 31-key membrane panel, 2 - 40 character alphanumeric vacuum fluorescent displays, and 40 (28 custom-labeled) LED indicators that continuously indicate the status of inputs and outputs.

WARRANTY

All products manufactured by Custom Control Systems Inc. are warranted against defects in material and workmanship for two years from date of purchase. If a defect occurs, the product will be repaired free of charge during the warranty period. Full details outlined in product manual.

DC-5500 SPECIFICATIONS

PROGRAMMING

Formulas 96 standard.

Steps 16 per formula. The DC-5500 can be programmed to heat or cool to a specific inlet or outlet temperature, maintain an inlet or outlet temperature for a user-programmable time, or maintain an inlet or outlet temperature until a user-programmable outlet humidity is reached.

Step Time Time can be programmed from one second to 99 minutes and 99 seconds in one-second increments.

Temperature Control Inlet temperature can be programmed from 0° to 750°F or 0° to 400°C in one-degree increments. Outlet temperature can be programmed from 0° to 320°F or 0° to 160°C in one-degree increments.

Humidity Control Outlet humidity can be programmed from 20% to 99% Relative Humidity in 1% increments.

ELECTRICAL

Power Source 90 - 150 / 200 - 250 Volts AC @ 1/2 amp
50 - 60 Hz

Relay Outputs Contacts rated @ 5 Amps 250 VAC
(Normally Open contacts)
24 relays standard; expandable to 48.

Inputs 16 dry contact inputs standard; expandable to 32.

Analog Inputs Outlet temperature thermocouple input standard. Ambient temperature, ambient humidity, outlet temperature and outlet humidity inputs optional.

Analog Outputs Optional basket motor variable frequency drive and proportional flame control outputs available.

CONSTRUCTION

Enclosure Fiberglass Hinged Cover (NEMA Type 4X). For OEM applications the control components can be mounted directly in machine electrical panel.

Enclosure Dimensions 12.0 x 10.0 x 6.0 (Fiberglass)
Consult Factory for special OEM applications.

Display Two 2x20 character, vacuum fluorescent, alphanumeric displays. 40 red status indicator LEDs, 28 with custom labels.

Keypad Sealed Membrane Panel, 31 Keys.