

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

**Custom Control  
Systems**

has changed that.

**For more information:**

Custom Control Systems Inc.

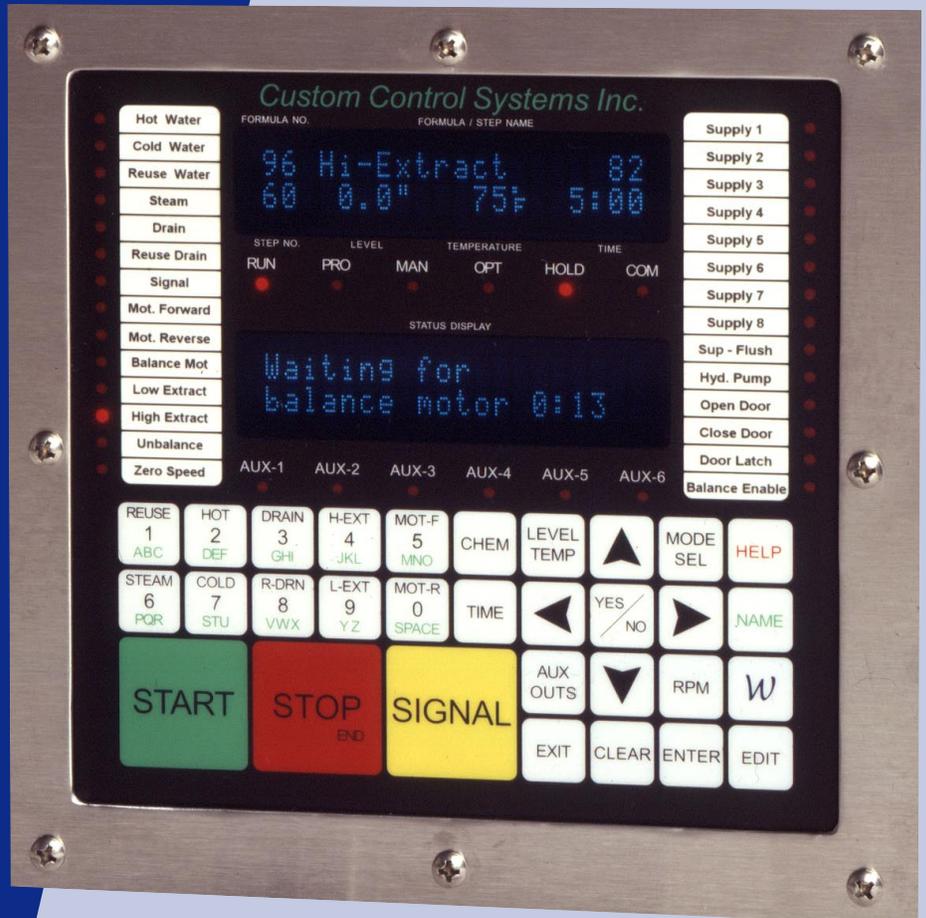
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### P C - 5 5 0 0 F E A T U R E S

1. Alpha-Numeric display, 4 lines by 20 characters. Displays Formula Name, Step Name, Temperature, Level and Time.
2. Custom Label Insert for specific washer outputs and chemical outputs.
3. Alpha-Numeric/Output Keys speed selection of Letters for names, Numbers for numeric entry and single key 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 the washer and chemical system control functions.
6. Pre Labeled LEDs indicate the current control mode and Auxiliary output status.
7. Displays Special status information. This display is also used to view the formula totals and hour meter.
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. Formulas, Steps and Chemical names can be customized to better fit your needs.
10. Arrow keys make it fast and easy to navigate formulas, steps, formula counts and many other special areas of memory.

## PRODUCT DESCRIPTION

The PC-5500 combines cutting-edge technology with ease of use and low maintenance. This compact, easily-programmed, microcomputer-based industrial control is capable of communications, data logging and user-programmable process control. The PC-5500 is designed to be easily expandable and accommodates a wide variety of Input/Output (I/O) requirements.

### RELIABLE HARDWARE

The hardware options include essential components such as nonvolatile memory, real-time clock and calendar, analog input channels, timers, counters, 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 28 LED indicators that can be custom labeled with text to continuously indicate the status of inputs and outputs.

### FLEXIBLE SOFTWARE

The PC-5500 Software is designed to be modular and consists of a library of functions that were developed in a combination of C and Assembly Language. As new features and needs are identified, additional drivers can be added to this library. Specific applications can be constructed by Custom Control Systems from this library to meet various control needs. The resultant code is compiled and placed into an EPROM on the processor board. The PC-5500 is specifically designed to control industrial washing machines, however the PC-5500 can be modified for use with many different types of industrial machine.

### A SYSTEM IN CONTROL

In order to insure that the PC-5500 executes formulas exactly as they were programmed, a check sum error detection scheme is used to check the integrity of nonvolatile memory. If an error is detected all operations stop and an error alarm is sounded and displayed.

### WARRANTY

All products manufactured by Custom Control Systems Inc. are warranted against defects in material and workmanship for one year 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.

## PC-5500 SPECIFICATIONS

### PROGRAMMING

**Formulas** 96 standard, expandable to 512.

**Steps** 60 per formula. Formulas may also be linked when more than 60 steps are needed.

**Outputs** 24 Standard and 24 optional with up to 28 custom labeled. The custom labels can be changed on site if the need should arise.

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

**Water Temperature Control** Water temperature can be programmed from 0° to 255°F or 0° to 145°C, in one-degree increments.

**Water Level Control** Water Level can be programmed from 0" to 25" in .1" increments. 0 cm to 62 cm 1 cm increments.

**Memory Retention** Battery backed RAM integrated circuits. Battery life greater than 10 years without power. Under normal use batteries will last in excess of 16 years.

### ELECTRICAL

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

**Relay Outputs** Contacts rated @ 5 Amps 250 VAC (N.O. contacts) 24 Relays Standard and 24 optional. Expansion beyond 48 is also available.

**Inputs** 16 dry contact inputs standard and 16 optional. Expansion beyond 32 also available.

**Analog Inputs** Optional. Many different configurations available.

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### CONSTRUCTION

**Enclosure** Fiberglass Hinged Cover (NEMA Type 4X) or 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.

**Mounting** Polyester mounting feet and stainless steel attachment screws provided with each control. Flush mount versions also available.

**Display** 2 - 40 character, Bright easy-to-read vacuum fluorescent, Alpha-Numeric type. Bright red status indicator LEDs.

**Keypad** Sealed Membrane Panel, 31 Keys.