



## RC 900S Temperature Controller



The ESS, Inc. RC 900S is virtually identical to our standard RC900 controller with the addition of support for 500 ohm RTD and cabling and connectors for retrofit to Sigma Systems® thermal platforms. The RC900S was developed to meet a need for upgrading thermal platform systems using non-indicating analog controllers or digital controllers based on older slower microprocessors that could not keep pace with the faster data acquisition rates of modern desktop computers.

The RC900S has all of the standard features of the RC900 including microprocessor based digital control, dual LED display, user device probe, cascade control software, programmable ramp and soak profiling, programmable ramp to set point, standard EIA-232 serial communications with optional IEEE-488 GPIB, 2 unit (3.5") tall half 19" rack width enclosure with tilt and fold bail for desktop use.

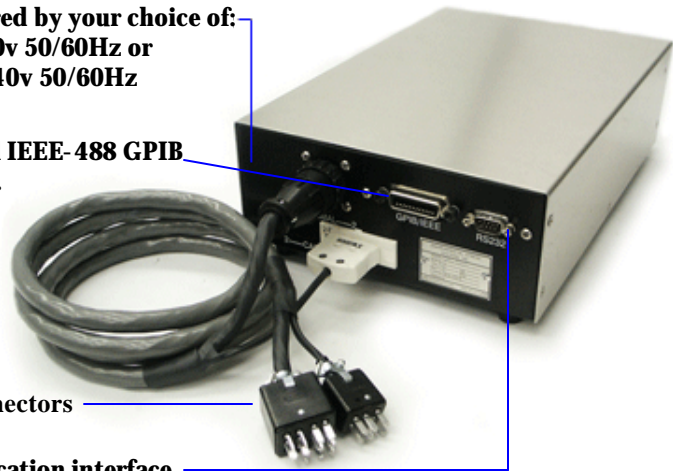


### Standard Features:

- Programmable ramp to set point
- Programmable ramp & soak profiles
- Cascade control software
- User device probe
- $\mu P$  based digital control
- Dual LED display

Powered by your choice of:  
110/120v 50/60Hz or  
230/240v 50/60Hz

Optional IEEE-488 GPIB interface.



Sigma® compatible connectors

Standard Serial EIA-232 communication interface.

<b>Operator Interface</b>	Dual 4 digit LED (upper display 10.2mm lower display 6.2mm)
<b>Input 1 and 2</b>	500 ohm RTD
<b>Output 1</b>	Heat
<b>Output 2</b>	Cool
<b>Communications</b>	EIA-232 ASCII protocol and/or IEEE-488 GPIB
<b>Profiles</b>	1 file, 8 steps, 255 repeat cycles
<b>EIA 232 Connector</b>	Standard 9 pin "D" type

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