Multistat™ Temperature controller

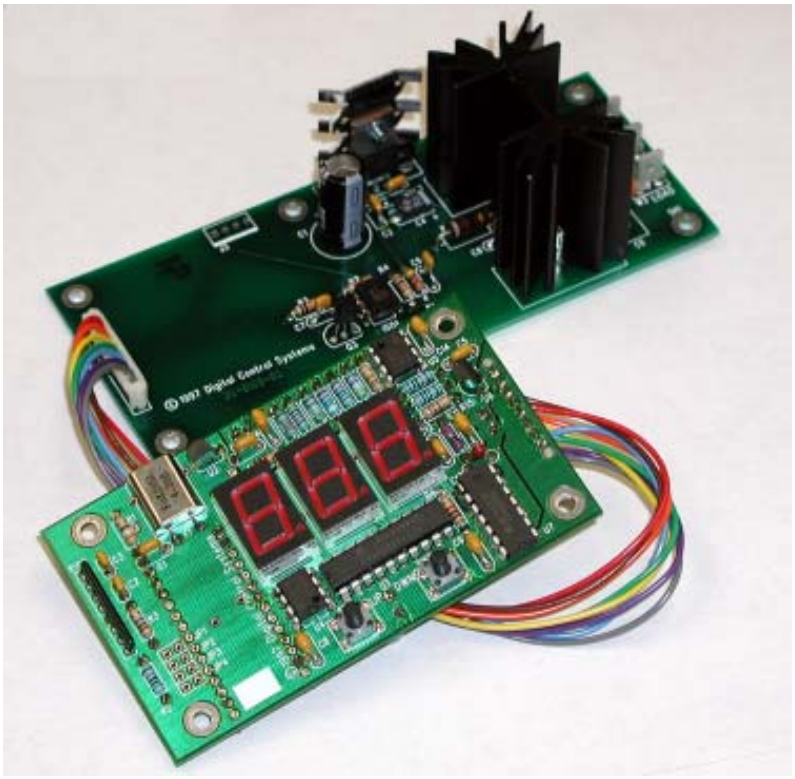
Model 105

-9.9 to 99.9⁰

Meets UL, CSA, CE

2-YEAR WARRANTY

Low-voltage operation



Designed for manufacturers of vehicular or other low voltage DC powered equipment, the Model 105 provides a cost-effective way to quickly and simply incorporate state of the art microprocessor based control capabilities into a wide variety of products. It precisely regulates electrically controlled thermal processes operating at temperatures between -9.9 and 99.9 degrees Celsius, typically maintaining temperature stability to well within ± 0.1 degrees of setpoint.

The Model 105 gives you the benefits of digital technology and the industrial design freedom of a custom control without the engineering and on-going support expenses of developing your own proprietary design. Its rugged design, field-proven in thousands of Model 100 Series Temperature Controllers installed worldwide, ensures long trouble-free operation.

Digital Control Systems, Inc. · 7401 SW Capitol Highway · Portland, OR 97219 · USA
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INNOVATION AND TECHNOLOGY

Specifictions	
Control and Display Range	-9.9 to +99.9 Degrees Celsius
Repeatability	Less than 0.1 Degree Celsius
Control Stability	Plus or Minus 0.1 Degree Celsius typical
Maximum Load Current	10 Amps RMS
Power Requirements	117/220 VAC plus/minus 10% 50-60 Hz, 10 Watts
Display	3 Digit, 0.56" (14mm) high 7 segment LED
Sensor	Clip mounted moisture-proof or Bulkhead mounted immersible available

The clearly-legible .56" (14mm) high LED display (which normally displays the process temperature, as well as the two buttons used to set and calibrae the controller) takes up less than 7 square inches of panel space, making the Model 105 ideal for applications with small or crowded control panels. Application-specific graphics on an inexpensive lexan overlay (optionally available from DCS) easily customizes the Model 105's ergonomic user interface to each product.

The Model 105 is designed to survive in the real world. It is immune to polarity reversal and transients up to 60 volts. Larger overloads are absorbed by heavy duty internal transient suppressors.

Various standard options, including a second display, (showing setpoint), integral over temperature protection, and timer, are available.

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