

Advanced Composite Repair 2 TT8300 Temperature Controllers

BriskHeat® Advanced Composite Repair 2 TT8300 Temperature Controllers are portable, lightweight, self-contained units, ready for use when received. These controllers provide accurate temperature control for traditional vacuum bag repair of metal bonded and composite epoxy structures. The TT8300 series controller is designed for use with all styles of BriskHeat® Advanced Composite Repair 2 Heating Blankets. Simply replace the "C" suffix in the heating blanket part number with a "B".

Specifications:

- * Compact size
- * Simple four key user control
- * 14 programmable alarm types
- * Visual and audible alarms
- * Automatic tuning of PID parameters
- * Accuracy ± 1 least significant digit
- * Choice of operating voltage of 120VAC or 240VAC, +10% to 15%. 50-400Hz
- * Rated at 20amps at 120 or 240VAC
- * Fused output
- * Type J thermocouple input
- * Dual display shows set-point and actual temperature
- * 6' (1.8M) power cord
- * Standard J style thermocouple jack
- * Programmable to either °C or °F
- * Fuzzy logic reduces overshoot on startup
- * Heater break protection
- * Sensor break protection
- * Auto / manual control ability
- * Program security lock levels



The TT8300 series temperature controller provides a variety of user programmable alarm functions including high limit cutout and loop break alarms. The adjustable high limit cutout alarms prevent over heating while the loop break alarms are designed to detect heater and thermocouple failure.

The optional vacuum venturi system operates from shop air. The vacuum system will develop up to 28inHg (711mmHg) with a flow rate of 5.7 scfm. The vacuum system comes with a pressure regulator, vacuum gage, and pressure gage.

Part Numbers

Part Number	Description
TT8301-S16	TT8300 series temperature controller: 120VAC
TT8302-S16	TT8300 series temperature controller: 240VAC
TT8305-S16	TT8300 series temperature controller: 240VAC 3 phase
TT8301-S18	TT8300 series temperature controller with vacuum venturi system: 120VAC
TT8302-S18	TT8300 series temperature controller with vacuum venturi system: 240VAC
TT8301-S20	TT8300 series temperature controller with eight-segment ramp/soak control: 120VAC
TT8302-S20	TT8300 series temperature controller with eight-segment ramp/soak control: 240VAC
TT8301-S21	TT8300 series temperature controller with eight-segment ramp/soak control and vacuum venturi system : 120VAC
TT8302-S21	TT8300 series temperature controller with eight-segment ramp/soak control and vacuum venturi system : 240VAC