SAFE-HEET Variable Temperature Controller Model 707

The SAFE-HEET Variable Temperature Controller is designed for use with any McFarlane 700 Series SAFE-HEET Engine heater. It may also be used with other brands (user must confirm compatibility). Benefits include:

- o Speed installation of the heater
- o Allow the McFarlane heater (or other brands) to be used continuously at lower temperatures.

NOTE: The variable temperature controller is installed between the ground fault circuit interrupter (GFCI) and the heater.

SAFE-HEET Installation

A variable temperature controller can be used to allow a SAFE-HEET heater to accelerate and improve its own installation. Advantages to this method are:

- Curing time of the adhesive reduced to approximately three (3) hours.
- The increased curing temperature will thin the adhesive, reducing bubbles and resulting in better heat transfer.
- Installation can be done anytime, instead of requiring a warm day or a heated hangar.

Installation Instructions when using the temperature controller.
1. Install the heater per its instructions.
2. Turn the controller knob until the indicator light comes on.
3. Turn the knob back into the BLUE range. Indicator light will dim.
4. Leave unit powered on until full curing has occurred.

Extended Heating
By itself, an engine heater cannot be left on for extended periods of time, as this will accelerate internal engine corrosion; damaging the engine. Using the SAFE-HEET variable temperature controller allows the operator to use the heater at low temperatures for longer stretches of time, followed by a brief period of full power just prior to flight. The controller is fully adjustable, allowing the user to determine the minimum setting which produces the best results; an acceptable pre-start oil temperature without excessive pre-flight heating time.