



# SUBMITTAL DATA INFORMATION

Job: \_\_\_\_\_ Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_ Rep: \_\_\_\_\_



## SENZTEK SOLASTAT CONTROLLER

### Power Supply

Supply Voltage -H 85~264Vac/dc (standard model)  
-M 22~85Vdc. (Must specify at time of ordering.)  
-L 10~28Vac/dc. (Must specify at time of ordering.)

Max power usage. 5VA + external loads.

### Relay Outputs

2 x 1hp motor. 1hp combined load.  
2 x 0.5hp motor@110V. 0.5hp combined load @ 110V.  
10A resistive combined load flexible wiring.  
(16A permanent wiring.)

### Sensors

Display range -20 ~ +139 / -4 ~ +282F  
Control Range -40 ~ +150C / -40 ~ +302F  
Stainless steel tip -40 ~ +150C / -40 ~ +302F;  
6mm diameter x 30 mm  
PVC Sensor Cable -40 ~ +150C / -40 ~ +221F ;  
4mm diamter, UV resistant.(Standard Models)  
Teflon Sensor Cable -40 ~ +250C / -40 ~ +482F;  
4mm diamter, UV resistant.(Special Order)  
Accuracy +/- 1C/2f @ 25C/77f

### Adjustable Values Range (Adjustable in PRG mode.)

Pump-On 2~21C / 3~37F (Roof – Inlet sensor)  
Pump-Off 1~20C / 1~36F (Roof – Inlet sensor)  
Top Out Protection 1~120C / 33~248F with -2C/-3F  
hysteresis or OFF  
Frost Protection 1~10C / 33~50F with +2C/+F  
hysteresis or OFF

### HWC Adjustable Values Range (Adjustable in PRG mode)

Default HWC state: ON/OFF  
Holdoff Tiimer: 1~23hours or Thermostat Mode or Reheat Mode  
Reheat lower (set): 1~70C / 33~158F or OFF  
Reheat Upper (reset): 2~90C / 35~195F or OFF

### EMC and Safety Compliances

Emissions: EN 55022-A, C  
Immunity: EN 50082-1  
Safety COmpliance: EN 60950, C

## FEATURES

- Intelligent Heat Extraction From Solar Water Panels.
- Large 20mm Soft Green Digital LED Display with 8 Status Lights.
- High Quality, Efficiency, Reliability and +/-1C Accuracy.
- Stainless Steel, Water Resistant Temperature Sensors.
- Pre-wired with Mains Plugs and Sockets, no Electrician Required.
- Pre-Programmed to Customer's Specification at No Extra Cost.
- All Values and Functions Installer Adjustable.
- Access Code Protected Front Panel Programming.
- Sensor Diagnostics and Smart Shutdown.
- Frost Protection Prevents Panels Freezing.
- Over Temperature Protection (Topout) for Ceramic Tap and Ceramic Lined Hot Water Cylinders.
- Easy to Install with External Mounting Holes.
- Complies with Safety & EMC standards.
- Enclosure and cables UV resistant.
- Water Resistant and Rear Cable Entry Options.
- 1HP (750W) Relay Std

## TECHNICAL FEATURES

### General Specifications

Operating Temperature: 0~60C/ 0~140F  
Operating Humidity 90% RH Max. Non-Condensing  
UL94 V-2 Non Burning, UV Stabilized  
Water resistant or rear entry option available  
Dimensions L=6.57" x W=5.59" x H=1.57"  
Weight Standard model + sensors + packaging = 2.64 lbs.