



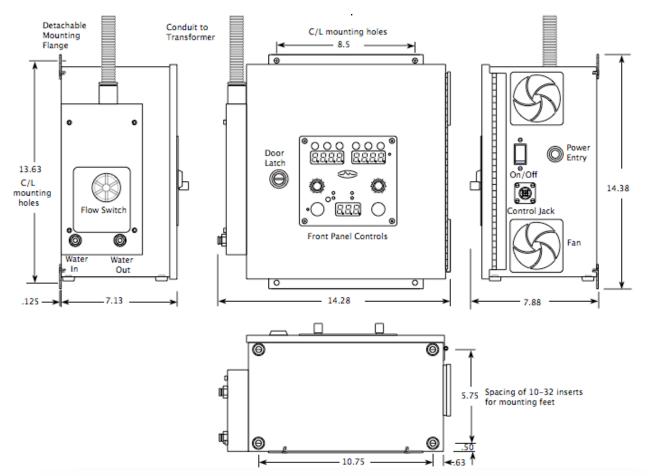
### **STANDARD FEATURES**

- 20 40 Khz output heats wide range of part sizes/materials. Rugged thyristor inverter technology.
- Bench top or wall mount with removable flanges.
- Flexible cable to output transformer allows mounting of heating output on slides, lifts, or other mechanisms.
- Universal control input jack accepts *Heat Station* manual controls or direct connection to PLC or custom controls.
- 0-10 Volt DC Analog Input for Power Control
- 0-2.5 Volt DC output confirms power is delivered to load.
- Repeatability to ± 0.5%
- Small Size and Weight
- Fast setup / Low maintenance / All components accessible.
- Front panel display for power, heat ON/OFF,
- low flow , and over temperature.
- One year warranty parts and labor.

## External housing separates water cooling from electronics.

#### **PROTECTION FEATURES**

- Over Current Limit
- Over Voltage Protection
- Circuit Breaker On/Off switch
- Fast Fuse on Output Circuit
- Electronic Water Flow Switch with Flow Indicator
- Over Temperature Protection
- Electrically Isolated Low Voltage Output Transformer
- RF / EMI Input Filter
- Adjustable Electronic Load Sensor Circuit

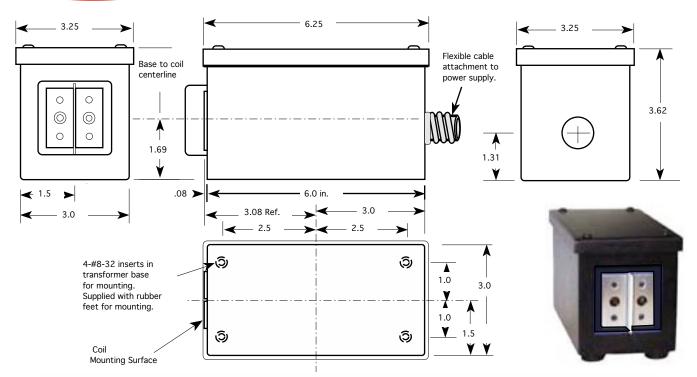


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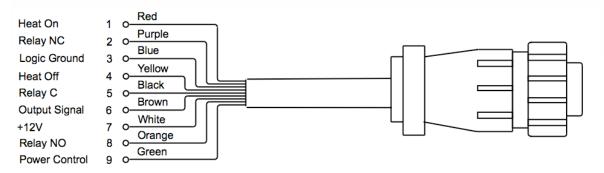
Heat Station 2500 R Power Supply with remote output. Six foot flexible cables carry power and water.



# HEAT STATION 2500R Output Transformer/ Control Cable



Included with power supply. Transformers feature plated terminals with O ring seal water ports and helicoil inserts for mounting of water cooled heating coils.



<u>Heat On/Off Function</u> - Connect a SPDT switch to wires 1, 4 and 7. Wire 7 to common. Wire 4 to Normally Closed. Wire 1 to Normally Open. Engaging the switch will turn on the HEAT ON light, turn off the HEAT OFF and initiate heating. Dis-engaging the switch will turn off heating, turn off the HEAT ON light and turn on the HEAT OFF light.

<u>Power Control</u> - Apply a 0 to +10Vdc signal between pin 9 and 3. A +10V signal will result in maximum power. A 0V signal will result in minimum power. (Note: Power control source switch on the control board inside the power supply must be in the correct position. Refer to the manual.)

<u>Output Power Voltage</u> - A 0 to +2.5V signal is present at pin 6. +2.5V represents maximum power. 0V is minimum power. (Note: In operation, the actual minimum power is dependent on the load. It is typically around 20%, or approx. 0.5 volts.)

<u>Output Power Relay</u> - A relay is provided that changes state when a power level of approx 60% is reached. This level can be changed using an internal pot.

Pin 5 is common, pin 2 is normally closed and pin 8 is normally open.

#### Control cable for PLC connection

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