

# Arrow Springs

## Model ASC/5 Temperature Controller

### Quick Start - Running an existing program



#### Press left button.

Display shows **PrOx**, where **x** is a number from 1 to 9, representing the program number. If the display did not show **IdLE** before you press the left button you may need to press it more than one time.



#### Press center button until display shows desired program number.

Display shows **PrO1**, **PrO2**, etcetera. If display already shows the program number you want to run, you do not need to press this button.



#### Press right button twice.

On the first button push, the display begins a review of the selected program. The second button push cancels the review. Display shows **Strt** (Start) at end of review or after cancel.



#### Press left button.

Display shows **-On-** for a few moments then shows the temperature. To the left of the display, a light blinks next to **RUN**. Program is now running.

### Option - To skip forward in the running program



#### Press the center button.

Display shows **SStP** (Skip Step).



#### Press the left button twice.

On the first button push, the display will show either **rA x**, where **x** is the step number of the Ramp in which the controller is running, or the display will show **HLdx**, where **x** is the step number of the Hold in which the controller is running.

The second button push advances the program to the next step and the display shows the temperature.

# Pre-Loaded Programs

## **Program 1: Lampwork annealing for soft glasses**

Step 1: Ramp Rate Full, Temperature 960° F (516° C), Hold Time 12 hours  
Step 2: Ramp Rate Full, Temperature 960° F (516° C), Hold Time 30 minutes  
Step 3: Ramp Rate 400° F (222° C), Temperature 400° F (204° C), Hold Time none  
End

## **Program 2: Lampwork batch annealing for soft glasses**

Step 1: Ramp Rate 900° F (500° C), Temperature 960° F (516° C), Hold Time 12 hours  
Step 2: Ramp Rate Full, Temperature 960° F (516° C), Hold Time 30 minutes  
Step 3: Ramp Rate 400° F (222° C), Temperature 400° F (204° C), Hold Time none  
End

## **Program 3: Lampwork annealing for borosilicate hard glasses**

Step 1: Ramp Rate Full, Temperature 1050° F (566° C), Hold Time 12 hours  
Step 2: Ramp Rate Full, Temperature 1050° F (566° C), Hold Time 30 minutes  
Step 3: Ramp Rate 400° F (222° C), Temperature 400° F (204° C), Hold Time none  
End

## **Program 4: Jewelry scale fusing for soft glasses**

Step 1: Ramp Rate 1000° F (556° C), Temperature 1000° F (538° C), Hold Time none  
Step 2: Ramp Rate Full, Temperature 1500° F (816° C), Hold Time 30 minutes  
Step 3: Ramp Rate Full, Temperature 960° F (516° C), Hold Time 30 minutes  
Step 4: Ramp Rate 400° F (222° C), Temperature 400° F (204° C), Hold Time none  
End