

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.

Display begins a review of the selected program. If this button is pressed a second time, the review is canceled. Display shows **Strt** (Start) at end of review or after cancel. It is not necessary to wait for review to complete or be canceled before proceeding to next step.



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.



To cancel skipping forward in the program after pressing the PROGRAM START/STOP button (left button) once, press the DECREASE REVIEW button (right button) once. This is a best method to see which step in the running program the controller is currently running in without affecting the running program.

You cannot skip forward in a running program past the last step of a program.

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