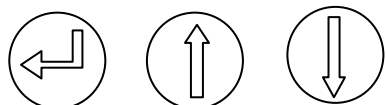


## ORTON CONTROLLER –KLB KILN INSTRUCTIONS

- Plug in Controller to outlet and Kiln into controller.
- Put pyrometer into small hole in kiln.
- Turn kiln switch on to high.
- Turn controller on.



Enter      Up      Down

Change the #s with the up and down arrows and after each change hit the left button to enter your changes. If you don't want to change anything just hit enter. To turn on the kiln, you have to go through the whole program by just hitting enter.

- ProG** stands for Program which you can change with the up arrows – up to 9 programs available.
- Delay** here you could decide, if you wanted to start your kiln later, otherwise just hit enter.
- rA** Ramping up or down is asking for the temperature per hour – which establishes how fast your kiln will heat up or cool down.
- ° F** Target temperature
- Hld** holding time in minutes at the target temperature
- Ready** hit enter again and you kiln will turn **on**

You have **9 Programs** which can be dedicated to different firing schedules as shown in the 4 samples below.

- ProG 1** – full fuse – first fuse firing
- ProG 2** – full fuse – second fuse firing
- ProG 3** – drape firing
- ProG 4** – tack fuse

ProG	ProG 1- full fuse First fuse firing	ProG 2 – full fuse Second fuse firing	ProG 3 – drape firing	ProG 4 – tack fuse	Special Instructions
<b>rA 1</b>	600 ° F	300 ° F	300 ° F	600 ° F	Speed – degree per hour
<b>° F 1</b>	1,000 ° F	1,000 ° F	1,000 ° F	1,000 ° F	The glass need to be at 1000
<b>Hld 1</b>	0.10	0.10	0.10	0.10	minutes
<b>rA 2</b>	⇩ full	⇩ full	⇩ full	⇩ full	This stands for as fast as possible
<b>° F 2</b>	1,450 ° F	1,450 ° F	1,210 ° F	1,350 ° F	Target temperature – observe
<b>Hld 2</b>	10	10	5 to 10	10	minutes
<b>rA 3</b>	⇩ full	⇩ full	⇩ full	⇩ full	Cooling down afap
<b>° F 3</b>	960 ° F	960 ° F	960 ° F	960 ° F	Annealing temperature
<b>Hld 3</b>	1.00 hr is usually save for most projects, however please refer to firing schedules				
<b>rA 4</b>	0000 - Hit enter again – ready hit enter again and your kiln will turn on				

This is just a sample that might need adjustments to your needs and projects. Please see firing schedules in “Introduction to Glass Fusing” and “Fuse It”.