Go-Link VT- 4810 Controller Manual

Single Program
Ramp Rate Controller with Soak

NOTE: Please read instructions before using your kiln.
Failure to do so may result in damage to the kiln and it's contents.

1. Set the Desired Temp.

First you need to use the up and down arrows to adjust the temperature you want to reach. This will appear in the second row of numbers in Green being the SV or Set Value. The top row in Red is the PV or present value and represents the temperature that the Kiln is reading from the thermocouple.

2. Set the Ramp Rate.

The rate at which the kiln heats to the maximum firing temperature may be controlled by altering the "ramp rate" on the controller. This is achieved by first pressing the set button (situated to the left of the up/down buttons).

The controller will now display "rAmP" in the top red window and the last ramp rate set in the bottom window.

Note: The reading is in Degrees Celsius per Minute.

The rate is then be changed as desired using the UP/DOWN buttons

CONVERSION TABLE   DegC/Hr to DegC/Min

Deg C/hr	Deg C/min	Deg C/hr	Deg C/min	Deg C/hr	Deg C/min
6	0.1	96	1.6	186	3.1
12	0.2	102	1.7	192	3.2
18	0.3	108	1.8	198	3.3
24	0.4	114	1.9	204	3.4
30	0.5	120	2	210	3.5
36	0.6	126	2.1	216	3.6
42	0.7	132	2.2	222	3.7
48	0.8	138	2.3	228	3.8
54	0.9	144	2.4	234	3.9
60	1	150	2.5	240	4
66	1.1	156	2.6	246	4.1
72	1.2	162	2.7	252	4.2
78	1.3	168	2.8	258	4.3
84	1.4	174	2.9	264	4.4
90	1.5	180	3	270	4.5

3. Setting the Soak Time
After setting the rAmP rate press the scroll button again to advance to the timE setting. The top display will show the word "timE". Use the UP/DOWN arrows to set the amount of soak time which you would like when the kiln reaches the maximum temperature.

For most applications a soak time will of 10 mins is advisable & so the value will be set to 15. Occassionally, ie. when firing ware of uneven thickness or when firing a glaze, a soak time of up to 30 minutes may be advisable.

When the time has been set, the controller can then be returned to it's normal mode (ie display of temperature) by pressing the scroll button again (or return button at the right of the up/down buttons)

Note: If you wish to check the ramp rate and soak time which have been set, simply press the set button to scroll (one value at a time) through the values again.

CAUTION - Auto Tune

The scroll & return buttons should not held down for unnecessarily long periods.
If the scroll button is held down for more than 5 seconds, the control will begin an auto tune procedure (indicated by a flashing red light on the front panel). To exit the auto tune mode, press the scroll button again for at least 5 seconds. Though the name of this sounds like a good idea it can cause all sorts of issues as is best only done by an experienced technician.

Do not hold down the return button for extended periods.

If any other buttons are pressed and displays any other information, this info can be ignored as it has no material impact on the running of the Kiln. If you get 'stuck' in any setting simply turn the kiln off again to reset the controller.