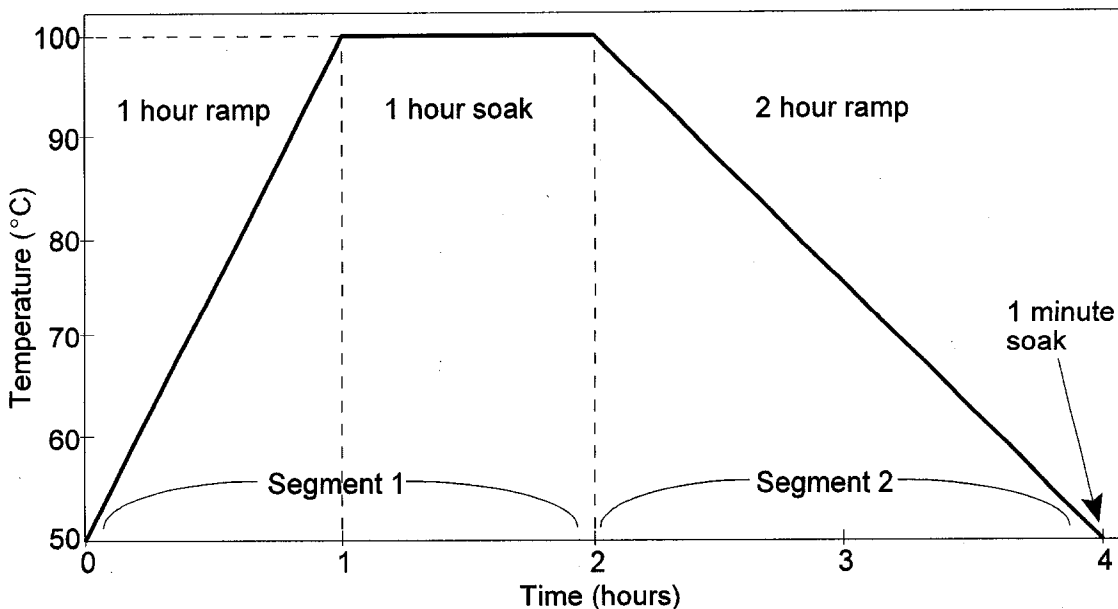


Subject: Protocol Plus Profile programming.

Following is a step by step procedure to enter a sample profile into the Protocol Plus control. The sample profile will ramp from a starting temperature to 100 deg. In 1 hour. Hold at 100 deg. For 1 hour, then ramp down to 50 deg. In 2 hours. Event 1 for this sample will be assigned as a cooling event. Your event relays if present may be different. (Events will not appear when programming a profile if your control does not have a relay card or if it is not configured to be an event relay)

Sample Profile



Programming Table

Profile Number 1 Profile Name _____

Segment	Ramp					Soak					
	Time	Events				Temperature	Time	Events			
		1	2	3	4			1	2	3	4
1	01h00	Off	NA	NA	NA	100	01h00	Off	NA	NA	NA
2	02h00	On	NA	NA	NA	50	00h01	On	NA	NA	NA
3	00h00										
4											
5											
6											
7											
8											

High Limit Setpoint	115
Loop From Seg	No
Loop To Seg	No
Loop Number	0
Link To Pro	Stop
Guar Soak Band	10

1. To start programming, the control should be in the stop or cycle complete status. If the cycle complete light is not on, press the Stop key.
2. With Stop displayed in the bottom display and the cycle complete light on, press the Select key three times until Setup is displayed on the bottom line.
3. Press the Page key once and Security should be displayed.
4. Press the Menu key and password should be displayed.
5. Press the up arrow key twice to enter the level 2 password of 2.
6. Press the Page key twice to display Program, SELECT for Pro-#.
7. There are 8 profiles that you can chose from to program. Press the Select key once to program profile 1. If you want to program a different profile press the select key until the desired profile number is displayed.
8. Press the Menu key and Pro-1 Seg-1 Ramp, Ramp Time should be displayed.
9. Press the up arrow to enter the desired ramp time. For this sample profile enter 01h00.
10. Press the Menu key, and Event 1 should be displayed. Use arrow keys to turn the event on or off. For this sample it should be off.
11. Press the Menu key, and Pro-1 Seg-1 Soak, Soak Temp should be displayed.
12. Press the arrow keys to enter the desired temperature. For this sample profile enter 100.
13. Press the Menu key, and Pro-1 Sec-1 Soak, Soak Time should be displayed.
14. Press the arrow keys to enter the desired time. For this sample enter 01h00.
15. Press the Menu key, and Pro-1 Soak, Event 1 should be displayed. Press the Menu key, and Event 1 should be displayed. Use arrow keys to turn the event on or off. For this sample it should be off.
16. Press the Menu key, and Pro-1 Seg-2 Ramp, Ramp Time should be displayed.
17. Press the up arrow to enter the desired ramp time. For this sample profile enter 02h00.
18. Press the Menu key, and Event 1 should be displayed. Use arrow keys to turn the event on or off. For this sample it should be On.
19. Press the Menu key, and Pro-1 Seg-2 Soak, Soak Temp should be displayed.
20. Press the arrow keys to enter the desired temperature. For this sample profile enter 50.
21. Press the Menu key, and Pro-1 Sec-1 Soak, Soak Time should be displayed.
22. Press the arrow keys to enter the desired time. For this sample enter 00h01.
23. Press the Menu key, and Event 1 should be displayed. Use arrow keys to turn the event on or off. For this sample it should be On.
24. Press the Menu key, and Pro-1 Seg-3 Ramp, Ramp Time should be displayed.
25. Press the arrow keys to enter the desired ramp time. For this sample profile enter 00h00.

26. Press the Menu key and Profile-1, Hi-Lim SP should be displayed. Use the arrow keys to enter the desired high limit setpoint. For this sample enter 115.
27. Press the Menu key and Profile-1, Loop From Seg. Use the arrow keys to change the value. For this sample enter No.
28. Press the Menu key and Profile-1, Loop To Seg. Use the arrow keys to change the value. For this sample enter No .
29. Press the Menu key and Profile-1, Loop Number. Use the arrow keys to change the value. For this sample enter 0.
30. Press the Menu key and Profile-1, Link To Pro. Use the arrow keys to change the value. For this sample enter Stop
31. Press the Menu key and Profile-1, Guar Band. Use the arrow keys to change the value. For this sample enter 10
32. Press the Menu key and Pro-1 Seg-1 Ramp. This is back to the beginning of the profile. At this point, you are done programming.
33. To exit this mode and save settings. Press and hold the Page key for 3 seconds.
34. To run this profile, press the select key several times until the display reads, Stop, Profile-None.
35. Press the up arrow to display Stop, Profile-1
36. Press the run key.