

Sample Profile Instructions

EZ-ZONE[®] PM Controller

Profile Setup

First, consider some foundational profile *setup* features that once configured, will apply to all configured profiles.

Some of those features that apply to all profiles are listed below with a brief description of their function.















- **Ramping Type** (Time or Rate) which changes the profile set point based on a set interval of time or set rate.
- **Profile Type** (Set Point or Process) determines whether a step (any step changing the set point) of a profile will begin by using the process value (Process) or the last closed-loop set point (Set Point).
- **Guaranteed Soak Enable**, when set to 'ON' makes this feature available in all profiles. If Guaranteed Soak Enable is 'ON', use Guaranteed Soak Deviation 1 to 2 to set the value for the corresponding loop. Set the deviation or band above or below the working set point where this condition must be met before the profile can proceed.

Note:




Changes made to profile parameters in the Profiling Pages will be saved and will also have an immediate impact on the running profile. Some parameters in the Profile Status Menu can be changed for the currently running profile, but **should only be changed by knowledgeable personnel and with caution**. Changing parameters via the Profile Status Menu will not change the stored profile but will have an immediate impact on the profile step that is running.

Once these global profile features are configured, the next step will require navigation to the Profiling Page. Here, each desired ramp and soak profile will be configured.


To navigate to the Profile Page from the front panel, follow the steps below:

1. From the Home Page, press and hold the Advance Key  for approximately five seconds. The profile prompt  will appear in the lower display and the profile number (e.g. ) appears in the upper display.
2. Press the Up  or Down  key to change to another profile (P1 to P4).
3. Press the Advance Key  to move to the selected profile's first step.
4. Press the Up  or Down  keys to move through and select the step type.
5. Press the Advance Key  to move through the selected step settings.
6. Press the Up  or Down  keys to change the steps settings.
7. Press the Infinity Key  at any time to return to the step number prompt.
8. Press the Infinity Key  again to return to the profile number prompt.
9. From any point press and hold the Infinity Key  for two seconds to return to the Home Page.


Instructions to navigate the profile page appears below.

Pressing and holding the Advance Key  for 5 seconds will enter the profile page.  for Profile 1 will appear in the red display and  for Profile page will appear in the green display.

Pressing either the up or down arrow will change the profile number; (P1, P2, P3 or P4).

Again pressing the Advance Key  causes the controller to enter the selected profile to edit or review each step. The profile number now appears in the green display and the step number appears in the red display.

Programming requires entering each step, programming the attributes of the step and then exiting from the step. Next we increment to the next step, program those attributes of that step and exit. The process is repeated for each step to be programmed.

Pressing and holding the Infinity Key  for 2 seconds returns to the home page when you have completed the profile creation/edits.

Note:

Profile 1 consists of steps 1 through 10.

Profile 2 consists of steps 11 through 20.

Profile 3 consists of steps 21 through 30

Profile 4 consists of steps 31 through 40.

Each profile step is programmed with a **Step Type**. The step type defines what the controller is to do when this step is executed. There are 9 **step types** to choose from when specifying a profile step. These are –

- Unused
- Time or Rate
- Soak
- Wait for Event
- Wait for Process
- Wait for Both
- Wait for Time
- Jump Loop
- End

It is good programming practice to document what you want the profile to do on paper before starting to program the controller. This has several advantages; first it allows us to think through the process, secondly it helps us understand how to program the control and thirdly it documents the profile.

Let's first describe an example of what we want the chamber to do when the profile executes.

- 1) I want to raise the temperature to 440 °F over a 1 hour, 0 minutes and 0 second time period.
- 2) Then I want the chamber to maintain the temperature for 2 hours, 0 minutes and 0 seconds.
- 3) Next the chamber should decrease the temperature as fast as possible to 425 °F.
- 4) Since I do not know how fast the system can cool to 425 °F, I want the controller to wait for 425 °F before soak timing occurs.
- 5) The temperature should be maintained for a 1 hour, 0 minutes, 0 seconds time period.
- 6) After this soak period, the chamber should cool as fast as possible to 32 °F.
- 7) Since I do not know how fast the system can cool to 32 °F, I want the controller to wait for 32 °F before soak timing occurs.
- 8) The chamber will be at 32 °F for 1 hour, 0 minutes and 0 seconds.
- 9) The steps described above should repeat for a total of 15 times
- 10) At which time the controller should end the profile and not control the chamber to any specific temperature. So the chamber will drift to ambient.

Notice how I stated the sequence of events. I said I wanted the chamber to increase to 440 °F in 1 hour, 0 minutes and 0 seconds. I didn't just say 1 hour because the controller is going to ask for hours, minutes and seconds. Also note that you do not tell the controller where to start from.

In step 2 of my profile, I want to maintain temperature for 2 hours, 0 minutes and 0 seconds. That describes a soak step.

We continue the process of describing each step into actions that must occur to accomplish the task.

My controller is set to start from the process value. So when my profile executes it will grab the temperature displayed in red and move towards my target set point of 440° over a 1 hour, 0 minutes and 0 seconds timeframe. I have just described step one of my 1st profile.

The above describes the process in words. Now the profile steps must be defined in terms the controller understands. The next 5 pages show the translated steps documented in a table format. After those pages are shown, the remaining pages document keystroke by keystroke the entry of this sample profile. We suggest you try entering this sample to get familiar with the keys for navigation as well as learning to translate needs into step action. Use the blank programming pages located in a separate file to document your profiles.

Completed example for EZ-ZONE PM - Profile 1										Follow the row for step type and enter your settings in yellow boxes								
Step	Step Type Abbrev.	Step Type circle one	Target SP 1 -1999 to 9999	Target SP 2 -1999 to 9999	Time or Rate			Day of Week	Jump Step 1	Jump Count 0-9999	Wait Event 1 oFF/on /nonE	Wait Event 2 oFF/on /nonE	Wait Process Instance 1 or 2	Wait Proc 1 -1999 to 9999	End Type USER/ HoLd/ oFF	Event 1 oFF/ on	Event 2 oFF/ on	
					Hours 0-99	Minutes 0-59	Seconds 0-59											
1	<input checked="" type="checkbox"/> USEP	Unused Step																
	<input checked="" type="checkbox"/> SoAh	Soak																
	<input checked="" type="checkbox"/> LwE	Wait-for-Event																
	<input checked="" type="checkbox"/> LwPr	Wait-for-Process																
	<input checked="" type="checkbox"/> LwBo	Wait-for-Both																
	<input checked="" type="checkbox"/> JL	Jump Loop																
	<input checked="" type="checkbox"/> End	End																
	<input checked="" type="checkbox"/> CLoT	Wait-for-Time																
	<input checked="" type="checkbox"/> t	Time	440		1	0	0										Off	Off
	<input checked="" type="checkbox"/> rAE	Rate																
Purpose for this step:			Ramp temperature to 440°F over 1 hour, 0 minutes, 0 second time period. Event out 1 and 2 not used.															
2	<input checked="" type="checkbox"/> USEP	Unused Step																
	<input checked="" type="checkbox"/> SoAh	Soak			2	0	0										Off	Off
	<input checked="" type="checkbox"/> LwE	Wait-for-Event																
	<input checked="" type="checkbox"/> LwPr	Wait-for-Process																
	<input checked="" type="checkbox"/> LwBo	Wait-for-Both																
	<input checked="" type="checkbox"/> JL	Jump Loop																
	<input checked="" type="checkbox"/> End	End																
	<input checked="" type="checkbox"/> CLoT	Wait-for-Time																
	<input checked="" type="checkbox"/> t	Time																
	<input checked="" type="checkbox"/> rAE	Rate			Rate per min >>>>>													
Purpose for this step:			Maintain temperature for 2 hours, 0 minutes and 0 seconds. Event out 1 and 2 not used.															

Completed example for EZ-ZONE PM - Profile 1					Follow the row for step type and enter your settings in yellow boxes													
Step	Step Type Abbrev.	Step Type	Target SP 1	Target SP 2	Time or Rate			Day of Week	Jump Step	Jump Count	Wait Event 1	Wait Event 2	Wait Process Instance	Wait Proc 1	End Type	Event 1	Event 2	
					Hours	Minutes	Seconds											
	circle one		-1999 to 9999	-1999 to 9999	0-99	0-59	0-59		1-2	0-9999	oFF/on /nonE	oFF/on /nonE	1 or 2	-1999 to 9999	USER/ HoLd/ oFF	oFF/ on	oFF/ on	
3	USEP	Unused Step																
	SoAh	Soak																
	WJE	Wait-for-Event																
	WJPr	Wait-for-Process																
	WJbO	Wait-for-Both																
	JL	Jump Loop																
	End	End																
	CLoC	Wait-for-Time																
	ti	Time	425		0	0	0										Off	Off
	RAEE	Rate		Rate per min >>>>>														
Purpose for this step:			Ramp temperature to 425°F as quick as the system will allow. Event out 1 and 2 not used.															
Step	Step Type Abbrev.	Step Type	Target SP 1	Target SP 2	Time or Rate			Day of Week	Jump Step	Jump Count	Wait Event 1	Wait Event 2	Wait Process Instance	Wait Proc 1	End Type	Event 1	Event 2	
					Hours	Minutes	Seconds											
	circle one		-1999 to 9999	-1999 to 9999	0-99	0-59	0-59		1-3	0-9999	oFF/on /nonE	oFF/on /nonE	1 or 2	-1999 to 9999	USER/ HoLd/ oFF	oFF/ on	oFF/ on	
4	USEP	Unused Step																
	SoAh	Soak																
	WJE	Wait-for-Event																
	WJPr	Wait-for-Process											1	425		Off	Off	
	WJbO	Wait-for-Both																
	JL	Jump Loop																
	End	End																
	CLoC	Wait-for-Time																
	ti	Time																
	RAEE	Rate		Rate per min >>>>>														
Purpose for this step:			Wait until 425°F has been reached before moving to next step. Event out 1 and 2 not used.															










Completed example for EZ-ZONE PM - Profile 1					Follow the row for step type and enter your settings in yellow boxes												
Step	Step Type Abbrev.	Step Type	Target SP 1	Target SP 2	Time or Rate			Day of Week	Jump Step	Jump Count	Wait Event 1	Wait Event 2	Wait Process Instance	Wait Proc 1	End Type	Event 1	Event 2
					Hours	Minutes	Seconds										
		circle one	-1999 to 9999	-1999 to 9999	0-99	0-59	0-59		1-4	0-9999	oFF/on /nonE	oFF/on /nonE	1 or 2	-1999 to 9999	USER/ HoLd/ oFF	oFF/ on	oFF/ on
5	USEP	Unused Step															
	SoAh	Soak			1	0	0									Off	Off
	WdE	Wait-for-Event															
	WdPr	Ne															
	WdBo	Wait-for-Both															
	JL	Jump Loop															
	End	End															
	CLoT	Wait-for-Time															
	t	Time															
	RAEE	Rate			Rate per min >>>>												
Purpose for this step:			Maintain temperature for 1 hours, 0 minutes and 0 seconds. Event out 1 and 2 not used.														
Step	Step Type Abbrev.	Step Type	Target SP 1	Target SP 2	Time or Rate			Day of Week	Jump Step	Jump Count	Wait Event 1	Wait Event 2	Wait Process Instance	Wait Proc 1	End Type	Event 1	Event 2
					Hours	Minutes	Seconds										
		circle one	-1999 to 9999	-1999 to 9999	0-99	0-59	0-59		1-5	0-9999	oFF/on /nonE	oFF/on /nonE	1 or 2	-1999 to 9999	USER/ HoLd/ oFF	oFF/ on	oFF/ on
6	USEP	Unused Step															
	SoAh	Soak															
	WdE	Wait-for-Event															
	WdPr	Wait-for-Process															
	WdBo	Wait-for-Both															
	JL	Jump Loop															
	End	End															
	CLoT	Wait-for-Time															
	t	Time	32		0	0	0									Off	Off
	RAEE	Rate			Rate per min >>>>												
Purpose for this step:			Ramp temperature to 32°F as quick as the system will allow. Event out 1 and 2 not used.														

Completed example for EZ-ZONE PM - Profile 1					Follow the row for step type and enter your settings in yellow boxes												
Step	Step Type Abbrev.	Step Type	Target SP 1	Target SP 2	Time or Rate			Day of Week	Jump Step	Jump Count	Wait Event 1	Wait Event 2	Wait Process Instance	Wait Proc 1	End Type	Event 1	Event 2
					Hours	Minutes	Seconds										
		circle one	-1999 to 9999	-1999 to 9999	0-99	0-59	0-59		1-6	0-9999	oFF/on /nonE	oFF/on /nonE	1 or 2	-1999 to 9999	USER/ HoLd/ oFF	oFF/ on	oFF/ on
7	<u>USEP</u>	Unused Step															
	<u>SoAh</u>	Soak															
	<u>WdE</u>	Wait-for-Event															
	<u>WdPr</u>	Wait-for-Process											1	32		Off	Off
	<u>WdBo</u>	Wait-for-Both															
	<u>JL</u>	Jump Loop															
	<u>End</u>	End															
	<u>CLoT</u>	Wait-for-Time															
	<u>t</u>	Time															
	<u>rAtE</u>	Rate		Rate per min >>>>>													
Purpose for this step:			Wait until 32°F has been reached before moving to next step. Event out 1 and 2 not used.														
Step	Step Type Abbrev.	Step Type	Target SP 1	Target SP 2	Time or Rate			Day of Week	Jump Step	Jump Count	Wait Event 1	Wait Event 2	Wait Process Instance	Wait Proc 1	End Type	Event 1	Event 2
					Hours	Minutes	Seconds										
		circle one	-1999 to 9999	-1999 to 9999	0-99	0-59	0-59		1-7	0-9999	oFF/on /nonE	oFF/on /nonE	1 or 2	-1999 to 9999	USER/ HoLd/ oFF	oFF/ on	oFF/ on
8	<u>USEP</u>	Unused Step															
	<u>SoAh</u>	Soak			1	0	0									Off	Off
	<u>WdE</u>	Wait-for-Event															
	<u>WdPr</u>	Wait-for-Process															
	<u>WdBo</u>	Wait-for-Both															
	<u>JL</u>	Jump Loop															
	<u>End</u>	End															
	<u>CLoT</u>	Wait-for-Time															
	<u>t</u>	Time															
	<u>rAtE</u>	Rate		Rate per min >>>>>													
Purpose for this step:			Maintain temperature for 1 hours, 0 minutes and 0 seconds. Event out 1 and 2 not used.														


Completed example for EZ-ZONE PM - Profile 1					Follow the row for step type and enter your settings in yellow boxes												
Step	Step Type Abbrev.	Step Type	Target SP 1	Target SP 2	Time or Rate			Day of Week	Jump Step	Jump Count	Wait Event 1	Wait Event 2	Wait Process Instance	Wait Proc 1	End Type	Event 1	Event 2
					Hours	Minutes	Seconds										
					circle one	-1999 to 9999	-1999 to 9999										
9.	USEP	Unused Step															
	SoAh	Soak															
	WdE	Wait-for-Event															
	WdPr	Wait-for-Process															
	WdBo	Wait-for-Both															
	JL	Jump Loop						1	14							Off	Off
	End	End															
	CLoL	Wait-for-Time															
	Et	Time															
	rAEE	Rate			Rate per min >>>>>												
Purpose for this step:			Repeat steps 1 to 9, fourteen more times for a total of 15. Event out 1 and 2 not used.														
10.	USEP	Unused Step															
	SoAh	Soak															
	WdE	Wait-for-Event															
	WdPr	Wait-for-Process															
	WdBo	Wait-for-Both															
	JL	Jump Loop															
	End	End													Off	Off	Off
	CLoL	Wait-for-Time															
	Et	Time															
	rAEE	Rate			Rate per min >>>>>												
Purpose for this step:			End profile and set control mode to off. Chamber will drift to ambient temperature as there is no control.														







Programming Sample Profile (P1)

Profile 1 - Step 1:






1. Press and hold the Advance Key  to enter the profile page. 1 will appear in the red display and P1 in the green display. The 1 indicates the first step in profile 1.
2. Press the Advance Key . Use the up or down arrow keys to display t, in the red display for Time and STEP for Step Type in the green display.
3. Press the Advance Key . Use the up or down arrow keys to set the temperature to 440 in the red display and TEMP in the green display for Target Set Point.
4. Press the Advance Key . Use the up or down arrow keys to display 1 in the red display and hour in the green display for 1 hour of ramp time.
5. Press the Advance Key . Use the up or down arrow keys to display 0 in the red display and min in the green display for 0 minutes of ramp time.
6. Press the Advance Key . Use the up or down arrow keys to display 0 in the red display and SEC in the green display for 0 seconds of ramp time.
7. Press the Advance Key . Use the up or down arrow keys to display OFF in the red display and Ent1 in the green display for Event 1 to be off in this step. Your application is not using the event output functions.
8. Press the Advance Key . Use the up or down arrow keys to display OFF in the red display and Ent2 in the green display for Event 2 to be off in this step. Your application is not using the event output functions.
9. Press the Infinity Key . This exits the step just programmed.




Profile 1 - Step 2:

1. Press up key to increment to next step number. 2 will appear in the red display and P1 in the green display. The 2 indicates the second step in profile 1.
2. Press the Advance Key . Use the up or down arrow keys to display Soak in the red display for Soak and STEP for Step Type in the green display.







3. Press the Advance Key . Use the up or down arrow keys to display 2 in the red display and hour in the green display for 2 hours of soak time.
4. Press the Advance Key . Use the up or down arrow keys to display 0 in the red display and min in the green display for 0 minutes of soak time.
5. Press the Advance Key . Use the up or down arrow keys to display 0 in the red display and SEC in the green display for 0 seconds of soak time.
6. Press the Advance Key . Use the up or down arrow keys to display OFF in the red display and Ent 1 in the green display for Event 1 to be off in this step. This example application is not using the event output functions.
7. Press the Advance Key . Use the up or down arrow keys to display OFF in the red display and Ent 2 in the green display for Event 2 to be off in this step. This example application is not using the event output functions.
8. Press the Infinity Key . This exits the step just programmed.

Profile 1 - Step 3:


1. Press up key to increment to next step number. 3 will appear in the red display and P 1 in the green display. The 3 indicates the third step in profile 1.
2. Press the Advance Key . Use the up or down arrow keys to display t, in the red display for Time and STEP for Step Type in the green display.
3. Press the Advance Key . Use the up or down arrow keys to set the temperature to 425 in the red display and TEMP in the green display for target set point.
4. Press the Advance Key . Use the up or down arrow keys to display 0 in the red display and hour in the green display for 0 hours of ramp time.
5. Press the Advance Key . Use the up or down arrow keys to display 0 in the red display and min in the green display for 0 minutes of ramp time.
6. Press the Advance Key . Use the up or down arrow keys to display 0 in the red display and SEC in the green display for 0 seconds of ramp time.







7. Press the Advance Key . Use the up or down arrow keys to display oFF in the red display and Ent 1 in the green display for Event 1 to be off in this step. This example application is not using the event output functions.
8. Press the Advance Key . Use the up or down arrow keys to display oFF in the red display and Ent 2 in the green display for Event 2 to be off in this step. This example application is not using the event output functions.
9. Press the Infinity Key . This exits the step just programmed.

Profile 1 - Step 4:






1. Press up key to increment to next step number. 4 will appear in the red display and P 1 in the green display. The 4 indicates the fourth step in profile 1.
2. Press the Advance Key . Use the up or down arrow keys to display LUPr in the red display for Wait-for-Process and SEYP for Step Type in the green display.
3. Press the Advance Key . Use the up or down arrow keys to display 1 in the red display for Instance 1 and LUP, in the green display for Wait for Process Instance which is sensor 1.
4. Press the Advance Key . Use the up or down arrow keys to display 425 in the red display and LUP 1 in the green display for Wait-for-Process 1. This means to wait on this temperature to be met before proceeding.
5. Press the Advance Key . Use the up or down arrow keys to display oFF in the red display and Ent 1 in the green display for Event 1 to be off in this step. This example application is not using the event output functions.
6. Press the Advance Key . Use the up or down arrow keys to display oFF in the red display and Ent 2 in the green display for Event 2 to be off in this step. This example application is not using the event output functions.
7. Press the Infinity Key . This exits the step just programmed.




Profile 1 - Step 5:

1. Press up key to increment to next step number. 5 will appear in the red display and P 1 in the green display. The 5 indicates the fifth step in profile 1.
2. Press the Advance Key . Use the up or down arrow keys to display Soak in the red display for Soak and SEYP for Step Type in the green display.







3. Press the Advance Key . Use the up or down arrow keys to display 1 in the red display and hoUr in the green display for 1 hour of soak time.
4. Press the Advance Key . Use the up or down arrow keys to display 0 in the red display and 07.in in the green display for 0 minutes of soak time.
5. Press the Advance Key . Use the up or down arrow keys to display 0 in the red display and 5EC in the green display for 0 seconds of soak time.
6. Press the Advance Key . Use the up or down arrow keys to display oFF in the red display and Ent1 in the green display for Event 1 to be off in this step. This example application is not using the event output functions.
7. Press the Advance Key . Use the up or down arrow keys to display oFF in the red display and Ent2 in the green display for Event 2 to be off in this step. This example application is not using the event output functions.
8. Press the Infinity Key . This exits the step just programmed.

Profile 1 - Step 6:


1. Press up key to increment to next step number. 6 will appear in the red display and P1 in the green display. The 6 indicates the sixth step in profile 1.
2. Press the Advance Key . Use the up or down arrow keys to display t. in the red display for Time and STEP for Step Type in the green display.
3. Press the Advance Key . Use the up or down arrow keys to set the temperature to 32 in the red display and TEMP in the green display for target set point.
4. Press the Advance Key . Use the up or down arrow keys to display 0 in the red display and hoUr in the green display for 0 hours of ramp time.
5. Press the Advance Key . Use the up or down arrow keys to display 0 in the red display and 07.in in the green display for 0 minutes of ramp time.
6. Press the Advance Key . Use the up or down arrow keys to display 0 in the red display and 5EC in the green display for 0 seconds of ramp time.








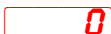








7. Press the Advance Key . Use the up or down arrow keys to display oFF in the red display and Ent 1 in the green display for Event 1 to be off in this step. This example application is not using the event output functions.
8. Press the Advance Key . Use the up or down arrow keys to display oFF in the red display and Ent 2 in the green display for Event 2 to be off in this step. This example application is not using the event output functions.
9. Press the Infinity Key . This exits the step just programmed.

Profile 1 - Step 7:







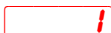











1. Press up key to increment to next step number. 7 will appear in the red display and P 1 in the green display. The 7 indicates the seventh step in profile 1.
2. Press the Advance Key . Use the up or down arrow keys to display LUP r in the red display for Wait-for-Process and SEYP for Step Type in the green display.
3. Press the Advance Key . Use the up or down arrow keys to display 1 in the red display and LUP 1 in the green display for Wait for Process Instance 1 which is sensor 1.
4. Press the Advance Key . Use the up or down arrow keys to display 32 in the red display and LUP 1 in the green display for Wait-for-Process 1. This means to wait on this temperature to be met before proceeding.
5. Press the Advance Key . Use the up or down arrow keys to display oFF in the red display and Ent 1 in the green display for Event 1 to be off in this step. This example application is not using the event output functions.
6. Press the Advance Key . Use the up or down arrow keys to display oFF in the red display and Ent 2 in the green display for Event 2 to be off in this step. This example application is not using the event output functions.
7. Press the Infinity Key . This exits the step just programmed.

Profile 1 - Step 8:






1. Press up key to increment to next step number. 8 will appear in the red display and P 1 in the green display. The 8 indicates the eighth step in profile 1.
2. Press the Advance Key . Use the up or down arrow keys to display Soak in the red display for Soak and SEYP for Step Type in the green display.

3. Press the Advance Key . Use the up or down arrow keys to display  in the red display and  in the green display for 1 hour of soak time.
4. Press the Advance Key . Use the up or down arrow keys to display  in the red display and  in the green display for 0 minutes of soak time.
5. Press the Advance Key . Use the up or down arrow keys to display  in the red display and  in the green display for 0 seconds of soak time.
6. Press the Advance Key . Use the up or down arrow keys to display  in the red display and  in the green display for Event 1 to be off in this step. This example application is not using the event output functions.
7. Press the Advance Key . Use the up or down arrow keys to display  in the red display and  in the green display for Event 2 to be off in this step. This example application is not using the event output functions.
8. Press the Infinity Key . This exits the step just programmed.







Profile 1 - Step 9:

1. Press up key to increment to next step number.  will appear in the red display and  in the green display. The 9 indicates the ninth step in profile 1.
2. Press the Advance Key . Use the up or down arrow keys to display  in the red display for Jump Loop and  for Step Type in the green display.
3. Press the Advance Key . Use the up or down arrow keys to display  in the red display for Jump Step value and  for Jump Step in the green display.
4. Press the Advance Key . Use the up or down arrow keys to display  in the red display for Jump Count value and  in the green display for Jump Count. This means to repeat the previous steps 14 more times.
5. Press the Advance Key . Use the up or down arrow keys to display  in the red display and  in the green display for Event 1 to be off in this step. This example application is not using the event output functions.
6. Press the Advance Key . Use the up or down arrow keys to display  in the red display and  in the green display for Event 2 to be off in this step. This example application is not using the event output functions.
7. Press the Infinity Key . This exits the step just programmed.




Profile 1 - Step 10:

1. Press up key to increment to next step number. 10 will appear in the red display and P1 in the green display. The **10** indicates the tenth step in profile 1.
2. Press the Advance Key . Use the up or down arrow keys to display End in the red display for End and STEP for Step Type in the green display.
3. Press the Advance Key . Use the up or down arrow keys to display off in the red display and End in the green display for End the profile and set the control mode to off.
4. Press the Advance Key . Use the up or down arrow keys to display off in the red display and Ent1 in the green display for Event 1 to be off in this step. This example application is not using the event output functions.
5. Press the Advance Key . Use the up or down arrow keys to display off in the red display and Ent2 in the green display for Event 2 to be off in this step. This example application is not using the event output functions.
6. Press the Infinity Key  for two seconds. This exits the profile page.

Starting a Profile from the Home Page

1. When at the Home Page, press the Advance Key  to locate Profile Start and select the file or step number to start. The upper display will show 1 and the lower display will show PSt1.
2. Press the Up  or Down  key to choose the file or step number.
3. Press the Advance Key  to select the Profile Action Request. The upper display will show none and the lower display will show PAC1.
4. Press the Up  or Down  keys to select the Profile Start. The upper display will show Prof and the lower display will show PAC1.
5. Press the Infinity Key to return Home. The Profile will Start.

Ending a Profile from the Home Page

1. Press the Advance Key  to select the Profile Action Request. The upper display will show [none] and the lower display will show PAC1.
2. Press the Up  or Down  keys to select the End. The upper display will show End and the lower display will show PAC1.
3. Press the Infinity Key to return Home. The Profile will End.