



Programming Guide for TTM-339

1. First set the number of patterns required for the process. PRESS & HOLD the MODE button for 3 seconds until the display shows SET01. Tap the MODE button once and the display will show PAT , then press the up arrow to change the number of patterns required. The unit will automatically divide the 99 available steps into the number of patterns selected.
2. Press the MODE button once more and the unit will display PvSv, this is where you select whether the instrument will start from the current Process Value or a specific preset Set Value. Once these settings are selected press and hold the MODE button for 3 seconds to exit the set menu.

Setting of The Program

3. Press the DSP.CHG button once and the unit will display PAT T 1 , press the up or the down arrow to select the desired pattern and press the MODE button to enter the pattern.
4. The Unit will display Sv 1, this is the first set point of the process eg. 800 °C. Press the up arrow button to adjust the temperature. Once the set point has been selected press the MODE button again.
5. The unit will display t 1, this is the time in which you wish the controller reach the previously selected set value. Eg: 2 hours = t 1 -2:00
6. To add multiple steps simply repeat steps 4 & 5.
7. For soak points, eg: you wish to climb to 800 °C and hold for 3 hours. Simply repeat the previous set point value and then give a time in the next time setting for the soak period.
EG: SV1= 400°C T1=1:00, SV2=400°C T2=2:00. These settings would result in the controller climbing to 400°C in 1 hour and then soaking for 2 Hours.
8. Once you have completed your program you may end it if you have not used all the steps available by selecting the last SV setting and pressing the down arrow until a dash appears. This means the program will end after the previous step.
9. After you have set this Press the MODE button and RNC will be displayed. This is the run count setting. This will tell the unit how many times you wish to repeat the program. It can be run 1-99 times.
10. Once your program and all parameters have been set simply press the reset button to return to the home screen. Press and hold the RUN/STOP key for 3 seconds and the program will begin running. To advance to program simply press and hold the UP arrow for 3 seconds.
11. To change the pattern you wish to run, make sure the program has been stopped (press and hold the RUN/STOP button for 5 seconds to do so) . Press the DSP/CHG button and PAT will be displayed, press the UP or DOWN arrow to select the pattern you wish to run. Once the pattern is set in the lower window simply press the reset button and it will be set as the default pattern when the RUN/STOP key is pressed.

