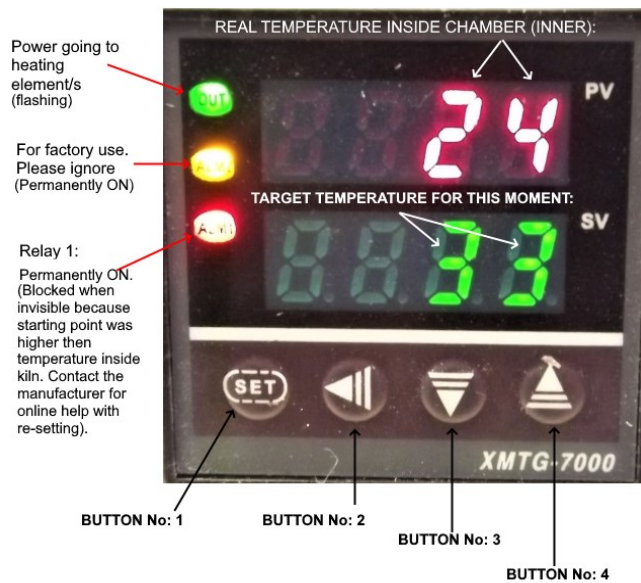


WORK WITH XMTG-7000 PROGRAMMABLE TEMPERATURE CONTROLLER: USEFUL TIPS FOR BEGINNERS

This programmable temperature controller is usually already pre-settled by the manufacturer for chamber drying purpose (unless the customer asked for other program). If you want to re-program it please refer instructions below:

PIC.1: MAIN INFORMATION ABOUT XMTG-7000 PROGRAMMABLE CONTROLLER:



1. "SET" - setting/confirmation button. To be used for setting all controller's parameters.
2. "Arrow Left" or "A/M"- segment's selector (to choose any of the four segments).
3. "Arrow Down" - value decrement (Used to set up a required temperature).
4. "Arrow Up" - value increment (Used to set up a required temperature).

PLEASE NOTE: this is popular EASY-TO-PROGRAM temperature controller that you can program at any time for work with any type of materials. Because of easy programming (in seconds) it can remember only one (last) program at a time.

IMPORTANT! If your kiln will not start program when will turned On it may means that STARTING POINT (temperature) on first segment C-01 (on SV line) is HIGHER then real temperature (on PV line) that is INCORRECT. The Starting Point (C-01) ALWAYS should be LOWER then temperature inside chamber/inner. This is

why the manufacturer pre-set starting point C-01 = 0005 (5 C) because many people using their kilns outside of house or in cold workshops. Especially in morning time or in winter time.

For example: from workshop temperature ramp up to 450 C in 120 minutes (mins), soak this temperature 4 mins, ramp up again to 945 C in 40 mins, soak this temperature 20 mins, ramp down to 722 C in 60 mins. Soak this temperature 25 mins and OFF your program to cool kiln down as quick as possible automatically:

1. Press and hold 3 seconds button 4 till you will see on bottom line **GREEN** sign "STOP". This'll allow you to disconnect the power supply from heating element/s on your kiln for avoiding heating firing objects inside kiln during all re-programming process.
2. "Click" on "SET" button to see on TOP line of controller "C-01" (First segment of the 32 segments in total. C = Celsius) and inter on the BOTTOM line starting temperature/point (usually = 5 C) - 0005. Now press "SET" for save this parameter and for moving to the «r-01» ("r" = "T" = TIME segment - in minutes) to pre-set required TIME for reaching NEXT required temperature (450 C). To do this input on the BOTTOM line (using buttons 2,3 and 4) "0120" (120 minutes) and press SET again for remember new setting and going to next step "C-02". Now inter the required temperature "0450" on bottom line and press "SET" again to go to "r-02" for pre-setting soaking time = 0004 (4 minutes). Press "SET" again for confirming soaking temperature "0450" on segment "C-03". Press "SET" again for pre-setting time (r-03 = 0040) for ramping up to 945 C and press SET again for pre-setting this required temperature (C-04 = 0945). Press "SET" again for soak this temperature for 20 mins (r-04 = 0020) and press "SET" again for confirming the soaking temperature (C-05 = 0945). Press "SET" again for ramping down to 722C in 60 minutes (r-05 = 0060) and press "SET" again for interring target temperature (C-06 = 0722). Now inter soaking time for this parameter (r-06 = 0025) and press "SET" again for confirming soaking temperature (C-07 = 0722). Stopping your program and cooling down automatically inter in "r-07" segment "0000". Your program will finish automatically as soon as last parameter will be reached. That's it! Now you can use this controller for hundreds of different programs. Easy as is.
3. When re-programming was finished just twice clock on the "SET" button again leave controller on 20-30 seconds - it will remember all parameters and back to main screen with "STOP" sign on it automatically.
4. For starting your new program: press and 3 seconds HOLD Button No:3 till you'll see the sign "Run" or just starting point (0005) on bottom line of controller. Or just re-start your kiln. Each time you will turn it ON your kiln - the last program will starts automatically.
5. Important for beginners: you'll have about 20-30 seconds only for changing digits on EACH segment. Exceeding this time without changing any DIGIT causing controller's return to his main screen. If it's happen just re-start the re-programming process again by pressing and holding "SET" button again for 3 seconds. You can do it as many times as you need.
6. For your satisfaction: for quick changing temperatures or time please use Button No:2 for changing digits on required segment from right to left (required segment will starts flashing).
7. You can find detailed information about this controller settings and all its functions in the controller's user manual online. But the Manufacturer do not recommend to change the default settings (except new heating programs) as it can cause loss of the factory setting data and, as a result, may require full re-setting and/or re-calibration of the controller, which is **NOT COVERED BY THE MANUFACTURER'S WARRANTY.**