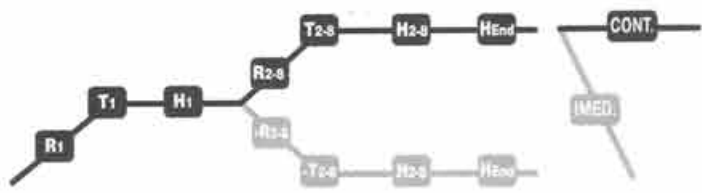




**MULTI
STAGE**

MAIN DISPLAY



model MS 8



STEP BY STEP SHORTENED OPERATING INSTRUCTIONS FOR MS8 CONTROLLER

1. ADJUST THE CALENDAR

1. Press (CALENDAR). The Main Display will show ADJ DAY and its value.
2. Change value, using (+), or (-) pads.
3. Press (ENTER).
4. Repeat steps 2-3 for HOURS, MINUTES, MONTHS and YEARS. Finally the MAIN DISPLAY will return to ordinary STOP state showing updated time. Remember, that YEARS are displayed in shortened form, i.e. only two last digits are shown (for year 1999 adjust to 99, for 2000 adjust to 00).

2. SELECT THE PROGRAM NUMBER AND THE NUMBER OF STAGES

1. Press PROG / STAGE.
2. Change program number using (+) or (-) to reach the desired number (1 to 15).
3. Press ENTER to confirm the program number.
4. Press (+) or (-) to select the desired number of stages (1-8) for just selected program.
5. Press ENTER to confirm the value.

3. PROGRAM THE HEATING PARAMETERS

1. Press ENTER. The MAIN DISPLAY will show R1 C/M.
2. Press (+) or (-) to reach the desired heat rate R1 (C/M).
3. Press ENTER. The MAIN DISPLAY will show T1 (C°).
4. Press (+) or (-) to reach the desired temperature.
5. Press ENTER. The MAIN DISPLAY will show H1.
6. Press (+) or (-) to reach the desired soak time H1.
7. Press ENTER and continue this procedure for other stages. The last parameter is H END. Program it for 0000 or look for details in the instruction manual for other options. When the programming is completed, the MAIN DISPLAY will show actual temperature and time.

4. PROGRAM THE DATE OF CYCLE COMPLETION

- Program this value only if you wish to finish the program by specifying day and time of program end (max 4 days).
1. Press the (END CYCLE DATE). The MAIN DISPLAY will show " SET DAY " message and its value.
 2. Press (+), or (-) to change the required day. When required day is reached, please confirm by pressing ENTER .
 3. Repeat the same procedure for HOURS and MINUTES. Check that after last ENTER, the MAIN DISPLAY returns to STOP mode and shows special mark ^ in between temperature and time. If for some reason, you wish to cancel this mode (^ displayed), press START, and after a second, press STOP (Another way to do this: just switch Power Off).

5. START THE FIRING CYCLE

1. Press (START) pad. The MS8-CONTROLLER will respond by short BEEP. The MAIN DISPLAY will show the actual temperature, and the value of the actual TIME will interchange with REMAINING TIME, i.e. the time remained to the cycle end. Once you started the cycle - the furnace will heat up, until reaching its end. The rotating bar in the center of the MAIN DISPLAY will show that the firing cycle is running.

6. COMPLETE THE FIRING CYCLE

- In the Continuous Mode (programs 1-9):
In this mode, the controller continues the process after the last stage will complete, keeping constant the last temperature. The main display will show the END message and two rotating bars. The alarm will buzz about 60 seconds. After 5 and 10 minutes it will buzz again. You can stop the buzzer by pressing BUZZER OFF button.
- In the IMMEDIATE MODE (only for programs 10-14). In this mode, after the last stage, the controller stops the cycle, entering the STOP state. WORK COMPLETE: Press the STOP button and shut down the power switch.

CAUTION ! VERY IMPORTANT !

In any case of assembly/disassembly of the control panel (or other modules of the furnace),
DISCONNECT FIRST the AC POWER SOURCE.