

Bakery Deck Oven Controller User Manual

EURO STAR 2000

Contents

1. Set to temperature and time
2. Set to steam spout time
3. Set to steam Hi, Mid, Lo
4. Set to lamp operating time
5. Programing recipe
6. Set to heater (top/bottom) output level
7. Set to timer and operating
8. Recipe programing
9. Confirmation recipe program



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Set to temperature and time

01

1. Set to top heater temp.
-press to entry to setting enable mode
-seto to target temp. use
-press then finish
2. Set to timer
-press to enter to setting timer enable mode
-seto to target temp. use
-press then finish
3. Set to bottom heater temp.
-press to entry to setting enable mode
-seto to target temp. use
-press then finish



Set to steam spout time

02

1. Press to entry to setting enable mode
2. Press then display "STEM" "TIME" at top display windows
3. Set to target time use and then press for finish
4. Press for return to operating mode after finish



Set to steam Hi. Mid. Lo

03

1. Press to entry to setting enable mode
2. Press then display "SVL" at top display windows. Set to low steam temp. use and then press for finish
3. Press then display "SVM" at top display windows. Set to mid. steam temp. use and then press for finish
4. Press then display "SVH" at top display windows. Set to high steam temp. use and then press for finish
5. Press for return to operating mode after finish



Set to lamp operating time

04

1. Press to entry to setting enable mode
2. Press then display "LAMP" "TIME" at top display windows



- Set to target time use and then press for finish
- Press for return to operating mode after finish



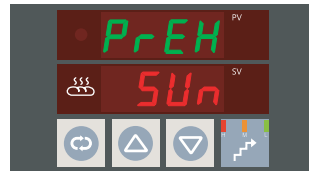
Daily recipe programing

05

- Press to entry to setting enable mode



- Press then display "PREH" at top display windows



- Set to working start time use and then press for next day of the week (start set from Sunday)



- Press and then display time of the next day.



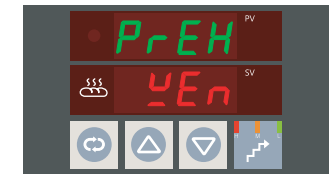
start working at
6 am on Sunday



start working at
6 am on Monday



start working at
6 am on Tuesday



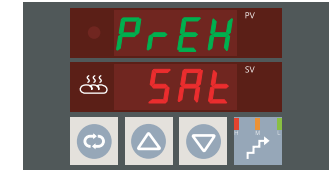
start working at
6 am on Wednesday



start working at
6 am on Thursday



start working at
6 am on Friday



start working at
6 am on Saturday





- Press for return to operating mode after finish

Set to heater output level



06

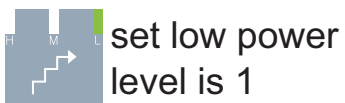
- Press to entry to setting enable mode



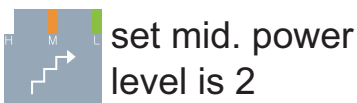
- Press  then display "LEVL" at top display windows
- Set to power of low output and press  (setting range is each 1~10)



- Press  then enable setting to power of middle output. High output setting is also same.
- Press  for return to operating mode after finish



set low power level is 1








set mid. power level is 2



set high power level is 3

Set to timer and operating

07

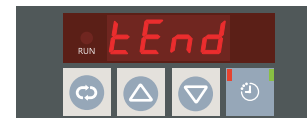
- After set to target temperature of top/bottom heater
- Press  and then enable time setting mode. Set to time use   and press  for finish.
- When start working, press  for timer start.



set time: 12 min. 30 sec.
(enable change time setting on working)



set time: 00 min. 00 sec.
(disable working)



working end then buzzer ON and display "TEND" on window
(press any key for restart working)

Recipe programing


08


- Need to check list before recipe program

Recipe 1~24		Recipe N	
Step 1		Step 5	Step 1~5
Top SV			set temp. of top
Bottom SV			set temp. of bottom
Top level			output level of top
Bottom level			output level of bottom
Steam spout			steam spout time
Steam level			steam out level
Run time			cooking time
Lamp			lamp

- Press  and then enable time setting mode.



3. Press , will be display "M1R1" and standby setting mode of 'Memory1 of Recipe 1'.

4. Select recipe no. (in case of memory in recipe 1, press )



5. Press  for select step 1.



6. Set temp. of top and bottom and set time.

7. Set output level of top/bottom.



8. Set lamp ON/OFF.



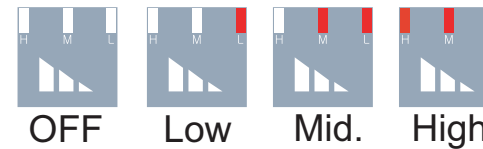
If your recipe needs only one point temp, memory 1 recipe 1 is done. But if you need more step, set below course.

9. Press  for select step 2.



10. Set temp. of top and bottom and set time.

11. Set output level of top/bottom.



12. Set lamp ON/OFF.



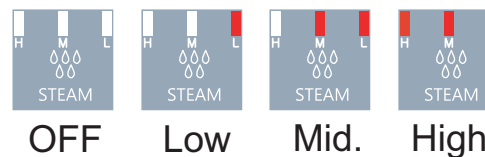
13. Set next step (to 5 step) same as above.

14. Set steam spout time and level at last.

15. Press  and set steam spout time and level.





16. Press  and set each level with change step.




(press  for return)

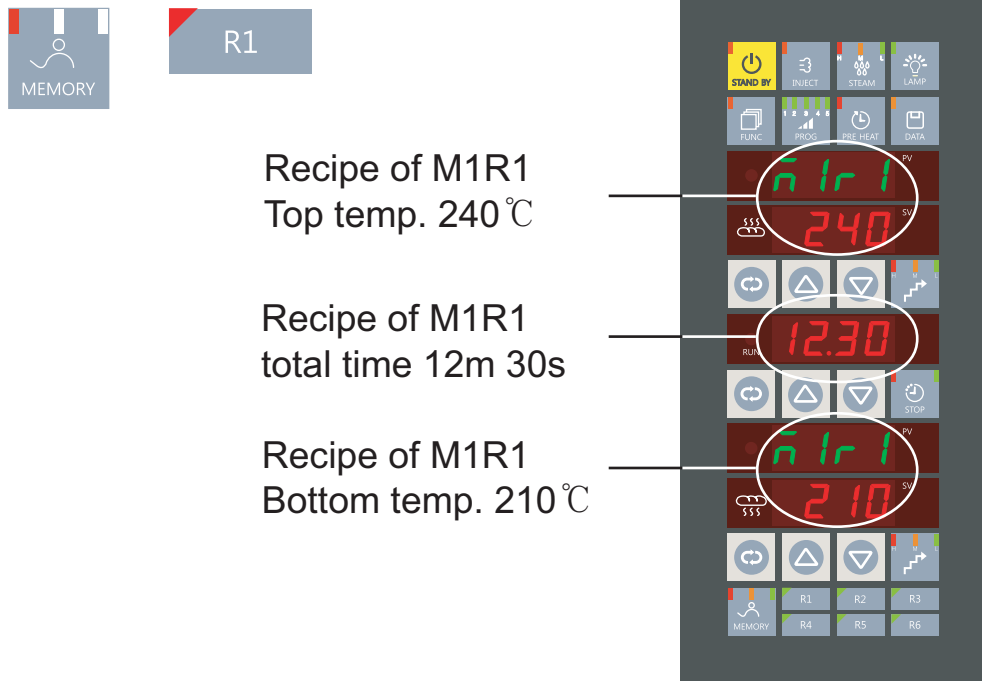



17. Press  and set each spout time with change step.
(press  for return)

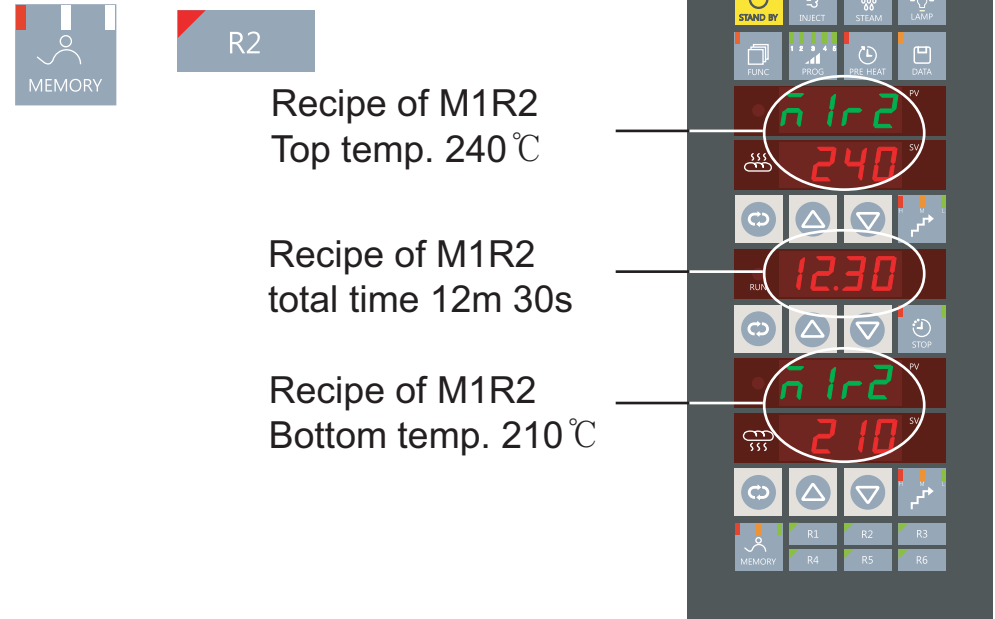


Confirmation recipe program 09

1. Confirmation at memory1 recipe 1.
AT timer OFF, press  then select to 'Memory1 Recipe1'.
Will be red LED "ON" same as below.



2. Confirmation at memory1 recipe 2.
Press  then select to 'Memory1 Recipe2'.
Will be red LED "ON" same as below.



※ Press  for confirmation each step program

Specification 10

Power	100-240Vac 50-60Hz
Power Consumption	10.0W Max.
Insulation Resistance	500Vdc 20MΩ between input and ground terminal
Dielectric Strength	2300Vac for 1 min. between input and ground terminal
Input	K(CA) Thermocouple or Pt1000Ω
Sampling Period	250ms
Resolution	1/10°C within measuring range
Impedance	1MΩ more (Thermocouple)
Accuracy	±0.1% (F.S)

Relay Contact Voltage 240Vac, 1A, 1a Relay contact (R load)
 ON: 24Vdc more (impedance 600Ω over)
 OFF: 0.1Vdc under

Alarm 240Vac, 1A, 1a Relay contact (R load)

Digital Output 240Vac, 1A, 1a Relay contact (R load)

Wiring

11

No	Section	Terminals	Function
1	Control Output	SSR 1 +	Top heater output
2		SSR 1 -	
3		SSR 2 +	Bottom heater output
4		SSR 2 -	
5		Relay	Steam heater output
6		Com	
7	Temp Alarm	Alarm 1	Alarm 1
8		Com	
9		Alarm 2	Alarm 2
10		Com	
11		Alarm 3	Alarm 3
12		Com	
13	Digital Output	DO 1	Sub output 1
14		DO 2	Sub output 2
15		DO 3	Sub output 3
16		DO 4	Sub output 4
17		DO 5	Sub output 5
18		Com	
19	HBA Alarm	CT 1 +	CT input 1
20		CT 1 -	
21		CT 2 +	CT input 2
22		CT 2 -	
23		CT 3 +	CT input 3
24		CT 3 -	

25	RS485	Tx +	RS485 interface
26		Tx -	
27		Rx +	
28		Rx -	
29			
30		SG	
31	Digital Input	DI 1	Sub input 1
32		DI 2	Sub input 2
33		DI 3	Sub input 3
34		DI 4	Sub input 4
35		DI 5	Sub input 5
36		Com	
37	Control Input 3	A	Sensor input 3
38		B (+)	
39		b (-)	
40	Control Input 2	A	Sensor input 2
41		B (+)	
42		b (-)	
43	Control Input 1	A	Sensor input 1
44		B (+)	
45		b (-)	

