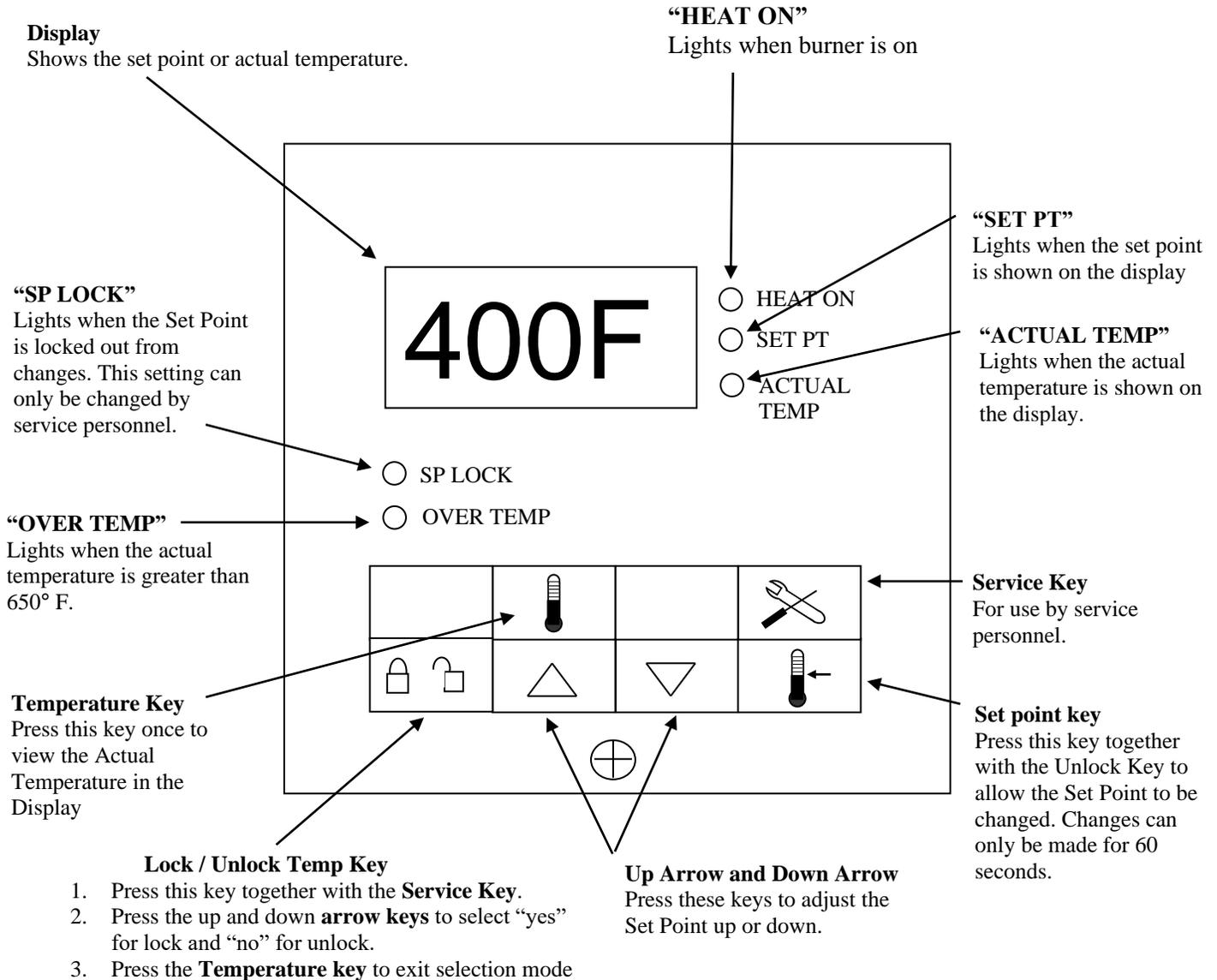


Honeywell DCBBC Oven Temperature Control Manual

Pizza Oven Replacement Including PS Ovens (PS200, PS360, PS570 ect)

1.0 Operator Interface and Key Functions



Initial Set-up

- The control set-point is initialized to 1 degree F (“1F”). When adjusting the set-point for the first time, press the up arrow until the desired temperature is reached.
- If the set-point is locked. Press **Unlock** key and **Service Key** at the same time. Then press the up and down **arrow keys** to select yes for lock and no for unlock. Press the **Temperature key** to exit

2.0 Configuration Electrical Connections

If you are replacing a Digital Middleby Controller (gray rubber or black plastic face) then simply exchange the control assembly from the front of the oven (single screw). If changing the complete control and housing, wire the control the same as the previous control. This does not apply to the blue colored digital or the analog Dialpack controls. If you are replacing an analog controller, refer to the Middleby document# 88210-0079 for retrofit wiring diagram.

If replacing a modulating or pulse controller, refer to document# 47321 for special setup instructions.

Important: This controller should only be used with the newer three wire Middleby thermocouple. If your oven has a two wire thermocouple you must replace it with a three wire flange style temperature probe.

8	T/C + White (Thermocouple)	9	Input Cool-down Relay
7	T/C - Red (Thermocouple)	10	Output Cool -down Relay
6	No Connection	11	Input High Limit Relay
5	Input Temperature Relay	12	Output High Limit Relay
4	Output Temperature to High Flame		* Note: All relays are rated for 10A of current.
L2	110VAC Neutral		
L1	110VAC Hot	15 +	Pins 15, 16 are for modulating oven systems. Call for PID setup instructions or reference Middleby document for service kit 47321
	Ground	16 -	

Error Code Description/Remedy

rPLC	Internal diagnostics failed. Reset control by cycling blower switch.
rSEt	Oven has not reached set point within 15 minutes. Burner may not be lighting. Restart heating system by cycling blower switch.
OPEn	Open in thermocouple circuit. Replace thermocouple.
r t C	Polarity of thermocouple leads are reversed. Or thermocouple is bad. Swap thermocouple wires (Note: J thermocouple red wire is negative)

Honeywell DCBBC Digital Temperature Control

NOTICES AND DISCLAIMER

Warning: Before performing any service work, THE ELECTRICAL POWER AND GAS MUST BE TURNED OFF. The installer and user must reference the latest Middleby service manuals for complete installation and operation instructions.

Important Installation Notice: This controller should **only** be used with the newer three wire ®Middleby thermocouple. If your oven has a two wire thermocouple you must replace it with a three wire flange style temperature probe. The extra shield wire reduces electrical noise entering the temperature control. Excess electrical noise can cause the controller to malfunction or function erratically.

Safety Notice: Oven manufactures are now required to use independent high limit devices on all new conveyor ovens. This device provides redundancy to the temperature control. If the temperature control or thermocouple should fail, the high limit device turns off the heat source. This added safety device can prevent catastrophic damage to the oven and property. We highly recommend that a high limit be added to all older ovens. A mechanical high limit can be purchased for as little as \$25.

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DISCLAIMER AND LIMITATION OF WARRANTIES: *The distributor and resellers of this product, disclaim any and all warranties, beyond what is expressed by the manufacture (Honeywell International USA). The distributor and resellers will administrate the manufacture's warranties, but they will not be responsible for any loss or damages. This limitation voids all warranties that may be expressed or implied, including, without limitation, warranties of merchantability and fitness for a particular purpose.* Under no circumstances shall the distributor/resellers or any of its employees, directors, officers, or agents, be liable for any direct or indirect losses or damages arising from or related to any product purchased, whether such damages are general, special, consequential, incidental, economic, exemplary or otherwise (including but not limited to damage or injuries to persons and property), whether in tort or contract, even if an employee, director, officer, or agent has been advised of or should have known of the possibility of such damages, and notwithstanding any representation of any employee, director, officer or agent of the contrary.

This safety notice must remain with the product as a reference for the installation and use of the product.

Setting Control to Modulating - PID Mode (Later models)

