**Operation Procedure for OVEN1**  
*Keison Carbolite LHT6/30 High Temperature Oven*  

**Start Up**
1. Fill out appropriate information on the logsheet attached to the oven  
2. Toggle green switch on front of oven and watch for controller to power on and listen for the circulation fans to turn on  
3. Turn on the nitrogen flow (if desired) using the regulator located on the wall to the right of the oven  
4. *Note: on the controller the chamber temperature is the top display and the setpoint is the lower display*  
5. *Note: Use extreme caution when operating the oven, as very high temperatures are present. Items should not be loaded or unloaded into the oven unless the oven and the items inside are cool.*

**Operation in Manual Mode**
1. After powering the oven “on” **press and hold** the “Run/Hold” button (located to the left of the Run and Hold lights on the controller) for 2 seconds. This puts the controller in to reset mode where it behaves as a simple controller.  
2. Press the down and up arrows (▼ & ▲) at the bottom of the controller to change the temperature setpoint.  
3. The **OP1** light will illuminate when the controller is calling for heat to be applied.

**Operation in Automatic/Program Mode**
1. The oven can be run with a program of up to 8 segments (including ramp and dwell)  
2. After powering the oven “on” **press and hold** the “Run/Hold” button (located to the left of the Run and Hold lights on the controller) for 2 seconds. This puts the controller in to reset mode. It is necessary to be in this mode before attempting to program the controller  
3. Follow the programming instructions located near the oven to set up an automatic program using the controller unit.  
4. Be sure to program in the last step to cool the oven back down before attempting to remove items from it.  
5. Leave the basic setpoint at 0 to avoid unexpected heating at the end of a program.

**Finishing**
1. Be sure to allow the oven to cool before attempting to remove items from it so to reduce the chance for burns  
2. Change the basic setpoint back to 0 to allow for cool down.  
3. **NOTE: DO NOT power off the oven with the temperature above 300°C as this turns off the cooling fans and can lead to equipment damage**  
4. After cool down and removing baked items, toggle the green power switch off  
5. Turn off the nitrogen flow if used

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Revision 2  
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