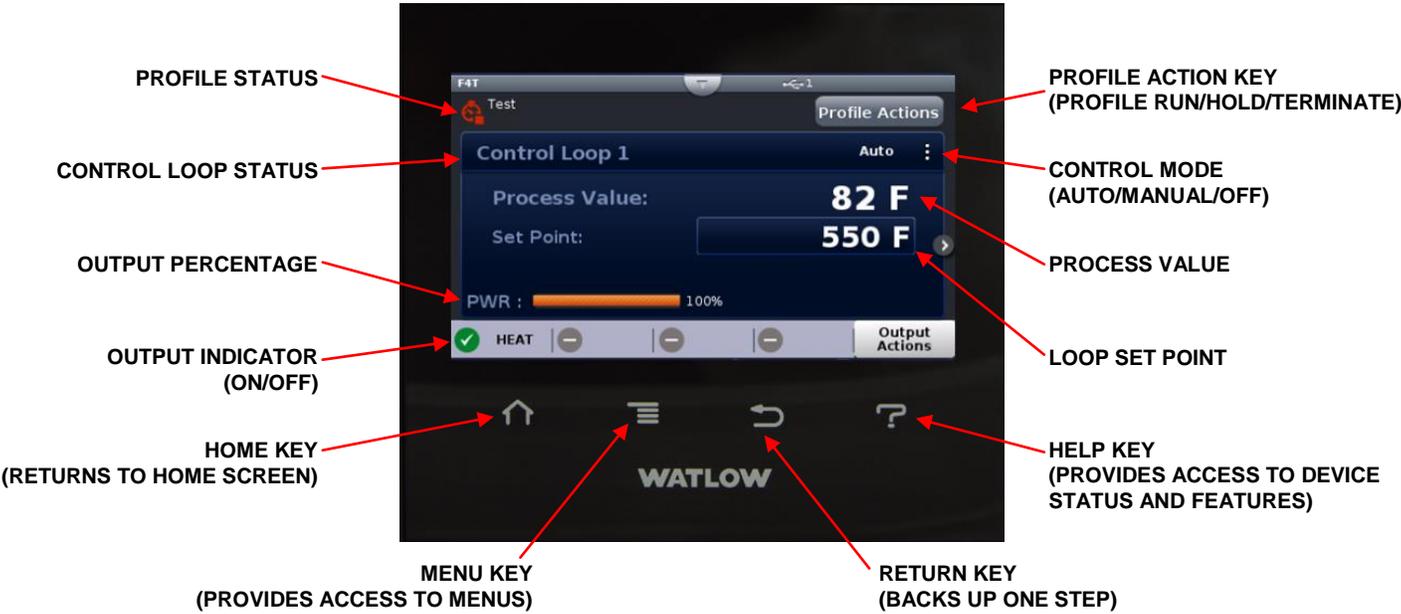


### WATLOW F4T KEYS

#### HOME SCREEN



#### MENU SCREEN



**A. BASIC OPERATION**

1. If you ever reach a point on the controller where you do not want to be, press **HOME** key to return to the Home Screen.
2. If the **PROFILE STATUS** indicator is green, a profile is running. If it is off, or no indicator is shown, no profile is running.

**B. STATIC SET POINT OPERATION**

1. To change the oven set point, touch the **LOOP SET POINT**, enter the desired value and press **ENTER**.

**C. RUNNING A PROFILE**

1. To run a profile, touch the **PROFILE ACTION** key and select **RUN PROFILE**.
2. Press the **ACTION** button next to the desired profile and select **RUN PROFILE**.
3. The **PROFILE STATUS** indicator will turn green and profile name and step will be displayed.

**D. TO TERMINATE A PROFILE**

1. To terminate a profile, touch the **PROFILE ACTION** key and select **TERMINATE**.
2. The **PROFILE STATUS** indicator will turn red to indicate the profile has been terminated.

**E. VIEW PID SETTINGS**

1. Press the **MENU** key.
2. Touch **OPERATIONS**.
3. Touch **CONTROL PID LOOPS**.
4. Touch **CONTROL LOOP 1**.
5. Scroll down until you see the setting "PID 1". Press the **CHANGE** button to view the PID settings.
6. Once complete, press the **HOME** key to return to the Home Screen.

**F. HOW TO AUTOTUNE****\*\*\*NOT REQUIRED FOR NORMAL OPERATION**

1. Press the **MENU** key.
2. Touch **OPERATIONS**.
3. Touch **CONTROL PID LOOPS**.
4. Touch **CONTROL LOOP 1**.
5. Scroll down until you see the setting "AUTOTUNE". Change the setting from "NO" to "YES".
6. Press the **HOME** key to return to the Home Screen. The controller will now perform an Autotune.

## **G. CHANGE TEMPERATURE UNITS**

### **\*\*\*NOT REQUIRED FOR NORMAL OPERATION**

1. Press the **MENU** key.
2. Touch **SETTINGS**.
3. Touch **GLOBAL**.
4. Scroll down until you see the setting “TEMPERATURE UNITS”. Change the setting as required.
5. Press the **HOME** key to return to the Home Screen.

## **H. CHANGE SET POINT LIMITS**

### **\*\*\*NOT REQUIRED FOR NORMAL OPERATION**

1. Press the **MENU** key.
2. Touch **SETTINGS**.
3. Touch **CONTROL PID LOOPS**.
4. Touch **LOOP 1**.
5. Scroll down until you see the setting “MINIMUM SET POINT”. Change the setting to the desired minimum set point.
6. Scroll down until you see the setting “MAXIMUM SET POINT”. Change the setting to the desired maximum set point.
7. Press the **HOME** key to return to the Home Screen.

## **I. CHANGE THERMOCOUPLE TYPE**

### **\*\*\*NOT REQUIRED FOR NORMAL OPERATION**

1. Press the **MENU** key.
2. Touch **SETTINGS**.
3. Touch **INPUTS**.
4. Touch thermocouple input to change (ex. T/C1).
5. Scroll down until you see the setting “TC LINEARIZATION”. Change the setting to the desired thermocouple type.
6. Press the **HOME** key to return to the Home Screen.

## **J. LOAD CONFIGURATION FILE FROM USB FLASH DRIVE**

### **\*\*\*NOT REQUIRED FOR NORMAL OPERATION**

1. Save F4T configuration file (.wsi) to a USB Flash drive.
2. Insert USB flash drive in either USB port on rear of Watlow F4T controller.
3. Press the **MENU** key.
4. Touch **FILE TRANSFER**.
5. Touch **IMPORT** button next to “FLASH”.
6. Touch **CONFIGURATION**.
7. Touch desired configuration file. The F4T will show a progress bar as the file loads.
8. Once file is done loading, press the **HOME** key to return to the Home Screen.