2025-1-19
Controller Updates

- We would like to add a new Tab called " TARGET"
- The logic will be the same as BAKE OUT and WARM UP
- The defaults in preferences will change
  - TEMP: -140, RANGE -175 to 25
  - TIME: 15 min, with increments in 1 min, RANGE 0 to 120
  -
- When some one presses TARGET
  - The Controller will read the Temperature from sensor (INPUT A) and do a PID control
  - We might need to put a limit on current
  - Heater is 100 ohms
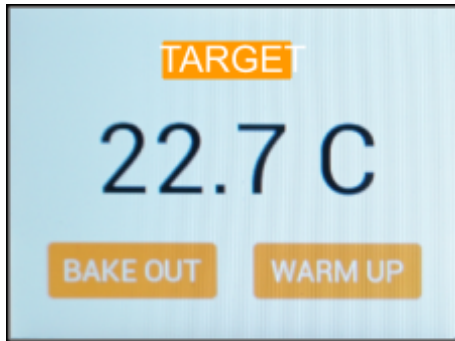 - Current Limit 0.12 A

HTRSET **Heater Setup Command**

Input `HTRSET <output>,<type>,<heater resistance>,<max current>,<max user current>,<current/power>[term]`

Format `n,n,n,n,+n.nnn,n`

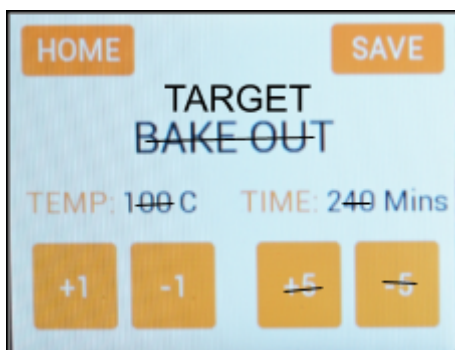|	
‹output›	Specifies which heater output to configure: 1 or 2.
‹type›	Output type (Output 2 only): 0=Current, 1=Voltage
‹htr resistance›	Heater Resistance Setting: 1 = 25 Ω, 2 = 50 Ω.
‹max current›	Specifies the maximum heater output current: 0 = User Specified, 1 = 0.707 A, 2 = 1 A, 3 = 1.141 A, 4 = 1.732 A
‹max user current›	Specifies the maximum heater output current if max current is set to User Specified.
‹current/power›	Specifies whether the heater output displays in current or power (current mode only). Valid entries: 1 = current, 2 = power.

1. NEW TAB: TARGET

2. WHEN 'TARGET' IS PRESSED (Similar to BAKE OUT and WARM UP)

3. WHEN 'TARGET' IS PRESSED FOR EXTENDED TIME (Similar to BAKE OUT and WARM UP)

TEMP DEFAULT: -140, INCREMENT, +1 -1
TIME DEFAULT: 15 MIN, INCREMENT, +1, -1