

ADC_Changed:

Update time/temp

Update OLED

Timer_Tick_V1:

Conditions:

Cook time > 0: Update LED bar and Update OLED

Else: Reset Settings and Update OLED, Proceed to SETUP

Timer_Tick_V2:

Conditions:

Elapsed time \geq Long_Press: end cooking, reset settings, Update OLED, Update LED bar, Proceed to SETUP

Else: Update OLED, Update LED bar

4_Button_Event_Down:

Store freerunning time

Update OLED

Update LED bar

3_Button_Event_Down:

Store freerunning time

4_Button_Event_Up:

Jump to Cooking

3_Button_Event_Up:

Conditions:

Elapsed time < Long_Press: switch to next mode and Update OLED -> Setup

Elapsed time \geq Long_Press: change Setting Selector and Update OLED -> Setup

Paths:

Setup -> ADC_Changed -> Setup

Setup -> 4_Button_Event_Down->[Start Cooking] -> 4_Button_Event_Down -> [Reset Pending] -> Timer_Tick_V2

OR

TIMER_TICK_V1

Setup -> 3_Button_Event_Down->[Selector Change Pending] -> 3_Button_Down->[Selector Change Pending] -> 3_Button_Event_Up