Start

|

Initialize Arduino: config. pins

Initialize plot

Initialize timing: tic, t=0

|

while true

|

Read temp: voltage > temperature, check valid

Update arrays

Update plot

Temp=18-24°C?

| |

Yes   no

Green on   temp <18°C?

                       | |

                      Yes   no

                       | |

        Yellow blink 0.5s   red blink 0.5s

                  | |

                     [Pause 1s]

                        |

                    Loop back