



Timer State Diagram



click() ie incl()

Stopped

on click()
ie stopped

on click()
ie stopped

Setup

on click()
ie stopped

Running

start() or 3-s timeout

States:

Stopped : time = 0 ; display 0

time > 0 → Setup display time

Setup : time > 1 : display time

Alarm reset() on click : start() → Running

3-s countdown active → Running

Running : time ~ (dec) display time

time = 0 → Alarm
click → Stopped

Alarm ≠ on click() → Stopped

2 events

Button click()

Clock tick()