- o nanoe-G breakdown error
  - ▪ Judgment method
    - • Hi-feedback voltage (at microcontroller) supplied to the nanoe-G system when nanoe-G operation is OFF; nanoe-G breakdown error show immediately.
    - • It is due to indoor PCB or nanoe-G high voltage power supply damage.
    - • Operations except nanoe-G continue. Both Timer indicator and nanoe-G indicator blink.

  - ▪ Troubleshooting method
    - • Press nanoe-G button or OFF/ON button to stop the operation.
    - • Change nanoe-G high voltage power supply or main PCB.
    - • When Lo-feedback voltage supplied to nanoe-G system during nanoe-G operation ON, nanoe-G indicator and Timer indicator stop blinking.

13.12 In-filter Deactivation Operation

- This operation helps to deactivate virus and bacteria on filter after the unit turned off using nanoe-G generator.

- In-filter deactivation start condition
  - o nanoe-G is ON before the unit is turned off either by OFF/ON button or OFF Timer.
  - o Elapsed time from previous in-filter deactivation operation is more than 24hrs.
  - o Unit operation time before unit is turned off is more than 2 hours or accumulated unit operation time achieves 4hrs if unit operation time less than 2hours.

- In-filter deactivation stop condition
  - o The unit is turned on.
  - o nanoe-G generator operation time during in-filter deactivation operation has achieved 120 minutes.
  - o The unit received disable signal from remote control.
  - o Nanoe-G abnormality occurs.

- Control contents:
  - o When the unit operate in Cool or Dry mode before turned off.
    1. The unit will operate fan operation, fan motor will operate at approximately 600rpm for 30 minutes then stop.
    2. During fan operation, horizontal vane will fixed at 20° for 30 minutes then close.
    3. After 30 minutes the unit will continue with common control.
  - o Common control.
    - nanoe-G generator will operate for 120 minutes.

- Timer control
  - o When ON Timer activates during in filter deactivation operation, in-filter deactivation operation stops.
  - o When OFF Timer activates during in filter deactivation operation, in-filter operation will continue.

- Indicator
  - o nanoe-G indicator ON.
  - o Power indicator OFF.

- Enable or disable selection
  - o Press NANOE-G button continuously for 5 seconds to disable or enable in-filter deactivation operation.

- Remote control receiving sound
  - o Enable in-filter deactivation operation : Long Beep
  - o Disable in-filter deactivation operation : Short beep

- Power failure
  - o During in-filter operation, if power failure occurs, after power resumes in-filter deactivation operation will not resume.