

# LOW\_POWER\_NORMAL1

## 1. Operation Outline

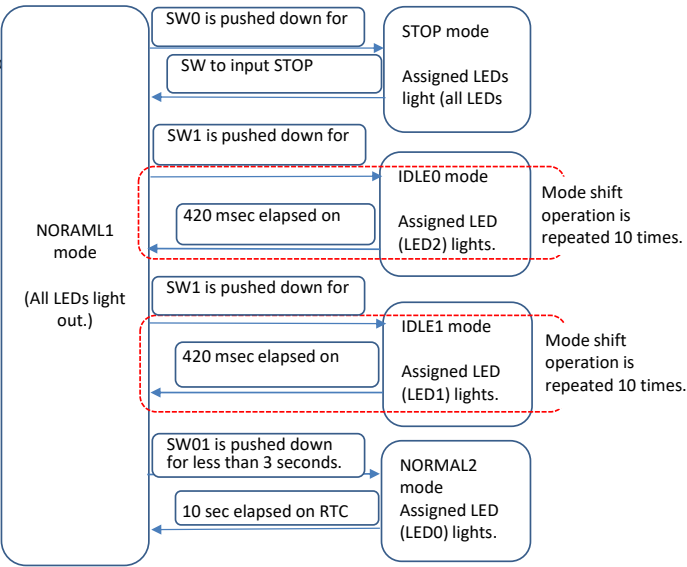
The operation mode is changed by the SW input.  
The LED lights and blinks according to the operation mode.

## 2. Each Setting

<u>SW to change operation mode</u>	STOP	: SW0 hold-down (Port41)
	IDLE0	: SW1 (Port13)
	IDLE1	: SW1 hold-down (Port13)
	NORMAL2	: SW0 (Port41)
	STOP release	: STOP release input SW0 (KW11)
<u>LED</u>	STOP	: LED0 (Port25)/LED1 (Port26)/LED2 (Port27)
	IDLE0	: LED2 (Port27)
	IDLE1	: LED1 (Port26)
	NORMAL2	: LED0 (Port25)
<u>LED blinking interval</u>	STOP	: Lighting
	IDLE0	: Lighting
	IDLE1	: Lighting
	NORMAL1	: Lighting-out
	NORMAL2	: Lighting
<u>Timer interrupt</u>	TBT	: INTTBT
	RTC	: INITRTC

## 3. Basic Operation

- The following operation should be done in NORAML1 mode.
  - The assigned LED blinks in the setting interval (other LEDs light out).
  - When the SW0 is pushed down for 3 seconds or more, the operation mode moves to STOP mode.
  - When the SW1 is pushed down for less than 3 seconds, the operation mode moves to IDLE0 mode and returns to NORMAL1 mode. This mode shift operation repeats 10 times.
  - When the SW1 is pushed down for 3 seconds or more, the operation mode moves to IDLE1 mode, and returns to NORMAL1 mode. This mode shift operation repeats 10 times.
  - When the SW0 is pushed down for less than 3 seconds, the RTC counts 10 seconds, and the operation mode moves to the NORMAL2 mode.
- The following operation should be done in the STOP mode.
  - The assigned LEDs light (all LEDs light).
  - When the STOP release SW is pushed down, the operation mode moves to NORMAL1 mode.
- The following operation should be done in the IDLE0 mode.
  - The assigned LED lights (other LEDs light out).
  - After 420 msec on TBT timer, the operation mode moves to NORMAL1 mode.
- The following operation should be done in the IDLE1 mode.
  - The assigned LED lights (other LEDs light out).
  - After 420 msec on TBT timer, the operation mode moves to NORMAL1 mode.
- The following operation should be done in the NORMAL2 mode.
  - The assigned LED lights in the setting interval (other LEDs light out).
  - After 10 seconds on RTC timer, the operation mode moves to NORMAL1 mode.



## 4. Note

The P11 pin should be connected to GND.