



Parameters

- Transistor 50A
- Power from 1 or 2 cells (3.7V or 7.4V)
- Output power control in 8 possible PWM power levels
- Touch sensor control
- Display individual menu items using RGB LED, shine, brightness or blink
- Short circuit protection and cell underloading, 25s time limit for coil heating
- Low stand-by power consumption, batteries should be removed if not used for several weeks

Stand-by mode consumption, protection

- Stand-by in idle mode. The weighted average consumption is between 400-600uA. I can't pinpoint the actual consumption due to the possibility of waking up, for example in your pocket. Moisture and materials of different materials have an impact. The maximum current consumption is 1.3 mA in stanby mode.
- A short circuit on the output or battery discharge in the load is accompanied by a steady flashing of the red LED.
- Any problem at module running is accompanied by a flashing red LED. For example, the problem may be a short circuit on the output or a high transition resistance at the battery terminals.
- 25s time limit for coil heating due to unwanted switching in pocket

Function

After inserting the battery a calibration of the touch switch is performed. This process is accompanied by a multicolor LED flashing followed by 2 red LED flashes at 1 cell battery or blue LED flashes with 2 cell battery. If you hold your finger on the touch switch during battery insertion, the red LED flashes until you remove the finger after which the calibration continues. When switching from 1 cell battery to 2 cell battery and vice versa, the power is always set to the minimum value and, after repeatedly entering the same number of cells, the set power value is remembered.

PRESSING – coil heating, LED glows in red ●, at the end of touch measurement of the balance battery voltage is executed. If the battery voltage is less than 15% then LED flashes in red 3x ●●●

2 x **CLICK** - reduce power by one step with 1x blue LED ● (cooling) followed by flashing the code of the selected power level. (The table of power level codes is at point "4 x clicks")

3 x **CLICK** - increase power by one step with 1x red LED ● (heating) followed by flashing the code of the selected power level. (The table of power levels is in point "4 x clicks")

Instruction for XT module



4 x CLICK - display the current level of selected power:

Power level	number of LED flashes	Color of LED
Min.power 1	1xblink RED	●
2	1xblink GREEN	●
3	1xblink BLUE	●
4	2xblinks RED, RED	● ●
5	2xblinks GREEN, GREEN	● ●
6	2xblinks BLUE, BLUE	● ●
7	3xblinks RRR	● ● ●
Max.power 8	3xblinks GGG	● ● ●

5 x CLIK – on/off (lock/unlock) with 1x flash purple LED ● and 4x flash green LED ● ● ● ●

6 x CLIK – reduce power to minimum level, 1x flash red LED ●

7 x CLIK – increase power to maximum level, 3x flash green LED ● ● ●

8 x CLIK - initiate measurement of the approximate battery voltage and display it like:

voltage up to 3,9V	1x flash GREEN	● (100% battery capacity)
voltage between 3,9V and 3,7V	1x flash BLUE	● (50% battery capacity)
voltage less than 3,7V	1x flash RED	● (25% battery capacity)

9 x CLIK – Lock/Unlock the power level setting, with multicolor flashing.

10 x CLIK- calibration of the touch switch, when needed....