## **BMK E20 Motor & Band Burner Timer**

Ideal standalone motor timer and dethermalizer solution for E20 class models and other small electronic flight model builds.

Simply, it's running two different timers on a single board. One for motor run time and the other for the band burner.



## **Features**

- Weight: 1.6g
- Dimensions:31mm x 12mm x 5mm
- Maximum Motor Timer Duration:60 seconds
- Maximum DT Timer Duration: 250 seconds (4 minutes 10 seconds)
- Timer Steps: 1 second
- Timer Tolerance: +-1% typical
- Timer Activation Method: Hold the onboard button for at least 2 seconds, the timer will start when the button is released.
- Timer Cancel Method: Click the onboard button
- Motor Ramp: 0.3 seconds (1.0s until 10/09/2021)
- Operation Voltage: 3.0 5.0v (compatible with 1S LiPo battery)
- Power Consumption: 0.06mA @ idle / 0.6mA @ countdown / 1000mA @ burning(2 seconds).
- Maximum Output Current: 5A continuous
- Low Battery Warning: <3.7v (double flashes @ idle mode)

## How To Set the motor and DT timers?



- 1. Press and hold the button before plugging the battery.
- 2. Plug the battery when holding the button. (The LED will turn ON.)
- 3. Release the button and the (LED will turn OFF.)
- 4. Press and hold the button and count the LED blinks for the motor timer
  - \*Each Blink adds 1 second to the timer. For example, 30 flashes = 30 seconds. (Max. 60 seconds for the motor)
- 5. Release the button when you rich the desired timer duration. (The LED will turn off and save the motor timer value) \*(If you don't want to change the DT timer value, You can remove the battery here.)
- 6. Press and hold the button and count the LED blinks for the DT timer
  - \*Each Blink adds 1 second to the timer. For example, 30 flashes = 30 seconds. (Max. 250s for the DT)
- 7. Release the button when you rich the desired timer duration (The LED will fast flash 3 times when saving the DT time)
- 3. The timer will return to normal running mode automatically. Now you can remove the battery or use your timer.

## Using your timer



- 1. Plug the battery
- 2. the LED will flash once every 2 seconds.
  - \*The double flash menas the battery voltage is below 3.7v and you must recharge the battery.
- 3. Press and hold the button for at least 2 seconds to arm the timer before launch. (The LED will turn ON.)
- 4. Release the button when launching and the timer countdown will start. During the countdown, the LED will flash fast.
- 5. When the first countdown is complete, the timer will turn off the motor.
- 6. When the second countdown is complete, the timer will turn on the heater for 2 seconds.
  \*Click the button to cancel If you have accidentally released the button or your model has landed before the countdown is complete.