SupaBrake (v1.4)

User's Guide

Smart Algorithm: (Usage = Automatic)
Upon applying the brake(s), the unit will send a burst of pulses to the vehicle's brake light(s). The duration of the burst is a function of the time elapsed between the current braking cycle and the previous application of the brake(s). A time domain chart can be viewed on our web site. After this initial burst, the unit allows the rear brake light(s) to function normally(solid brake light). This algorithm is designed to eliminate target fixation as found in cheaper, passive products that continuously "blink" the brake light(s) even though the vehicle is at a complete stop.

Grace Period: (Usage = Automatic)
The modulator will not activate if brake(s) are applied more than once within a certain time period. This is very useful in heavy traffic so as not to annoy the person in the vehicle behind.

Input de-bounce: (Usage = Automatic)
The rider can quickly "tap" the brake lever or pedal without the algorithm inducing its flash routine. In an event of a "tap", the brake light will function normally and will appear as an ordinary tap of the brakes. Another aspect to this feature is that it allows the user to initiate a quick speed check on the rear brakes before a full application of the front brakes. In this case the algorithm will trigger a burst after full brake application.

Force-Flash Retrigger: (Usage = Manual)
Ability to automatically induce a burst of flashes. This is useful when stopped at an intersection to warn a fast approaching vehicle on your six.
Instructions:
1. Under normal riding condition if the brakes have been depressed for longer than 3 seconds.
2. Quickly release and reapply the brakes within 500mS. (half second).
3. The SupaBrake will output a burst of flashes.

Bypass/Defeat Mode: (Usage = Manual)
This feature allows the user to quickly bypass all the functions of the SupaBrake without having to physically remove the unit from the motorcycle. When this feature is activated, the functionality of your brake light system will revert back to stock condition. This is like uninstalling the unit from your motorcycle.
Instructions:
1. While the motorcycle is turned OFF. Depress the front or rear brakes of the motorcycle.
2. Continue to depress the brake. And turn on the electrical system of the motorcycle.
3. Continue to depress and hold the brake for a minimum period of 3 seconds.
4. After 3 seconds the brake light(s) will switch OFF. At which point it is ok to release the brake.
5. The SupaBrake is now in the defeat mode. (Algorithm = OFF) and your brake lights will function

The SupaBrake will revert back to its normal operation, (Algorithm = ON), upon the next power on cycle of the motorcycle's electrical system.

Decaying Flash Routine: (Usage = Automatic)
The burst of pulses is such that the period of the first pulse is slightly shorter than the subsequent pulse. And so on. This means that the initial pulses will be faster whereas the later pulses towards the end of the burst will be slower.
When viewed at speed and following from behind, the illusion of slowing down is enhanced.

10 Year Limited Warranty!
We take pride in our product. As such we stand 100% behind our design, workmanship and most importantly customer satisfaction. We offer a full 10 year limited warranty.