

# SMiDSY

Electronic Motorcycle Visibility Aids

## SMiDSY FGBF-1 BRAKE FLASHER



### FGBF-1 OPERATION SEQUENCE:

UPON APPLYING THE BRAKES, THE BRAKE LAMP(S) WILL BE ON AT FULL POWER FOR 0.4 SECONDS.

THE LAMP(S) WILL NOW FLASH RAPIDLY 8 TIMES AT 5Hz AND THEN REMAIN ON AT FULL POWER UNTIL BRAKES ARE RELEASED.

IF THE BRAKES ARE RE-APPLIED WITHIN APPROX 5- 8 SECONDS, THE LAMP(S) WILL GO ON SOLID UNTIL BRAKES ARE RELEASED AGAIN. THIS IS TO PREVENT DISTRACTING THE VEHICLE BEHIND IN STOP/GO TRAFFIC.

IF THE BRAKES ARE RELEASED BEFORE THE FULL SEQUENCE IS COMPLETE (1.9 SECONDS) THE SEQUENCE RE-STARTS FROM THE BEGINNING.

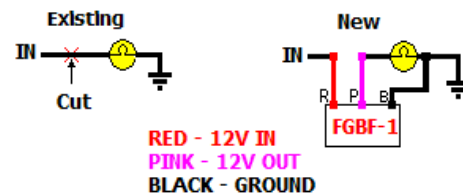
### Installation Instructions

1. Correctly identify the wire feeding the Brake Lamp. You may have more than 1 lamp or a combination of lamps, LEDs etc. This is not a problem, just do not exceed 65 Watts total.

**Note:** Many motorcycles have a combined brake/rear light bulb designated 21/5W. (21W Brake 5W rear light). Ensure you have identified the correct wire by using a test lamp/meter or by disconnecting one wire and trying the brakes and rear light thereby identifying the correct one. Most modern motorcycles will also have a ground wire leading to the bulb holder. Connect the FGBF-1 Ground wire to this. Other motorcycles will rely on the motorcycle frame as Ground, if this is the case, you will need to find a suitable point on the frame to connect the FGBF-1 Ground wire.

2. You may fit the unit anywhere adjacent to the motorcycle rear lighting cluster. The unit is fully waterproofed and very small. In many situations the unit will actually fit inside the lighting cluster giving additional weather protection to connections. It is best to spend a few extra moments deciding on the best location before cutting any wires. Cut and connect the brake wire identified earlier as shown in the connection diagram below.

### CONNECTION DIAGRAM



Connect the **RED** wire to the original wire feeding the brake lamp(s). Connect the **PINK** wire to the brake lamp(s). Connect the **BLACK** wire to GROUND.

Do not be tempted to use 'Splice In' connectors, as these are generally very unreliable. Bare the insulation on all wires and twist together firmly, (solder is even better), then slip over the heat shrink sleeving supplied and carefully shrink. If crimp connectors are used, it is advisable to tape the open ends to prevent water ingress.

The FGBF-1 is supplied with approx 300mm length cables. You may cut them to length as required. Slide the protective sleeving over the cables before connecting. Do not allow the cables or unit to just 'flop around', they must be secured. Use the supplied Sticky Pads and/or Cable Ties to secure. Leaving the cables at full length will make transferring the unit to a new or different bike much easier. For more information visit [www.smidsy.biz](http://www.smidsy.biz)

### WARRANTY

We hope you will be pleased with your purchase. All SMiDSY products are fully tested after assembly. This product is guaranteed against malfunction or manufacturing defects for a period of 12 months from the date of purchase, provided the unit is installed in accordance with these instructions. Your statutory rights are not affected.

Please take a moment to register your unit at [www.smidsy.biz](http://www.smidsy.biz) This will help us to help you should the need arise. Registration entitles you to *LIFETIME* support along with discounts and special offers on our other products.

### DISCLAIMER:

**THIS PRODUCT IS LEGAL FOR USE ON PUBLIC ROADS IN THE USA AND CANADA, THIS PRODUCT MAY OR MAY NOT BE LEGAL FOR ROAD USE IN OTHER COUNTRIES. INSTALLATION AND USE IS ENTIRELY AT THE CUSTOMER'S DISCRETION.**

**THE MANUFACTURERS WILL NOT ACCEPT ANY LIABILITY WHATSOEVER FOR USE OF ITS PRODUCTS WHERE LOCAL LAWS PROHIBIT SUCH USE.**

### FGBF-1 SPECIFICATIONS:

VOLTAGE:	10-15 VOLTS DC (NEG. GROUND)
MAX LOAD:	65 WATTS
FLASH RATE:	5Hz
UNIT SIZE:	40 x 28 x 18mm
WORKING TEMP:	-20C to +70C

## SMiDSY

Sorry Mate I Didn't See You!

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