1340 Russell Cave Road • Lexington, Kentucky 40505 • www.galls.com

GALLS SMART FLASHER

FS001 AND FS002 w/ AMP QUICK DISCONNECT PLUG

The Smart Flasher will operate a two or four headlight system on any vehicle with a 12 VDC negative ground system.* The Smart Flasher gives you 3 different flash patterns in 1 flasher.

Please contact Galls Technical Service at 800-837-3982 before attempting to install in any vehicle that has ground side switch headlights. This includes most foreign vehicles, all Saturn, '98 and later Chevrolet/GMC S-10/Sonoma-Blazer/ Jimmy and '99 and later Chevrolet/GMC full size pickups. You will also need to call for any vehicle that has Daytime Running Lights on it's headlights.

A properly installed Smart Flasher has 3 operating modes built into 1 flasher. Mode 1 will alternate (wig-wag) the headlights at 1.9 flashes / second. Mode 2 will alternate the headlights at 3.0 flashes / second. Mode 3 consists of a varying flash that will continuously cycle through 3 patterns: alternating flash at 1.9 f.p.s., simultaneous flash at 3.0 f.p.s, and a fast alternating flash at 3.0 f.p.s. When used at night, the low beam headlights remain ON for proper illumination while the high beams flash to gain attention and increase the vehicle's visibility. When the dimmer switch is activated to high beam, the flasher system's "High beam over-ride" interrupts the flasher sequence to allow normal high beam function. Flashing automatically resumes when the dimmer switch is de-activated.

INSTALLATION

MOUNTING: Mount the Flasher near the battery at the front of the engine compartment.

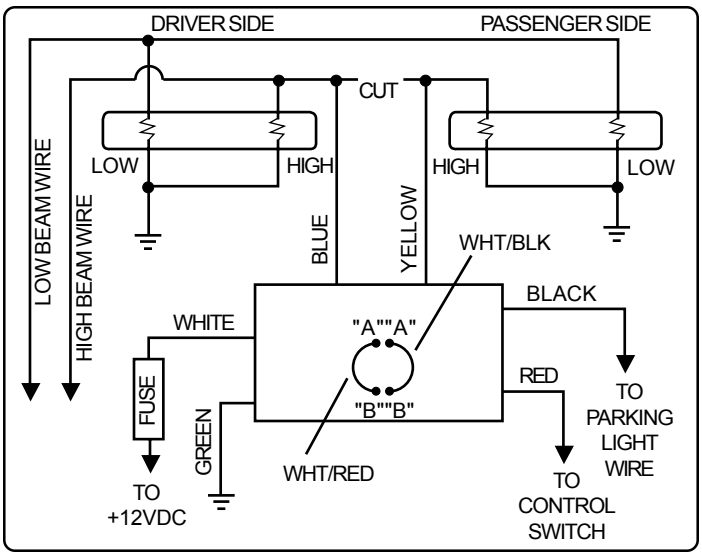
GREEN WIRE: Connect to a convenient reliable ground.

BLUE & YELLOW WIRES: Locate the wire that supplies power to the passenger side high beam headlight. Cut this wire approximately 10" to 12" from the back of the headlight. Connect the Yellow wire to the lead that returns to the passenger side high beam. Connect the Blue wire to the other cut lead. This will operate the driver side high beam.

RED WIRE: Connect to a switched source of power. This switch will only require 1/4 amp to activate the Flasher.

WHITE WIRE: Connect through a fuse directly to the positive post of the battery or other high current power source. A 20 amp fuse to be used with a two headlight system and a 30 amp on a 4 headlight system. We recommend the use of a fuse only. DO NOT CONNECT THE FLASHER SYSTEM TO A CIRCUIT BREAKER OR FUSIBLE LINK.

OPTIONAL - BLACK WIRE: If an "Automatic Nighttime Cut-Off" is required, simply "T" or tap the black wire into a parking light wire. **NOTE:** DO NOT CONNECT TO THE LOW BEAM WIRE. If not required, cut off excess wire and tape end.



WIRING DIAGRAM

WHITE/RED Loop Wire: Used to select pattern. Follow matrix below to obtain desired pattern.

WHITE/BLACK Loop Wire: Used to select pattern. Follow matrix below to obtain desired pattern.

OPTION #1: SINGLE FLASH PATTERN

Cut loop wire and tape-off at both ends of cut wire. The Flasher will NOT be activated until power is applied to the RED wire.

	WHITE/RED	WHITE/BLACK
Mode # 1 - 1.9 f.p.s.	LOOP	LOOP
Mode # 2 - 3.0 f.p.s.	CUT	LOOP
Mode # 3 - Varying	LOOP	CUT

OPTION #2: SELECTABLE FLASH PATTERN

Cut loop wire and tape-off end "A". Connect end "B" to switch connected to +12v. The Flasher will NOT be activated until power is applied to the RED wire.

	WHITE/RED	WHITE/BLACK
Mode # 1 - 1.9 f.p.s.	+12v	+12v
Mode # 2 - 3.0 f.p.s.	0v	+12v
Mode # 3 - Varying	+12v	0v

5 YEARS
GALL'S Exclusive 5-Year Warranty

GALLS FIVE YEAR WARRANTY

Galls is the only company that offers a full five year warranty...a guarantee that assures you long-lasting service on your vehicle light equipment. No one else offers you this peace of mind.

Covered by U.S. Patent #4114071 and #4309639.