

Custom LED Programmable Electronic Flasher Relay (ELFR-P)

USER GUIDE AND INSTRUCTIONS



PLUG AND PLAY QUICK SETUP GUIDE:

- 1) REMOVE THE OEM FLASHER RELAY FROM THE HARNESS AND PLUG IN THE ELFR-P.
- 2) CONNECT THE BLACK GROUND WIRE ON THE ELFR-P TO THE BATTERY NEGATIVE (-) TERMINAL (OR ANY COMMON GROUND POINT). THE ELFR-P WILL NOT FUNCTION WITHOUT THIS WIRE CONNECTED TO GROUND.
- 3) MOUNT THE ELFR-P IN A LOCATION THAT IS EASILY ACCESSIBLE, YET PROTECTED FROM EXPOSURE TO WATER! **THE ELFR-P MUST NOT BE EXPOSED TO MOISTURE OR WATER.** USE THE PROVIDED DOUBLE SIDED TAPE FOR MOUNTING THE ELFR-P. FOR GOOD BONDING, PREPARE BOTH MOUNTING SURFACES FIRST WITH THE ALCOHOL PAD PROVIDED.
- 4) TURN ON YOUR IGNITION AND BLINKERS AND CHOOSE A PATTERN VIA THE ROTARY DIP SWITCH LOCATED ON THE ELFR-P. USE A SMALL FLAT HEAD SCREWDRIVER TO MAKE YOUR PATTERN SELECTION. *DAMAGING THIS ROTARY SWITCH BY USING AN UNSUITABLE TOOL MAY VOID YOUR WARRANTY.*

HARD WIRE QUICK SETUP GUIDE:

THE CUSTOM LED PROGRAMMABLE ELECTRONIC LED FLASHER RELAY IS DESIGNED TO OPERATE WITH ANY 12V BLINKER SYSTEM THAT HAS A TWO WIRE, OR THREE WIRE FLASHER RELAY WHERE THE THIRD WIRE IS A GROUND WIRE. FOR MOST MOTORCYCLES, YOU WILL FIND THAT OUR ELFR-P IS A DIRECT PLUG AND PLAY REPLACEMENT FOR YOUR OEM FLASHER RELAY, IF YOU FIND THAT THE CONNECTOR PROVIDED ON THE ELFR-P DOES NOT MATCH THAT ON YOUR HARNESS, YOU WILL HAVE TO:

- 1) LOCATE OEM FLASHER RELAY AND REMOVE IT FROM HARNESS
- 2) IDENTIFY HARNESS WIRES AND HARD WIRE THE ELFR-P AS FOLLOWS:
 - RED WIRE ON ELFR-P TO POWER SOURCE (IGNITION SWITCHED +12V)
 - WHITE WIRE ON ELFR-P TO LOAD (BLINKER LAMPS/ BLINKER SWITCH)
 - BLACK WIRE ON ELFR-P TO NEGATIVE TERMINAL ON BATTERY
- 3) FOLLOW STEPS 3 AND 4 ABOVE IN PLUG AND PLAY QUICK SETUP GUIDE

TROUBLESHOOTING

IF YOU HAVE INSTALLED THE ELFR-P AND YOUR BLINKERS ARE NOT OPERATING PROPERLY, PLEASE DOUBLE AND TRIPLE CHECK YOUR WIRING! IF YOU ARE CERTAIN IT IS CORRECT, CHECK THE FOLLOWING WITH A MULTI-METER OR VOLTMETER:

- CHECK FOR +12V ON THE RED WIRE OF THE ELFR-P (WITH IGNITION ON)
- CHECK THE FUSE INLINE WITH THE RED WIRE ON THE ELFR-P
- CHECK THE TURN SIGNAL FUSE IN THE MOTORCYCLES FUSE BOX
- CHECK FOR PROPER GROUND CONNECTION ON THE BLACK WIRE
- CHECK FOR INTERMITTENT +12V OUTPUT ON THE WHITE WIRE ON THE ELFR-P WITH IGNITION AND TURN SIGNALS ON – AND ELFR-P PATTERN SELECTOR SWITCH SET TO PATTERN 1.

IF YOU HAVE CHECKED ALL THESE CONDITIONS AND STILL ARE NOT RECEIVING AN OUTPUT, PLEASE CONTACT CUSTOM LED TECHNICAL SUPPORT AT SUPPORT@CUSTOMLED.COM, OR CONTACT McCOY MOTORSPORTS AT 606-432-1556 OR STREETBIKES@TOBEFAST.COM.