

HEAVY DUTY AUXILIARY LIGHT RELAY KIT W/ INPUT SWITCH

KICHARNAL

1. Mount lights in the desired location.
 2. Using the provided screw, mount the relay. Make sure the red relay power wire will reach the battery or battery source. **Do not connect the relay power wire yet.**
 3. Mount the circuit breaker as close as possible to the power source.
 4. Route the yellow relay power wire (pin 87) to one side of the the circuit breaker you installed in the above step. Cut the wire to the proper length and install using a small blue ring terminal.
 5. Using another small blue ring terminal, connect the remaining section of yellow wire to the unused post on the circuit breaker and use the remaining yellow wire to complete the circuit at the battery
- NOTE: This relay will power two lights, but the total current draw for both must be less than 30 amps.**
7. Attach the black ground wire from the relay to a good ground. The relay's mounting screw may be used as a ground if it is mounted to a metal surface.
 8. Mount the switch bezel under the dash or in another convenient location using the provided screws.
 9. Route the blue wire through the firewall to the white wire. Protect this wire with a grommet.

10. Attach the red switch wire to a fused power source at the fuse block, routing the wire through the switch bezel opening.
11. Attach the black switch wire to a good ground through the switch bezel opening. **PLASTIC OR FIBERGLASS WILL NOT MAKE A GOOD GROUND.**
12. Route the white wire through the switch bezel opening and attach to the vacant switch terminal using the provided push-on terminal.
13. Snap the switch into the bezel.
14. Ground the black wire and route the blue wire (power) from the relay to each auxiliary light. Attach wires to the lights with the provided terminals.

NOTE: Black ground wires may not be necessary.

15. When the switch is in the ON position, the switch will illuminate.

NOTE: For the lights to operate only when the low beam lights are in use, connect the red wire from step 10 to the high beam output wire at the dimmer switch.

16. Install and test the relay.

