Car Lights Reminder

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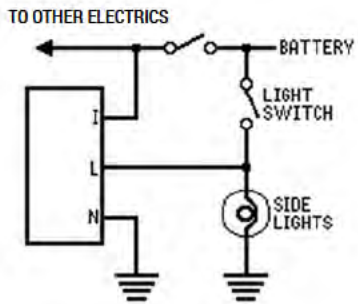
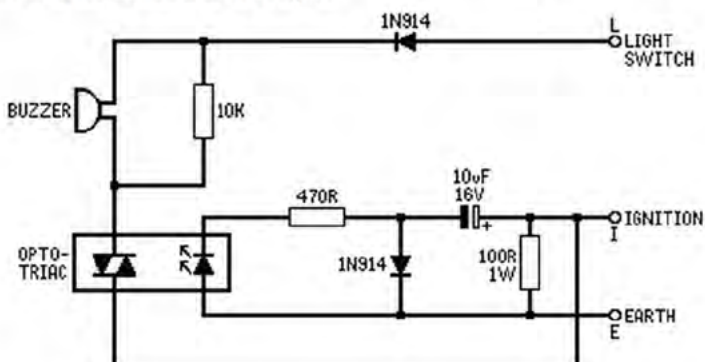
This circuit will produce an audible alarm if the lights are left on when the ignition is switched off. If the lights are turned on when the ignition is off the alarm will not sound.

With the ignition on the capacitor charges via the diode. If the ignition is switched off the capacitor discharges through the LED in the optotriac. With the lights on there will be a voltage present across the triac so that it will trigger and sound the buzzer.

The circuit can be reset by turning the lights off for a short moment, which allows the triac to switch off and not switch on again.

The circuit is connected to the car via three wires; to the ignition switch, light switch and earth as shown in the circuit diagram.