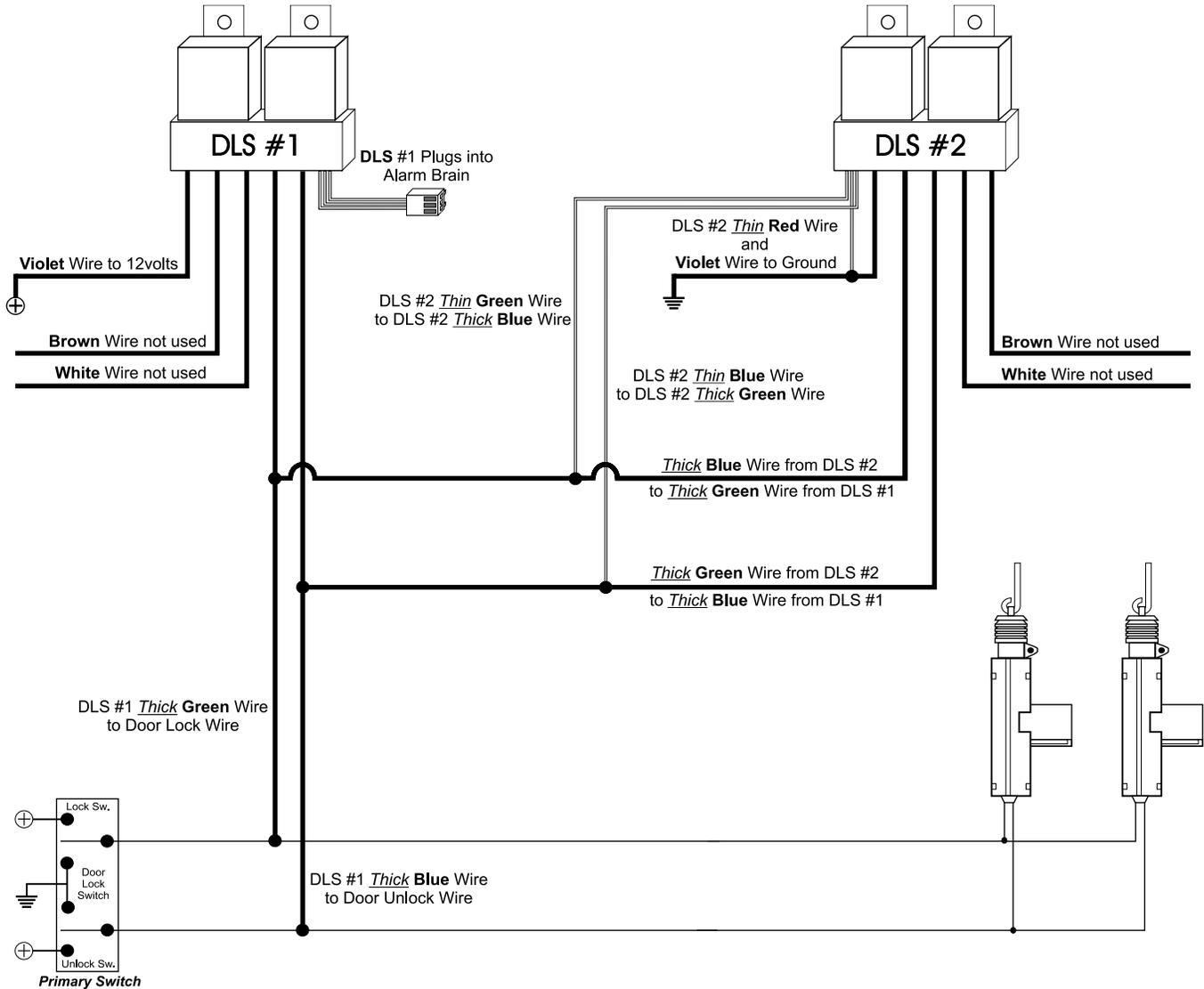


**Note #205 - Reversal Rest at Nothing Door Lock Circuit**

*Reversal Rest at Nothing Door Lock System interface using two of the optional model DLS'*



- When a doorlock switch is operated in this type of system, both doorlock wires change their status. At rest, the two wires are neither positive or negative. When the switch is operated, one will go to 12 volts positive and the other will go negative. The two wires will reverse their respective polarity as the switch is operated to the "lock" and "unlock" positions.

- Because both wires in a reversal system rest at nothing, applying positive 12 volts to just the lock or unlock wire will not operate the actuator. The opposite wire leading to the actuator must supply the return ground path to complete the circuit, therefore, when positive 12 volts is applied to the either the lock or unlock wire, ground must be applied to the opposite wire to operate the actuator in the vehicle. This can only be done by using one DLS to control another DLS so that when positive 12 volts is applied to one wire, the opposite wire will receive ground at the same time. Installing an interface to this type of system will require two DLS' and four relays.

**CONNECTION:** The diagram above shows how to connect the two optional model "DLS" to a Reversal Rest at Nothing type door lock system. If the relays are going to be wired directly without the two optional model "DLS" then use the "DLS" wiring diagram NOTE #200 to see how the relay coils are wired to the alarm brain outputs & how the wires from the relay contacts are wired to interface with the door lock system.