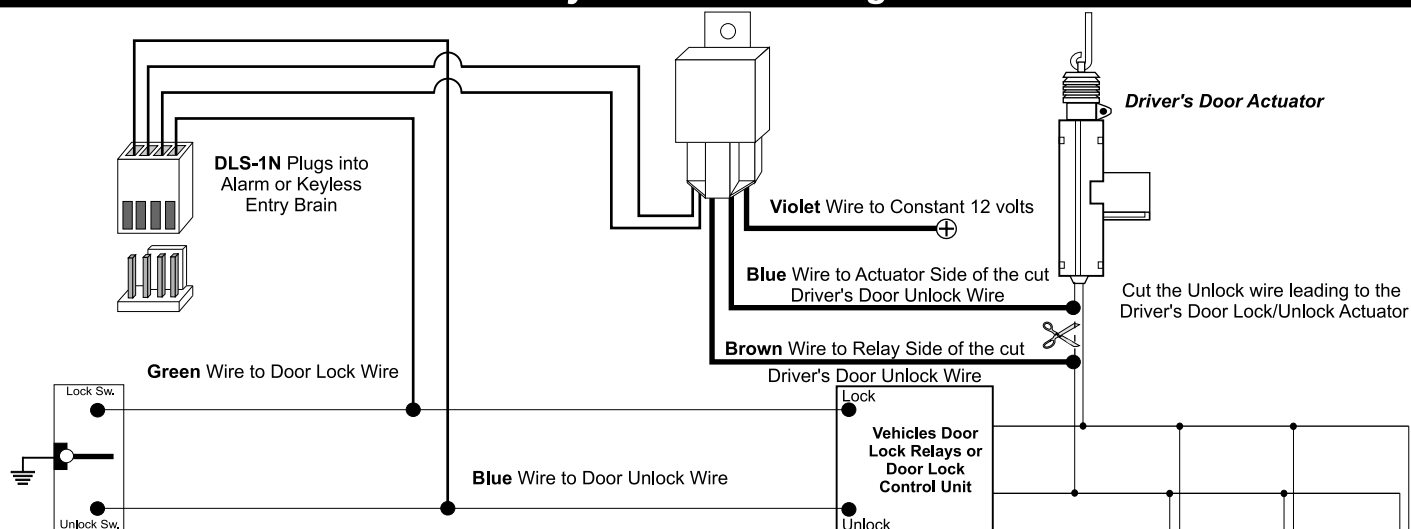


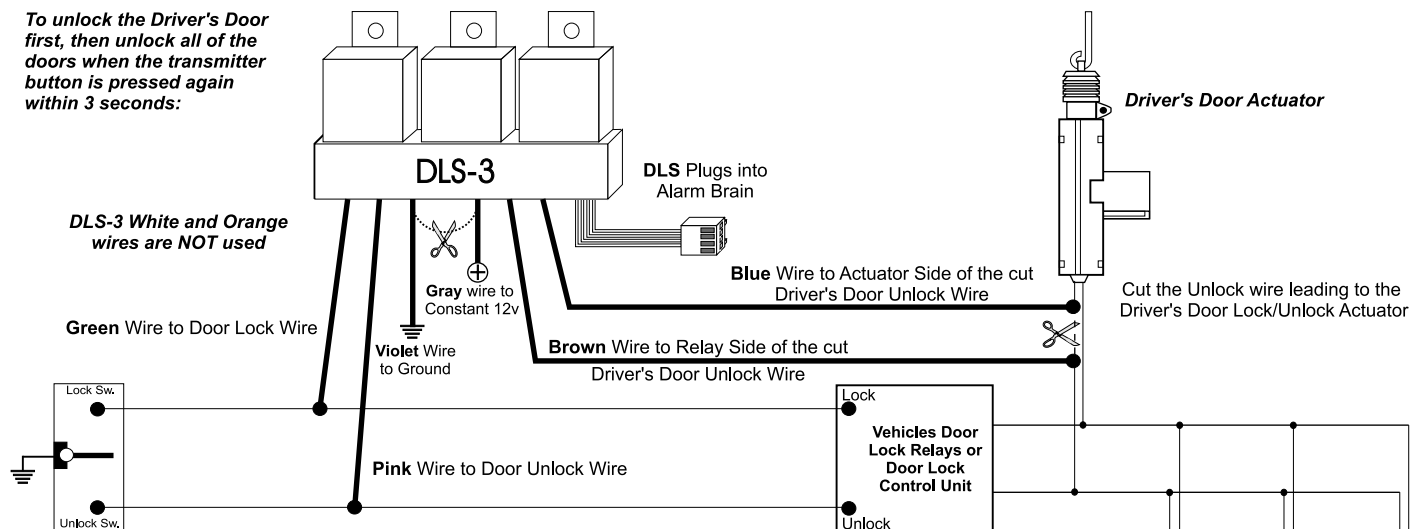
## Note #218 - Driver Door Priority Unlock with Negative Pulse Door Lock Circuit



• Driver door priority unlock can be interfaced into the door lock system so that a single press of the disarm or unlock button on the transmitter will unlock the driver door, then a second press of the button within 3 seconds will unlock all of the doors. Because the alarm gives negative pulse outputs for lock and unlock, a relay must be used to send the positive pulse required to unlock only the driver door. The output from the relays or door lock control module is a reversal rest at ground circuit, therefore, the relay must be configured as a reversal rest at ground type circuit. In most vehicles that have negative pulse type doorlock system the (-) unlock outputs can be wired directly to the switch wires for all door lock and unlock, because all that is required to operate the vehicle's relays is negative pulses. In this case the optional harness, DLS-IN (which is a 4-pin pre-wired plug-in harness with a relay pre-wired for the driver door priority unlock) can be used. Some doorlock systems, however, require more than the 250ma. ground output that the security system's control module accommodates. In these cases the optional model DLS-3 and three relays must be used.

**CONNECTION:** The diagram above shows how to connect the optional model "DLS-IN" to operate driver's door priority unlock on a Negative Pulse type door lock system.

*To unlock the Driver's Door first, then unlock all of the doors when the transmitter button is pressed again within 3 seconds:*



• Driver door priority unlock can be interfaced into the door lock system so that a single press of the disarm or unlock button on the transmitter will unlock the driver door, then a second press of the button within 3 seconds will unlock all of the doors. In negative pulse systems which require more than the 250 ma. ground output that the security system's control module accommodates, the optional model DLS-3 and three relays must be used. The Violet wire from the DLS-3 is connected to ground to operate the switch wires to lock and unlock all doors. Because the Violet wire is at ground, the Gray wire loop, which selects the polarity to control the driver door actuator, must be cut away from the Violet wire and connected to constant 12 volts. This is because the output from the relays or door lock control module is a reversal rest at ground circuit.

**CONNECTION:** The diagram above shows how to connect the optional model "DLS-3" to operate driver door priority unlock on a Negative Pulse type door lock system. If the relays are going to be wired directly without the optional model "DLS-3", then use the "DLS-3" 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.