

Note #217 - Single Wire Resistor Door Lock Circuit

• Since early 1980s some vehicles began to use a single wire from the door lock switch to the door lock control unit to operate the door locks. The door lock control unit reads the different voltage from the switch to determine if the command is lock or unlock.

• This voltage from the door lock switch is created by using different value resistors to manipulate the input polarity. By using the same input polarity and resistor value you can use a "DLS" to operate the door locks from an aftermarket alarm.

Note: In most systems the resistor value should be within 5% to operate properly..

CONNECTION: The diagram above shows how to connect the optional model "DLS" to a common Single Wire type door lock system. Refer to the vehicle wiring instructions to determine the needed resistor value and polarity for properly configuring the "DLS". If the relays are going to be wired directly without the 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.

