KSP doors with a S&G 2890B/2890C or LKM10K lock that has been installed by Krieger will have power and ground connected to the terminal blocks of the lock assembly. Before connecting the lock assemblies to a power source, verify the required voltage and refer to the diagrams below to determine the correct color wire to connect to. Once the desired functional configuration has been determined, cap-off any unused conductors. The wires color layout can be re-arranged if desired at the discretion of the decision-making authority pertaining to access controls.

LKM10K terminal blocks have two separate power options: 24VDC (blue) and 12VDC (red). The red conductor can be relocated to the 24V position if desired. There are additional terminals that can be used for access control, the installer is responsible for connecting these lock conductors per the functionality desired and any additional devices. Supplying the wrong voltage to the terminal block could circuit board, KSP is not responsible for locks that have been damaged by improper electrical connections.

The red wire on the S&G terminal block is capable of handling both 12 and 24 VDC for both positive and negative terminals. There are four additional terminals that can be used for access control, the installer is responsible for connecting any other devices that may be needed. Note that the S&G 2890C terminal block has 4 additional connections to support the Automatic Bolt Retraction (ABR) feature which are not illustrated below. Since ABR is an optional add-on, KSP does not have a wiring standard. Any of the un-used 28-gauge conductors in the wire harness can be used at the discretion of the installer to support the ABR.

LKM10K TERMINAL BLOCK
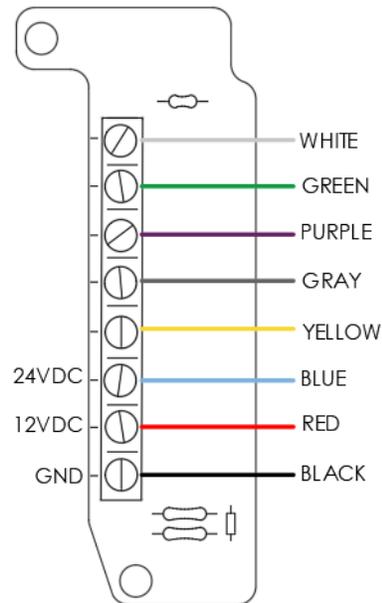
S&G 2890B/2890C TERMINAL BLOCK