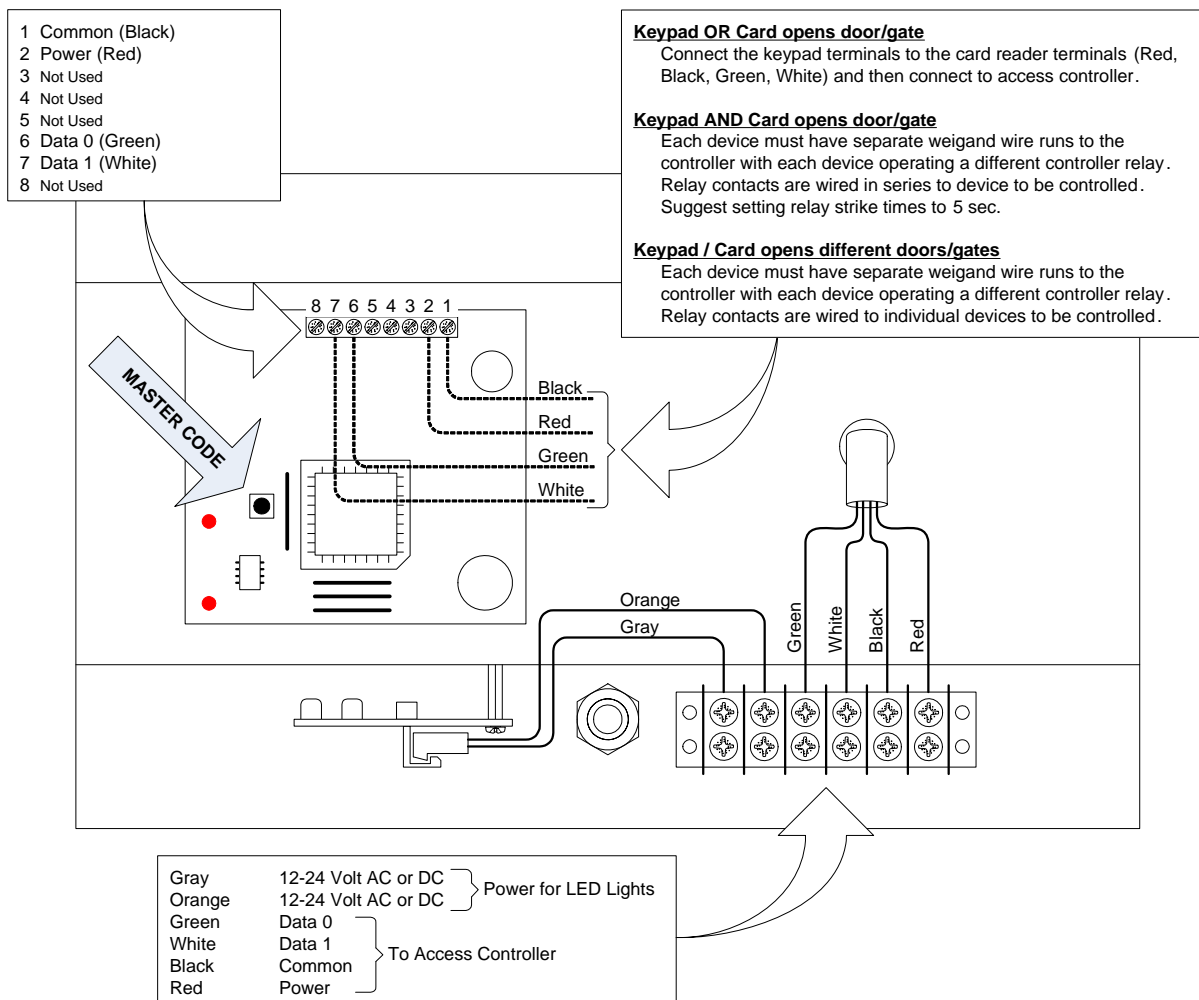# Weigand Keypad / Card Reader

These instructions apply to the following DoorKing products: 1815-247, 1815-248, 1815-249, 1815-250. **When used to control entry through an automated vehicular gate system, the keypad / card reader must be mounted a minimum of 10-feet away from the gate and gate operator, or mounted in such a way that the person using the keypad cannot come into contact with the gate or gate operator.**

Both the keypad and the card reader output their data in a 26-bit weigand format and must be connected to an access controller such as the DKS models 1833, 1835, 1837 or 1838. Each device operates independent of each other. Please refer to the access controller manual for more detailed wiring information.

1 Common (Black)
2 Power (Red)
3 Not Used
4 Not Used
5 Not Used
6 Data 0 (Green)
7 Data 1 (White)
8 Not Used

Keypad OR Card opens door/gate
Connect the keypad terminals to the card reader terminals (Red, Black, Green, White) and then connect to access controller.

Keypad AND Card opens door/gate
Each device must have separate weigand wire runs to the controller with each device operating a different controller relay. Relay contacts are wired in series to device to be controlled. Suggest setting relay strike times to 5 sec.

Keypad / Card opens different doors/gates
Each device must have separate weigand wire runs to the controller with each device operating a different controller relay. Relay contacts are wired to individual devices to be controlled.

MASTER CODE

8 7 6 5 4 3 2 1

Black
Red
Green
White

Orange
Gray

Green White Black Red

Gray	12-24 Volt AC or DC	Power for LED Lights
Orange	12-24 Volt AC or DC	
Green	Data 0	To Access Controller
White	Data 1	
Black	Common	
Red	Power	

Keypad Setup

MASTER CODE

1. Press the master code button on the circuit board once.
2. Enter a four-digit code _ _ _ _ then press * (beep).

FACILITY CODE

1. Press * 4 and the four-digit master code _ _ _ _ (beep).
2. Enter a three-digit facility code _ _ _ (000-255) then press * (beep).
3. Press 0 # together to end the programming (beeeeeep).
    NOTE: If facility codes are not used, skip this step.

ENTRY CODE BOUNDARIES

Boundary limits are used to limit the five-digit entry codes that can be used at the digital keypad. Set the boundary limits so that the five-digit entry codes do not duplicate any card or transmitter codes that are programmed into the system. For example, if transmitter codes 01000 through 02000, and card codes 06000 through07000 are already being used and programmed into the access controller, you could set the lower boundary to 03000 and the upper boundary to 05000. This prevents a five-digit entry code from accidentally duplicating a card or transmitter code.

1. Press * 5 and enter the four-digit master code _ _ _ _ (beep).
2. Enter a five-digit lower boundary _ _ _ _ _ then press * (beep).
3. Enter a five-digit upper boundary _ _ _ _ _ then press * (beep).
4. Press 0 # together to end the programming (beeeeeep).

REMOVING BOUNDARIES

1. Press * 5 and enter the four-digit master code _ _ _ _ (beep).
2. Enter 0 0 0 0 0 then press * (beep).
3. Enter 6 5 4 0 5 then press * (beep).
4. Press 0 # together to end the programming (beeeeeep).

USING THE # KEY

This programming sequence allows the weigand keypad to mimic a 4-digit entry code on the telephone entry system by allowing the first "digit" to be "#" instead of a number. The # key automatically defaults to "0" when the code is sent to the access controller. For example, if a 4-digit entry code programmed into the telephone entry system is 1-2-3-4, the user enters "#-1-2-3-4" on the keypad to open the gate. Using this feature, the user would still enter "#-1-2-3-4" on the keypad to open the gate, provided that the 5-digit device code 0-1-2-3-4 is programmed into the access controller.

1. Press * 8 and enter the four-digit master code _ _ _ _ (beep).
2. Enter 0 0 0 0 then press * (beep).
3. Enter 9 9 9 9 then press * (beep).
4. Press 0 # together to end the programming (beeeeeep).