

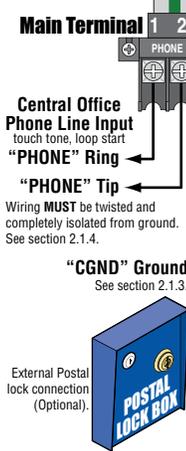
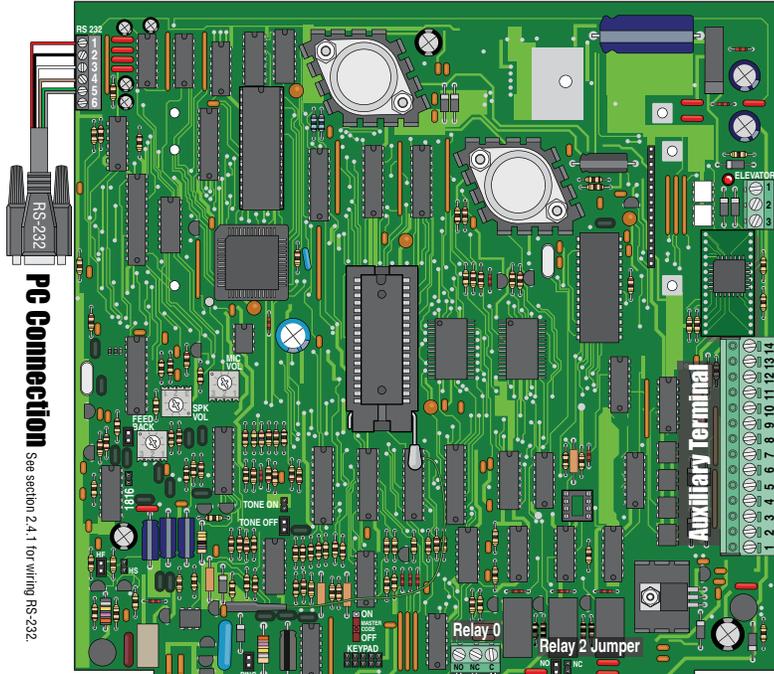
# 2.3.4 - ONE Remote Call Station

Sold Separately, provides voice communication to a remote location via the telephone network. Wiegand Relay 1 will activate for the programmed strike time.

- Remote Call Station with Keypad. P/N 1838-120.
- Remote Call Station with AWID card reader. P/N 1838-122.
- Remote Call Station with HID card reader. P/N 1838-123.
- Remote Call Station with DK Prox card reader. P/N 1838-124.

**100 feet Maximum Between Remote Call Station and the 1838.**

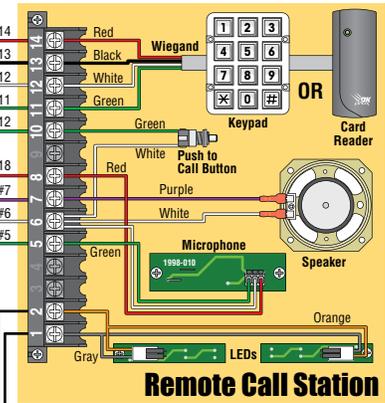
## 1838



**“PSW” & “COM” Switch Input**  
See section 1.4 for Postal lock connection. A switch closure across these terminals activates **Relay 1** for its programmed strike time.  
See section 3.2.7 Switch Input Feature.

### Activates Relay 1

Use 4 conductor, stranded with overall shield, 18, 20, 22 or 24 gauge for wiegand connection.



**Power Transformer OR connect to Aux term #5 & #6**  
Use **ONLY** 16.5 VAC UL Listed Transformer.  
Run 18 AWG wire up to 100 Ft.  
Run 16 AWG wire up to 200 Ft.

**#5 & #6 - 16.5 VAC Output:** Can be used to power remote call station.  
Power wire polarity does not matter.

**#3 & #4 - 12 VDC Back-Up Battery (Aux Term)**  
Back-up battery power for Wiegand inputs **ONLY**.  
A separate back-up battery is needed for the phone system.

**Power for Aux Terminal**  
14-Pin aux terminal.  
Powers RS-232, elevator control and Wiegand inputs.  
Power wire polarity does not matter.

**BOTH transformers MUST** be installed for the 1838 to operate. **DO NOT** use **ONE** power transformer to power both power terminals.

**Power for Phone**  
20 VA power for phone system **ONLY**.  
Power wire polarity does not matter.

**“BAT” & “COM” - 12 VDC Back-Up Battery Input (Phone System)**  
Back-up battery power for the phone system **ONLY**. A separate back-up battery is used for Wiegand devices connected to the auxiliary terminal when back-up battery power is being used. See aux terminal #3 & #4.

**Relay 1 Input**  
“1NO” - Normally Open (NO)  
“1NC” - Normally Closed (NC)  
“1C” - Common (C)

Relays activate a door lock or a gate operator for their programmed strike time at a controlled access point.

**Relay 2 Input**  
“2RY” - Contact (NO or NC)  
“2C” - Common (C)

“2RY” Contact is set NO or NC with **Relay 2 Jumper** on board.  
See section 4.3

**Relay 0 Input**  
NO - Normally Open  
NC - Normally Closed  
C - Common

Power for electric strikes or magnetic locks are **NOT** provided by the 1838. Use a separate UL listed power supply.



## 6.2 Accessories

**Plug-In LCD Display Screen:** Plug-in LCD display for the 1838. P/N 1838-220.

**Remote Call Stations: Provides voice communication to a remote location via the telephone network.**

With Keypad. P/N 1838-120.

With AWID card reader. P/N 1838-122.

With HID card reader. P/N 1838-123.

With DK Prox card reader. P/N 1838-124.

**Note:** When connecting two call stations together, P/N 1494-010 microphone combiner is needed.

**Intercom Stations:**

With Keypad. P/N 1504-120.

With AWID card reader. P/N 1504-122.

With HID card reader. P/N 1504-123.

With DK Prox card reader. P/N 1504-124.

**RF Devices:**

RF devices (transmitters/receivers) provide remote access control for vehicular gates.

DoorKing MicroPLUS™ wiegand receiver P/N 8056-080 and corresponding transmitters.

DoorKing MicroCLIK wiegand receiver P/N 8059-080 and corresponding transmitters.

**PROXmtr™:**

Provides both RF access control AND proximity card access control.

Requires a MicroPLUS wiegand receiver and DKS, AWID or HID proximity card readers.

**Digital Keypads:**

Mounts in single-gang electric box. P/N 1815-053 silver, P/N 1815-054 black.

Surface mount enclosure. P/N 1815-059.

Surface mount lighted enclosure. P/N 1815-051.

Flush mount lighted enclosure. P/N 1815-052.

**Digital Keypads and Intercom/Card Reader:**

Wiegand keypad plus built in intercom substation. P/N 1504-120.

Wiegand keypad and AWID card reader. P/N 1815-248.

Wiegand keypad and HID card reader. P/N 1815-249.

Wiegand keypad and DK Prox card reader. P/N 1815-250.

**Secondary Keypad:** Provides for use of 4-digit entry codes. P/N 1814-075.

**Tracker Expansion Board**

Expansion boards (P/N 2358-010) allow the 1838 to operate up to 24 individual doors or gates, provides door ajar and forced entry alarms, and can activate local and building alarm systems. Also allows DoorKing gate operators to report gate operator data and activity to the 1838.

**Elevator Board**

Elevator control boards provide control of up to four elevators, with each elevator having a maximum of 64 floors. P/N 2348-010.

**RS-232 Cable**

RS-232 cable with DB-9 connector on one end and wires on the other end. Use this cable to program the entry system from a PC using RS-232 communications instead of the modem. P/N 1818-040.

**TCP/IP Converter Kit - Third Party Connection**

Enables the 1830 series system to send and receive data via the Internet or a LAN. P/N 1830-185.

**TCP/IP Converter Kit - DoorKing IM Server Connection**

Enables the 1830 series system to send and receive data via the DKS Internet Server. P/N 1830-186.

**DKS VOICE/DATA Cellular System Kit - DoorKing Cellular Server Connection**

Enables the 1830 series system to send and receive voice/data via the DKS cellular Server. P/N 1800-080.

**RS-422 Adapter Kit**

Enables the 1830 series system to send and receive data to a PC. P/N 1840-055.

**Wireless Adapter**

Enables the 1830 series system to send and receive only data (no voice communication) to a PC without a cable connection. P/N 1815-521 - Base, P/N 1815-522 - 1 Remote, 1815-523 - 2 Remotes, 1815-524 - 3 Remotes.

**Yagi High-Gain Antenna**

Use with the wireless adapter to send and receive data much farther to a PC than the wireless adapter's antenna. P/N 1815-741.

**Telephone Test Set**

Includes clips, cord and carrying case. P/N 1800-050.

**Battery**

12 volt .8 amp hour gel cell provides stand by power during power interruptions. P/N 1801-008.