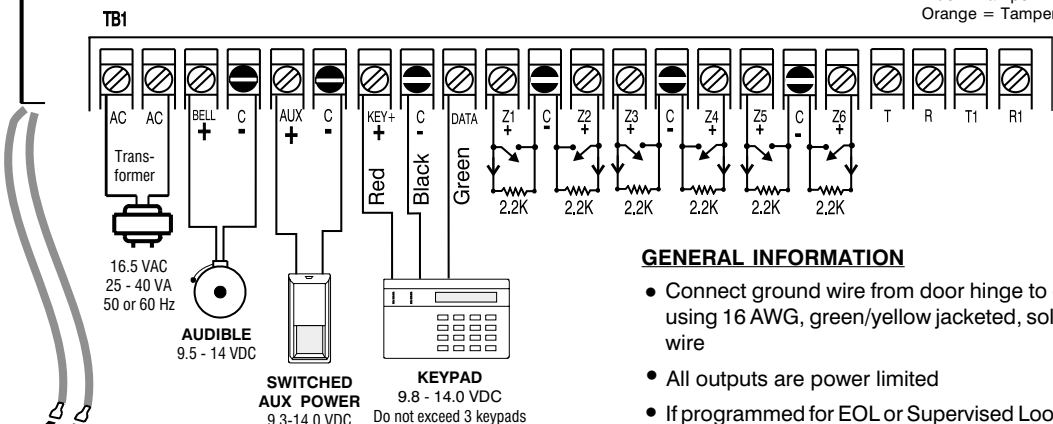
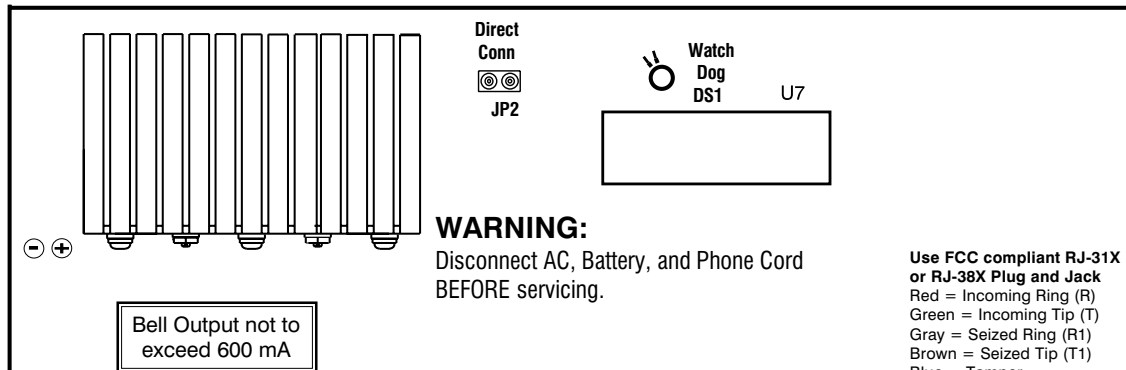


# System 236E Installation Instructions



12 VDC, 6.5 A-H  
 or  
 12 VDC, 4.0 A-H  
 Sealed Lead-Acid

**CAUTION:**  
 Total Power from terminals BELL, AUX, and KEY+ **NOT** to exceed 800 mA, combined.  
**All power outputs are current limited.**  
 (Also see NOTE: below.)

### GENERAL INFORMATION

- Connect ground wire from door hinge to earth ground using 16 AWG, green/yellow jacketed, solid-conductor wire
- All outputs are power limited
- If programmed for EOL or Supervised Loop, the 2.2K ohm EOL resistor must be at end of circuit
- Loop voltages:
  - 0.0 - 1.5 VDC = short
  - 1.6 - 3.1 VDC = normal
  - 3.2 - 5.0 VDC = open
- ● are electrically common
- When used as a fire warning system, use a 4-wire smoke detector (Sentrol #ES-449C) with a Power Supervisory EOL Relay Module (System Sensor A77-716 Series) at the end of the detector power loop. Consider the maximum detector alarm load when confirming that the total alarm load is less than 800 mA.
- The control unit shall be checked by a qualified technician at least every 3 years.

### POWER SUPPLY INFORMATION

Use only 12 VDC, 6.5 A-H or 4.0 A-H sealed lead-acid battery  
 Replace battery every 4 - 6 years with C&K Model 1265 or Model 1240  
 6.5 A-H standby battery time with 1 keypad is 24 hours at 150 mA  
 4.0 A-H standby battery time with 1 keypad is 7 hours at 400 mA  
 Power demand for AUX POWER, keypads, and sounders not to exceed maximum ratings.  
 Install transformer on unswitched power receptacle  
 Maximum battery charge current = 350 mA

This equipment should be installed in accordance with the National Fire Protection Association's Standard 72 Chapter 2 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269). Printed information describing proper installation, operation, testing maintenance, evacuation planning and repair service is to be provided with the equipment.

All ratings on this page are in compliance with UL 985, UL 1023, and UL 1635.

**NOTE:**  
 Total power from terminals AUX and KEY+ **NOT** to exceed 400 mA, combined.

