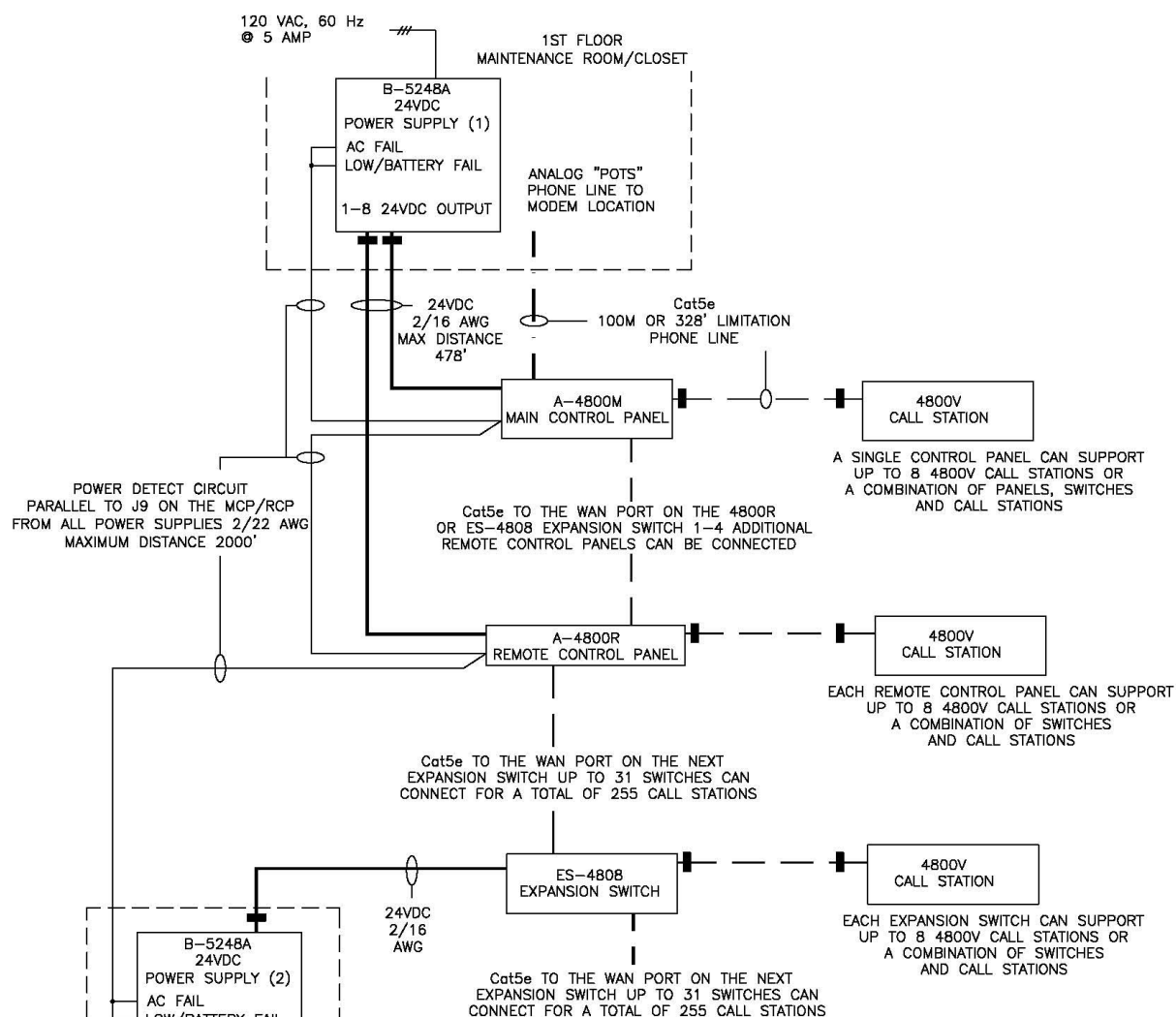


4800 SYSTEM RISER



CABLE LEGEND

- 2/22 AWG NON-SHEILDDED/STRANDED
UL CABLE MAXIMUM DISTANCE 2000'
- 2/16 AWG NON-SHEILDDED/STRANDED
UL CABLE MAXIMUM DISTANCE 478'
- - - Cat5e ETHERNET CABLE
STANDARD STRAIGHT-THRU,
TIA/EIA 568A OR TIA/EIA 568B
- EMI SUPPRESSION FILTERS
REQUIRED FOR FCC COMPLIANCE

4800 SYSTEM POWER SUPPLY AC BATTERY FAULT WIRING

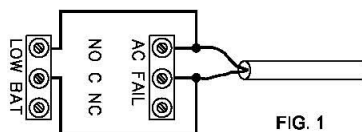
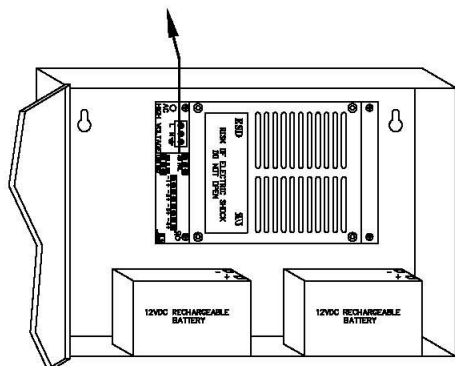


FIG. 1

THE 4800 SYSTEM PROVIDES LOSS OF AC/LOW BATTERY FAULT INFORMATION AT THE CONTROL PANELS, IN THE FORM OF AN ON BATTERY LED, ACTION REQUIRED LED WITH TONE AND A TEXT DESCRIPTION ON THE DISPLAY.



B-5243B

PARALLEL THE LOW/BAT AND AC FAIL (NO & C) CONTACTS, AS SHOWN IN FIG 1, WITH THE 22GA WIRE, FROM THE POWER SUPPLY TO THE J9 TERMINAL, (2) OUTER PINS, ON THE CONTROL PANELS.

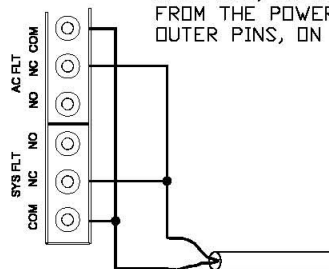
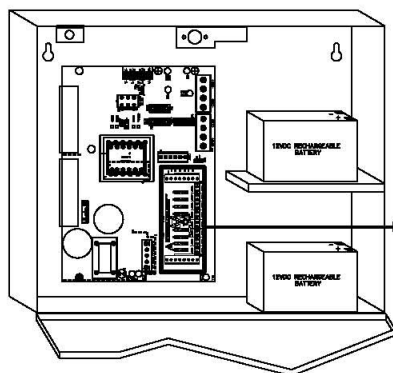
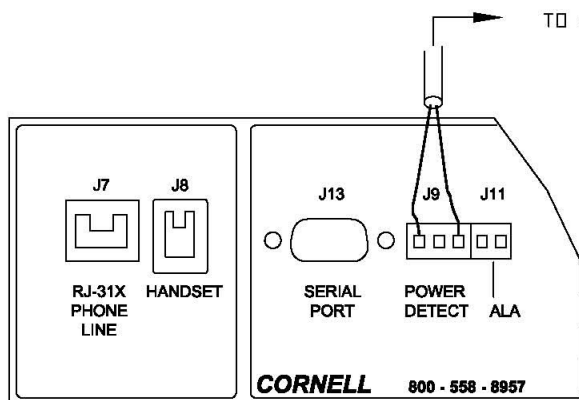


FIG. 2

B-5248A

PARALLEL THE SYS FLT AND AC FLT (NO & C) CONTACTS, AS SHOWN IN FIG 2, WITH THE 22GA WIRE, FROM THE POWER SUPPLY TO THE J9 TERMINAL, (2) OUTER PINS, ON THE CONTROL PANELS. (SEE BELOW)









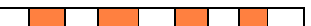

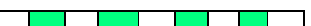

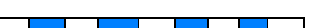


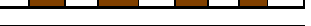
TO ALL SYSTEM POWER SUPPLIES.

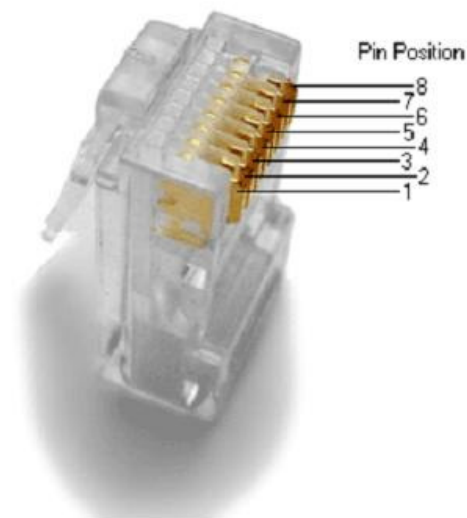


CONTROL PANEL(s)

TIA/EIA 568-A and 568-B Pin-Out

The TIA/EIA 568-A standard which was ratified in 1995, was replaced by the TIA/EIA 568-B standard in 2002. Both standards define the T-568A and T-568B pin-outs for using Unshielded Twisted Pair cable and RJ-45 connectors for Ethernet connectivity.

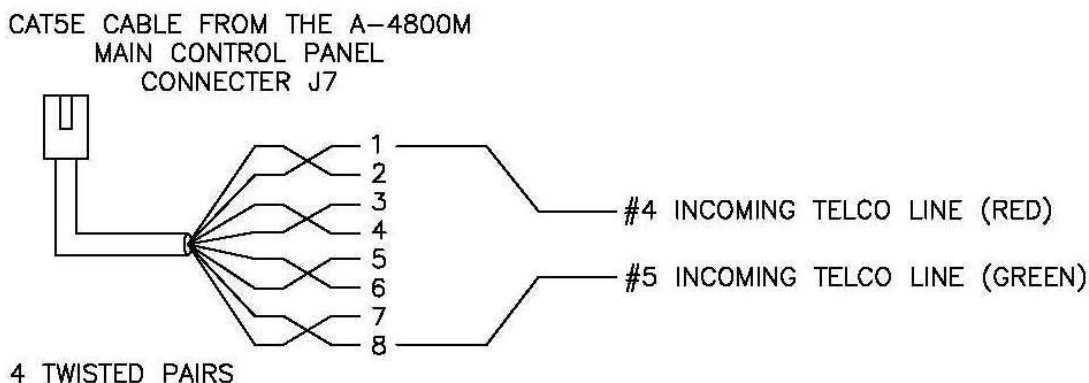
TIA/EIA 568A Wiring	
1	 White and Green
2	 Green
3	 White and Orange
4	 Blue
5	 White and Blue
6	 Orange
7	 White and Brown
8	 Brown
TIA/EIA 568B Wiring	
1	 White and Orange
2	 Orange
3	 White and Green
4	 Blue
5	 White and Blue
6	 Green
7	 White and Brown
8	 Brown



Caution - Properly trained personnel, familiar with Telecommunications Industry Associations 568 TIA/EIA standard, are required for proper installation. Failure to terminate the wiring correctly will cause damage to the system and void the warranty.

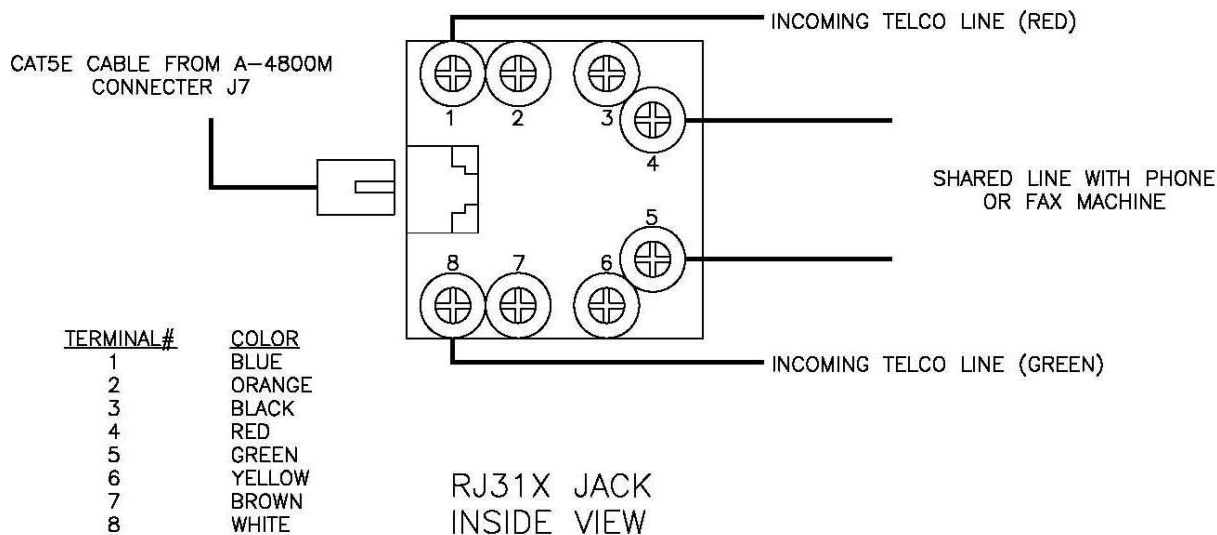
Dedicated Phone Line Connection

The 4800 Digital Emergency Communication System has an internal modem that can be connected to an Analog “POTS” dedicated telephone line, as shown in the diagram below.



Shared Phone Line Connection

The 4800 Digital Emergency Communication System also incorporates a telephone line “Seizure” capability. If the 4800 system is required to share a phone line with another device, an RJ31X jack must be installed as illustrated below. Proper installation of the RJ31X jack will allow the 4800 system to “Seize” the shared analog “POTS” line and place an emergency call to the assigned monitoring location.



1. Connect a standard straight-thru Cat5e cable from the RJ31X jack to the J7 port on the Control Panel. (See pages 11 & 12)
2. Connect the incoming phone line to terminal #1 and #8 as shown.
3. Connect the sharing phone or fax machine lines to terminal #4 and #5 as shown.