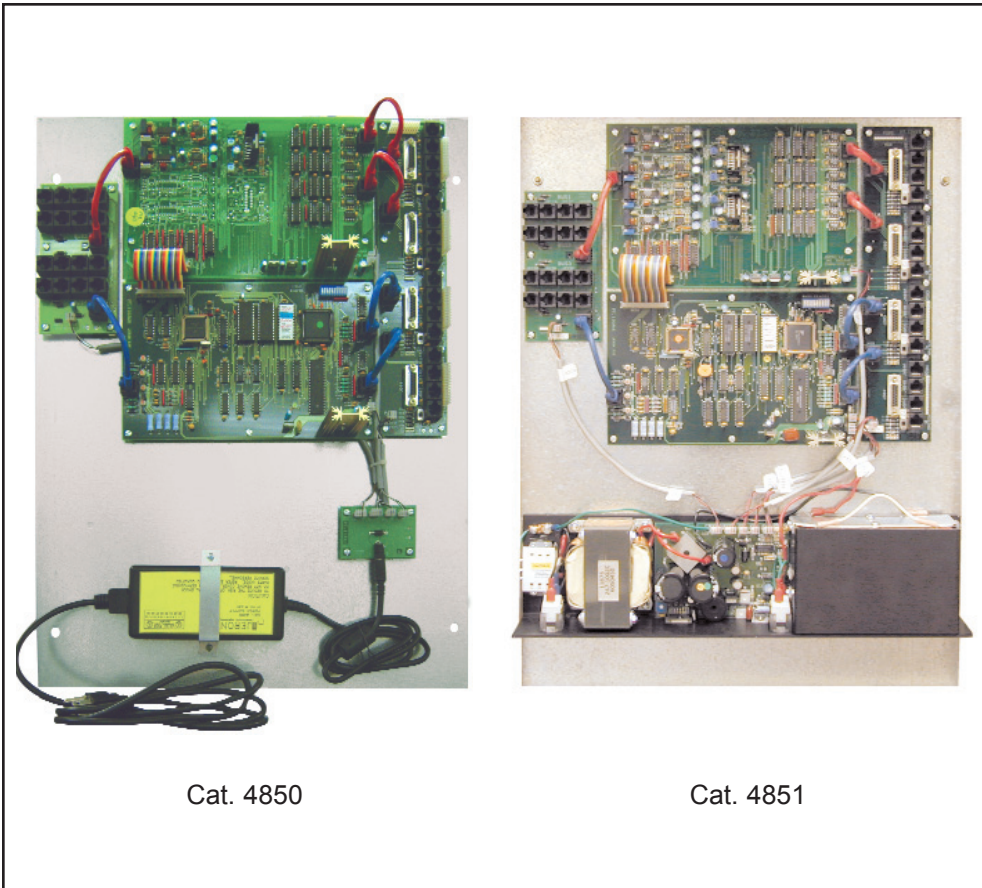


Security Intercom System

Main Control Unit Cat. 4850 /4851



Cat. 4850

Cat. 4851

main control supports up to 128 remote call stations without the need for additional control or audio expansion equipment. A fully networked system can support up to four 4865 masters or 16 Cat. 4875/76 Master Consoles as well as a maximum of 512 remote call stations.

The main control may be interfaced to a computer or to a radio page system via the Cat. 4861 Computer/Radio Page Interface.

The main control continuously tests the system for master and room station response; diagnostic messages are reported to master stations.

The self-charging battery backup (4851 only) maintains full system function during line power outages. Non-volatile program memory eliminates the need to reprogram the system if power is disconnected.

System configuration is programmed at the installation to meet facility requirements and can be changed at any time by using a PC and the 4890 Administration Software. No wiring changes are required.

Features

- Cat-5 cable connectivity
- Multiplex/microprocessor design
- Continuous self-diagnostic test
- Backup battery included on Cat. 4851

Description

The Cat. 4850/4851 Main Control provides microprocessor signal control electronics, audio amplifiers, line power supply, and backup battery power supply (4851 only) for Pro-Alert 480 Intercom Systems.

The main control is capable of accepting combinations of 4875/4876 Masters, and 4865 Direct-Select Masters without modifications or additional equipment.

Operation

The main control provides power, voice amplification, signal tones, and multiplex control logic for master stations and remote stations. In a non-networked system, the main control provides connections for up to two 4865 master stations or up to eight 4875/76 Master Consoles. A single non-networked

Equipment

Central system equipment consists of a main control mounted in a central equipment enclosure. RJ-45 connections for remote stations and 4875/76 Master Consoles allow for simpler wiring at the main control and to stations throughout the system using Cat-5 cable.

— Continued on Back —

4850/51 Main Control Unit

Technical Data

Diagnostic Indicator LEDs:

- (1) Green, valid configuration
- (4) Red, data bus fault

Field Connections:

- (2) D-Sub-15 with locking screws for cables to 4865 master stations
- (8) RJ-45 for 4875/76 Master connection
- (16) RJ-45 for bus station connection
- (2) 15-pin, IDC master connections
- (1) 9-pin, IDC Aux connection

Primary Power: 105 to 132V, 60Hz @ 1.5A

Operating Duty Cycle: Continuous

Battery Backup (4851 only): Provides normal operation for minimum of 15 minutes

Audio Amplifier:

Balanced pair input/output; maximum 5W continuous, 10W peak; filtered for voice

reproduction

Environment:

Temperature range: 32–120° F (0–50° C)

Maximum relative humidity: 85% @ 86° F

Enclosure (for 4850 or 4851):
Cat. 5288 Central Equipment Enclosure

W x H x D:
18 x 24 x 4 in.
(46 x 61 x 10 cm)

Associated Equipment

Radio Page

- Cat. 4861 Computer/Radio Page Interface with Cat. 4891 Radio Page Interface

Connection of System to a Listed PBX Telephone System

- Cat. 4862 PBX Telephone Interface
- Cat. 4875 Master Console

Masters & Remote Call Stations

Cat. 6869 Master Cable Extender Block

Cat. 4890 Administration Program Software

Cat. 5288 Central Equipment Enclosure (required)

PRODUCT SUBJECT TO CHANGE WITHOUT NOTIFICATION.
