



Health Care Call System

Main Control Equipment Cat. 6150/6153

DESCRIPTION

The Jeron Cat. 6150/6153 Main Control has provisions for all of the necessary equipment to provide control for up to 250 Room Stations and four independent Nurse Master stations.

- Microprocessor-Controlled
- Continuous Diagnostic Self Test
- Multiplexed Zone and Duty Wiring
- Optional Battery Backup

The Jeron Cat. 6150 Main Control and Cat. 6153 Main Control with battery backup have a basic capacity of four independent Nurse Master Stations and 30 Zone and Duty Stations. The advanced microprocessor design allows for the reassignment of Room Stations to Master Stations and Zone or Duty Stations independently with no wiring changes. The data communications between the Main Control and Room Stations, Master Stations and Zone/Duty Stations employ continuous diagnostic polling supervision to test system response. The diagnostic messages are displayed at the Nurse Master Stations LCD.

The EEPROM type non-volatile memory is employed to store all programmable configuration data such as room numbers, and will protect data indefinitely.

The Cat. 6150 and Cat. 6153 Main Control operate from an internal 28 VDC regulated power supply. The built-in self charging battery backup (Cat. 6153 only) provides automatic transfer if the building power fails.



The normal system operation including audible and visual signaling is retained for over 15 minutes. The power supply is protected against system wiring overloads and short circuits. The recovery from these conditions is automatic upon the removal of the overload. The dual transient suppressors filter the input power surges and noise.

All of the circuit boards are mounted on a heavy gauge metal backplane for installation in the Cat. 6888 Enclosure with hinged door and lock.

The Cat. 6152 Expander boards are used to increase the basic capacity of the Cat. 6150/6153 from 96 rooms to 192 rooms (one Cat. 6152) or 250 rooms (two Cat. 6152). The Cat. 6152 boards mount on the 6150/6153 backplane.

The Cat. 6150 and Cat. 6153 Main Control may interface with any RS-232 serial device such as a printer, video display terminal, computer with Cat. 6893 Jeron Nurse Call Executive Information System installed, or Radio Pocket Page terminal by using the Cat. 6861 Computer/Data Interface.

TECHNICAL DATA

Controls/Indicators:

- Main Power: Combination ON/OFF switch and 2A circuit breaker
- Battery Power (6153 only): Combination ON/OFF switch and 4A circuit breaker

Built-in Diagnostics:

- Ground Fault: Yellow LED indicator
- Data Fault: Red LED indicator
- Program Run: Green LED indicator

Printed Circuit Boards:

- UL 796 Listed FR-4 glass epoxy

Field Terminations:

Main/Master:

- D-SUB connector with locking screws
- Alternate IDC terminals for extender cable

Main/Room Station:

- Barrier screw terminals

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JERON®

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Transient Suppression:

- Two, MOV type

Primary Power:

- 105 to 132 VAC 60 Hz @ 1.5 A

Power Output:

- 28 VDC @ 100 VA current limited

Operating Duty Cycle:

- Continuous

Battery Backup (6153 only):

- Normal operation for minimum of 15 minutes

Environment:

- Ambient Temperature Range:
32 – 120° F (0 – 50° C)
- Relative Humidity Range:
0 - 85%

Weight:

- 65 lbs. (29 kg)

Enclosure for 6150 or 6153

(H x W x D):

- Jeron Cat. 6888:
18 x 24 x 4 in.
(46 x 61 x 10 cm)

Certification:

- UL 1069 Listed
- C-UL— Canadian Standard
C22.2 NO.125

PRODUCT SUBJECT TO CHANGE WITHOUT NOTIFICATION.