

Main Control Equipment

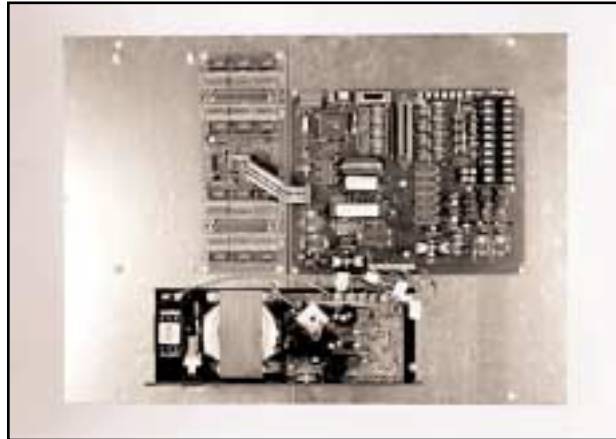
Cat. 6450/6451

DESCRIPTION

The Jeron Cat. 6450/6451 Main Control provides a built-in power supply and microprocessor based control electronics for processing call data, two-way voice intercom, and diagnostic functions required for communication between up to four Nurse Master Stations and 96 rooms.

System capacity can be expanded by using the Cat. 6452 Main Control Expander and linking two Main Controls for a maximum of six Nurse Master Stations and 384 rooms.

- Microprocessor Controlled, Modular Expandable Design
- Standard Power Supply or Optional Battery Back-up
- Solid-State, Non-Volatile User Programmable Memory
- Two Independent, Two-Way Audio Amplifiers with Built-in Short Circuit and Overload Protection
- Annunciation of 3 Distinct Priority Levels
- Optional, Plug-in Data Interface for Radio Page or PC Data Archival
- Optional, Plug-in Telephone Interface for Remote Call Answer
- Electro-Static Discharge (ESD) Hardened for the Healthcare Environment
- Plug-in Connection of Room Station Direct Wires and Master Stations
- Multiplexed, Programmable Master, Zone and Duty Stations for Reduced Wiring
- Continuous Diagnostic Polling of all Rooms and Master Stations



- Self-Resetting, Current Limit Devices Protect Room Station Field Wiring
- Diagnostic LED Indicators to Monitor Field Wiring and System Operation

ASSOCIATED EQUIPMENT

- Cat. 6171 Terminal Block
- Cat. 6671 Terminal Block
- Cat. 6452 Main Control Expander
- Cat. 6652 Supplementary Power Supply
- Cat. 6851 Supplementary Power Supply with Battery Back-up
- Cat. 6888 Enclosure (required)

ARCHITECTS/ENGINEERS SPECIFICATIONS

The Main Control shall be Jeron Cat. 6450 or Cat. 6451 Main Control with battery back-up and shall be equipped with microprocessor based control electronics for processing call data, voice intercom, diagnostic functions and power supply for system operation.

Main Controls shall accommodate expander modules and be capable of being linked to increase the room capacity in increments of 96 rooms up to a maximum capacity of 6 Master Stations and 384 rooms.

The Main Control shall provide two, independent, two-way audio amplifiers with built-in short circuit and overload Protection

The Main Control shall accept optional plug-in modules to provide data interface for Radio Page, PC data archival and remote telephone call answering with no modification.

Equipment shall be hardened for electro-static (ESD) to 25,000 volts.

Main controls and Supplementary Power Supply Cat. 6652 or Cat. 6851 with battery back-up, if required, shall be installed in Jeron Cat. 6888 covered steel enclosures.

Jeron Cat. 6671 and Cat. 6171 Terminal Blocks shall be used to interface the Nurse Master Stations and Remote Stations to the Main Control equipment.

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JERON®

Main Control Equipment Cat. 6450/6451

EXPANSION CAPACITY

MASTER STATIONS	ROOMS (WITH ONE OR MORE STATIONS)	REQUIRED EQUIPMENT
UP TO 4	UP TO 96	1 - 6450/51 MAIN CONTROL
	UP TO 192	1-6450/51 MAIN CONTROL 1 - 6452 MAIN EXPANDER 1 - 6652/6851 SUPPLEMENTARY POWER SUPPLY
UP TO 6	UP TO 288	2 - 6450/51 MAIN CONTROL
		1-6452 MAIN EXPANDER 1 - 6652/6851 SUPPLEMENTARY POWER SUPPLY
	UP TO 384	2 - 6450/51 MAIN CONTROL 2 - 6452 MAIN EXPANDER 2 - 6652/6851 SUPPLEMENTARY POWER SUPPLY

TECHNICAL DATA

Controls/Indicators:

- Main Power: Combination ON/OFF switch and circuit breaker
- Battery Power (6451 only): Combination ON/OFF switch and circuit breaker
- Two outgoing volume level controls
- 9 – Diagnostic LED indicators

Power Supply:

- Primary Input: 105 to 132 V, 60 Hz @ 1.5 A; circuit breaker protected output 28 VDC
- (6451 only) Battery supply output nominal 24 VDC provides 5 min. operation for all system functions.

Audio Amplifier:

- Two independent two-way amplifiers
- Balanced Pair input/output
- Maximum output 7 W continuous
- 10 W peak
- filtered for voice reproduction

Field Connections:

(6450 / 6451)

- 3 – 25 pair Centronic™ connectors
- 2 – 10 circuit terminal block
- 1 – 5 circuit terminal block
- AC power and building ground screw terminal blocks

(6452 Main Expander)

- 96 room capacity
- 2 – 25 pair Centronic™ connector
- 1 – 14 pin flat cable connector

Environment:

- Temperature Range: 32 – 120° F (0 – 50° C)
- Maximum Relative Humidity: 85% @ 86° F

Weight:

- 65 lbs. (29 kg)

Enclosure (H x W x D):

- 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.