Hospital Systems

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HSIheadwalls.com

# Security Console

## Secure Patient Services Console

100% USA Manufactured

12 Year Product Warranty

All specifications are nominal and subject to change without notice. Hospital Systems, Inc. makes no warranty, expressed or implied, except for the express written warranty extended on the sale of its products.

SECURITY CONSOLE basic unit shall be manufactured by Hospital Systems, Inc., Pittsburg CA 94565 USA, in accordance with shop drawings and documents. The following is a general specification, and components listed may not be present or required in final product.

The SECURITY CONSOLE is listed by Underwriters Laboratories Inc. (UL) in Canada and the United States of America. This product also complies with the seismic requirements of, and is approved by, the State of California's Office of Statewide Health Planning and Development (OSPHD). HSI manufactures all products in accordance with the National Fire Protection Association (NFPA), NFPA-99 (current edition) and National Electric Code (NEC).

The installation contractor is responsible for compliance with all local, state, and federal codes applicable to the installation of medical gas and electrical systems.

### 1. Submittals and Approvals:

Job specific shop drawings shall be produced for each project. These shop drawings will clearly indicate the area of Medical Gas termination, and electrical connection points inside or outside the SECURITY CONSOLE. Drawings of Record will be produced, and emailed at the time of shipment, upon request.

HSI will manufacture equipment as per signed approval drawings and verification documents, which are provided in the job specific submittal package.

### 2. Basic Construction

Backbox shall be a code gauge, formed aluminum trough with a combination of 1/2 inch and 3/4 inch knockouts on top and bottom of the backbox. A preformed aluminum end cap shall be permanently attached to the backbox. A powder coated or stainless steel locking fascia panel shall be field attached to the backbox assembly by the installing contractor using screws provided by HSI Electrical conduit runs to the knockouts and wiring within the console shall be the responsibility of the electrical contractor. Medical gas outlets shall be installed in the consoles by the mechanical

contractor.

Individual fixed barriers in the backbox shall be pre-installed by HSI at the factory to separate different voltages and mechanical services. The security door shall be made of 16ga steel, powder coated, Antique White or stainless steel with a full width hinge and minimum of two locks. The door folds down flat against the wall to allow maximum clearance for any medical gas devices. Stainless steel is also available.

## 3. Components

### A. Electrical

**ELECTRICAL RECEPTACLES**

Receptacles shall be the type and quantity as shown on the drawings and specified. Unless otherwise noted 2 pole, 3 wire, rated at 20 amps, 120 Volt, Hospital Grade shall be provided. Also available: BS, DIN, and others.

- **Duplex receptacles** shall be NEMA style 5-15R or 5-20R, color Ivory for use on normal power circuits, and color Red for use on critical branch power circuits.
- **Simplex receptacles** shall be NEMA style 5-15R or 5-20R, color Ivory for use on normal power circuits, and color Red for use on critical branch power circuits.
- **Safety receptacles** (if required) shall be duplex type, be NEMA style 5-15R or 5-20R, color Ivory for use on normal power circuits, and color Red for use on critical branch power circuits. Receptacles shall limit proper access to energized contacts.

**GROUNDING JACKS**

Externally accessible grounding jacks shall be provided in the Security Console wall unit as shown in these shop drawings. The solid brass receptacle shall be enclosed in a non-conductive housing and shall be spring loaded, with a twist-to-lock action and shall be manufactured to the requirements of NEC article 517, and NFPA 99.

**SWITCHING**

Switches shall be Industrial Grade 120/277 volt, 20 amps. Switch type options include SPST, 3-Way or Momentary, and shall be provided as shown on submittal shop drawings. Low Voltage Switching will be 0-12 volts, 15 amps unless otherwise noted. HSI shall furnish, pre-install and wire all switches.

### B. Med Gas

**MEDICAL GAS STATION OUTLETS**

Oxygen, vacuum, medical air, evacuation, and nitrous oxide outlets shall be as indicated in plans and specifications. All outlets when provided by HSI will be shipped loose. The mechanical contractor is to install.

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### C. Lighting (Optional)

**AURORA™ LIGHTING FIXTURE**

When indicated on the drawings, the overbed safety lighting fixture shall be provided. Lamps are provided by others.

**AMADEA LIGHTING FIXTURE**

When indicated on the drawings, the high end overbed lighting fixture shall be provided. Lamps are provided by others.

### D. Provisions

**NURSE CALL EQUIPMENT**

All nurse call equipment shall be furnished and installed by others as indicated in the plans and specifications. A labeled pull-cord shall be provided by HSI for use by the nurse call installer.

**MONITORING EQUIPMENT**

Monitor equipment shall be provided and installed by others. HSI shall provide a matching blank plate for the monitor receptacle to the monitor supplier when requested. The SECURITY CONSOLE unit will include a factory installed raceway and labeled pull cord to accommodate the monitor wiring. Where specified a monitor slide and optional pivot/tilt arm shall be provided to support the physiological monitor.

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## 4. Installation

The installer or contractor shall install back box, medical gas outlets and all receptacles and devices. Installer or contractor shall also install cover plates and front fascia with attached security door. Instructions shall be furnished by HSI The installer or contractor shall make connection of building services to devices as shown on the electrical drawings and as herein specified. Customer shall coordinate with Hospital Systems, Inc. for equipment supplied by others to ensure compatibility of this equipment with the console. The installer or contractor shall provide connections to the medical gas outlets as detailed on drawings. It shall be the responsibility of the mechanical contractor to perform and certify all pressure tests as required by NFPA 99c, and to install the gas outlet finishing assemblies. Please refer to the installation instructions for further details.

## 5. Ordering Information

All HSI headwalls are Build-to-Order and will be assigned their own unique model numbers during the submittal phase.

Please visit our website at www.HSIheadwalls.com for the contact information of your local sales representative