

HARC ROOM VALET®

Submittal and Specifications

General

The room (unit, suite, etc.) shall have an integrated, self monitoring visual alerting system that complies with sections 9.0 to 9.5.3 and 4.28, 4.28.3 and a.4.28.4 of the AMERICANS WITH DISABILITIES ACT GUIDELINES FOR BUILDING AND FACILITIES (ADAAG), appendix to the US Department of Justice Regulations, Vol. 56, No. 144.

The system shall be a HARC Room Valet Visual Alerting System with a sufficient number of display panels that will allow the occupants of the room(s) to always be in visual contact with a display panel. One display panel shall be located in every room in the general living area and in each bathroom, powder room or rest room.

The Room Valet shall be connected to the central fire alarm system via an approved isolated relay with form C contacts, such as the ESL-405 series or equivalent. This relay shall be provided and installed by the central alarm installer. The central alarm system shall also provide visual alerts maintained, controlled and powered from it. These visual alerts shall be located throughout the room in sufficient numbers and location to meet all codes and regulations.

The Room Valet shall connect to the in-room visual smoke/fire detector(s). The detector(s) shall be a Gentex 7109 series or equivalent and shall have a built-in form C relay to which the Room Valet shall be connected. If the room configuration is such that more than one detector is required to meet all codes and regulations, then these devices shall be run in tandem for simultaneous activation. The connection to the Room Valet shall be from the closest detector location to the central panel.

The Room Valet shall be connected to the phone service or system that specifically services the room. The interconnection shall be to the tip and ring wires. Should the phone system be of a design which is not compatible with the ring detect circuit of the Room Valet, then the supplier or installer of the telephone system shall provide either a dry contact closure or a proper interface to allow connection from phone system to the Valet's ring detect circuit.

The Room Valet shall be connected to a door push button located at the outside of the entry door(s) servicing the room. The button shall be mounted on a single gang electrical plate which in turn shall mount to a single gang electrical box. The recommended location of the door button shall be at the latch side of the door at a height to comply with all codes.

Wiring

All interconnect wiring, to and from all signal sources, display panels and/or bed shaker

locations, shall be 24 gauge, 4 pair solid twisted, category 5 type wire. The wiring, conduit and boxes shall be provided and installed by the contractor and shall be run in accordance with local code. It is recommended that all runs be pulled through a conduit system.

Display Panels

All display panels shall be mounted on a wall and to a junction box to which its interconnect wire has been pulled. In the general living area, that J box should not be mounted higher than 56.5" to its center, with a clear wall surface of 4" left and right and 8" below and above its center. In secondary living areas, such as the rest room, the junction box servicing that display panel shall be located so the panel will be clearly visible and the clear wall area of 4" left and right and 8 below and above center is maintained.

Bed Shaker

The termination of the output to the bed shaker(s) shall be a single gang electrical box located between, behind or adjacent to the beds in the room. The bed shaker output may share a phone system device opening if the configuration of the room allows. The bed shaker device output plate is available with a single bed shaker jack, double bed shaker jack, single bed shaker with RJII jack, or double bed shaker with RJII jack (specify plate configuration).

Central Panel

The area chosen for the central panel should be centered in the area to be serviced by the Room Valet System. It shall be in a discrete location such as a closet, under a vanity, etc. However, it shall be easily accessible for the installer and maintenance personnel.

Flush Style Enclosure

The flush style enclosure shall consist of two major components: one being an enclosure box and the second an access panel/door and trim assembly. The enclosure box shall be located in the wall and be securely fastened to the framing. It shall be mounted approximately 60" to center from the floor and positioned so its leading edges will be flush with the finished wall surface. The approximate dimension of this enclosure shall be 12.35" wide, 16.35" high, and 4" deep. All conduit containing switch legs and/or display wiring must be connected directly to the enclosure utilizing the knock outs provided. These runs shall hit the enclosure from the top or side. A low profile single gang handy-box, trimmed with standard duplex grounded outlet and plate shall be mounted inside the enclosure at its lower right hand corner to which a 110V AC circuit shall be run to provide power for the Room Valet system. After the wall covering has been installed, the access panel/door and trim assembly shall be attached to the enclosure box. The approximate outside finished dimension will be 13.6" wide, 17.6" high and shall be self trimming. The finish of this access panel/door shall be primer paint and be equipped with a cylinder cam lock.

Room Valet System Overview

The Room Valet is designed for easy installation and is rugged enough to take daily abuses associated with the commercial hospitality environment.

The Room Valet was specifically design to comply with the ADA guidelines. It is the first fully integrated alerting system designed specifically to meet the rigors of commercial installations providing features not found on any other product. The Room Valet meets and exceeds current A D A requirements for visual alarms and notification devices for hotels, motels, inns, boarding houses, dormitories, resorts, homeless shelters, halfway houses. As well as group homes, assisted and independent living centers, retirement homes, and any other similar living facility or transient lodging.

The Room Valet is a hardwired, microprocessor based, fully supervised alerting system and its back up power supply assures operating reliability at all times.

The Room Valet can be used to alert persons in private residences, condominiums or apartments. Basically any place where hearing normal audible notification signals such as the phone, door bell, alarm clock, smoke alarm, central alarm system, CO detectors, etc. is difficult.

The Room Valet is designed to be reliable, accurate and functional even under adverse conditions. Its built-in battery back-up system allows continuous operation for several hours in case of a power outage.

The Room Valets supervision system monitors its circuits, components and wiring, notifying if a failure is detected.

The Room Valet would be the primary notification system for non-emergency alerts such as the door, telephone and wake-up. It would provide secondary notification for life safety devices such as visual smoke detectors, visual/central alarm systems and CO detectors, providing tactile alerting and additional visual notification as back up.

The Room Valet was created from years of insight into the human needs of the hard of hearing. This was combined with the realization that the only available A D A solutions were products which fell dependably and logistically short of fulfilling its requirements. A product was needed to meet the performance demands of the commercial marketplace yet be user friendly.

Room Valet Components:

(See figure 1-1)

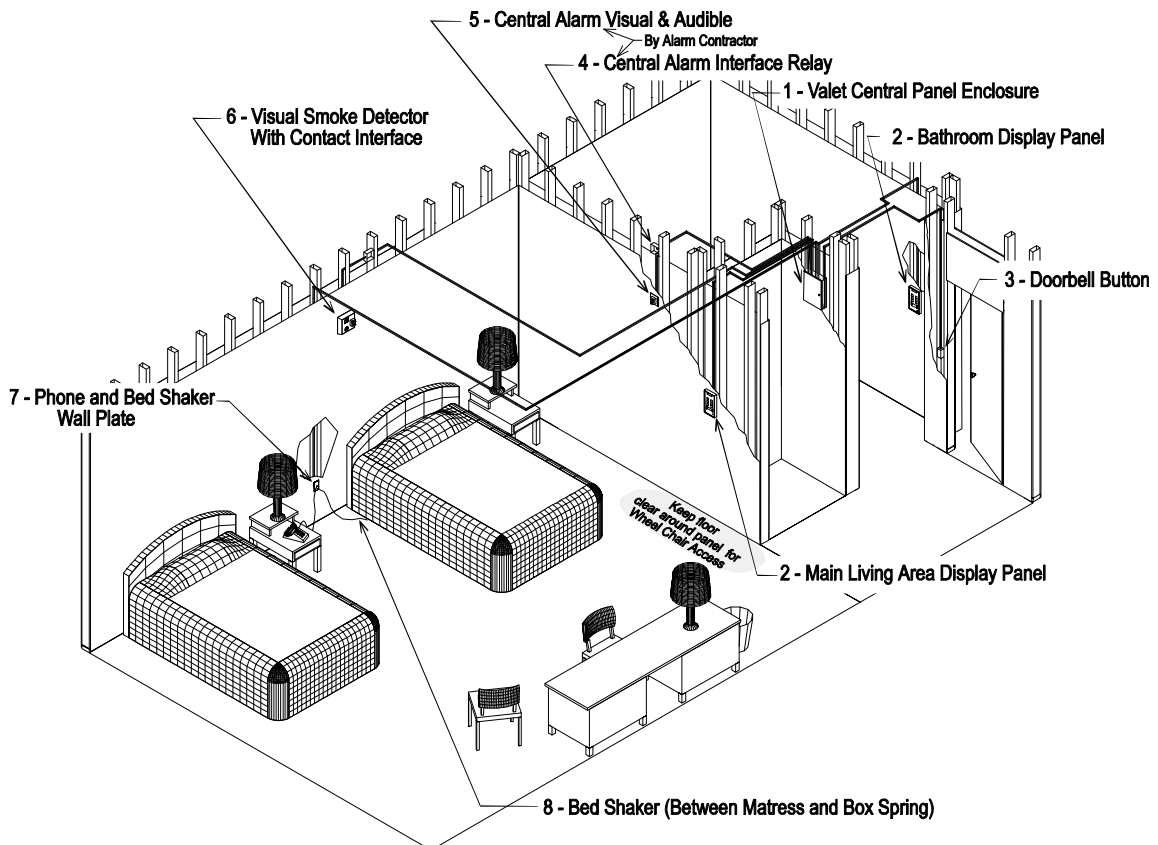
1 - Room Valet Central Enclosure

The Room Valet Central Panel Enclosure is where the main control circuitry is housed for the System.

Inside the central panel, enclosure is the system: main electronics module, power supply, battery, and any additional optional electronics.

The enclosure is flush mounted in a wall with a hinged, self-trimming, locking door.

The enclosure is designed to be installed in a closet, as shown in figure 1.1. Behind a door or under a counter are also good locations.



The location of the central panel enclosure does not necessarily need to be inside the room.

Figure 1.1 - Valet Component Layout in a Typical Room

The central panel enclosure should be located within a 150 foot wire run of the designated room, with the display and other wire runs originating from that location back to the room(s).

2 - Room Valet Display Panel(s)

The Room Valet Display Panels are the user interface of the system.

The Display Panels attached to the walls on a self-latching back plate mounted to a standard, double-gang junction box in high visibility areas. (Figure 1.1 shows typical panel locations for a two-room installation.)

Room Valet Display Panel(s) (Continued)

Floor space should be left around the panels to allow wheel chair access to the panel(s). (See Figure 1.1)

At least one panel should be installed in each room.

The System can support up to six (6) display panels.

3 - Door Button

Works similarly to a standard doorbell.

4 - Central Alarm Interface Relay* (Not Part of The Room Valet System)

This isolation relay serves as the demarcation point between the Central Alarm System and the Valet system.

5 - Central Alarm Signaler * (Not Part of The Room Valet System)

In hearing impaired sleeping areas a 110 to 170 candela strobe, is required depending on its mounting location.

***(These devices to be installed supervised and maintained by Central Alarm Contractor)**

6 - Smoke Detector (Not Part Of The Room Valet System)

An in room Visual Smoke Detector is required.

The Smoke Detector needs an isolated set of Form "C" relay contacts to allow interfacing to the Room Valet System.

The GENTEX 710/CS or 7109/CS or similar smoke detector with strobe is ideal for use with the Room Valet and is typically installed as shown in figure 1.1.

If the in-room Smoke Detector is part of and addressable Central Alarm System then an addressable relay closure must be given to the Room Valet System by the Central Alarm System when the Smoke Detector is activated.

7 - Phone and Bed Shaker wall plate

The Room Valet uses a bed shaker for tactile alerting.

The bed shaker is about the size of a hockey puck and contains a vibrating mechanism.

When the bed shaker is properly positioned between the mattress and box spring, the whole bed will vibrate.

The bed shaker cord has a 1/8" two conductor phono type jack which plugs into the wall plate that is wired to the valet central control box.

For convenience, the wall plate supplied with the Room Valet has the appropriate phono jack(s) installed along with a standard RJ11 telephone jack.

This plate configuration allows easy installation of both phone and bed shaker jacks near the bed as shown in figure 1.1, which satisfies most typical room installations.

Display Panel (s)

The Valet Display is the input output device of the valet system.

The display measures 11" High 6" Wide and is approximately 1" Thick.

The Display Panel has six (6) main Icons for indicating alarms. (See figure 1.2)

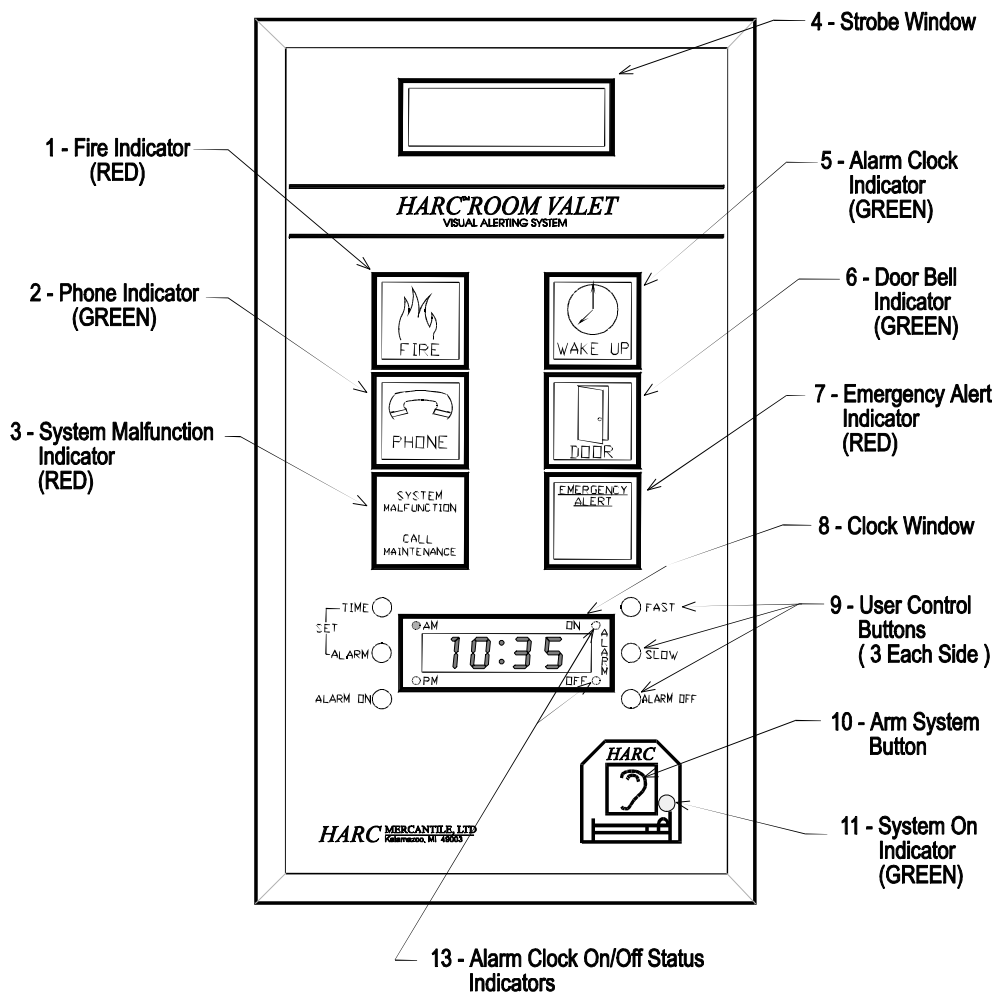
The display panel also contains a clock that also functions as an alarm clock.

Display Panel Features:

- 1** - Fire Indicator (RED) Icon is typically used to signal that the in room Smoke detector is activated.
- 2** - Phone Indicator (Green) Icon illuminates to signal that the telephone is ringing.
- 3** - System Malfunction (RED) Icon will light when a systems malfunction is detected.
- 4** - Strobe Window when the valet system is armed for the hearing impaired the strobe flashed for all alarms
- 5** - Alarm Clock Indicator Icon (GREEN) Signals that the valets on board alarm clock has been activated.
- 6** - Doorbell indicator (GREEN) signals the door-button has been pushed. For a second door, Icon can be configured to flash to differentiate between the doors.

- 7 - Emergency Alert Indicator (RED) Icon signals that the buildings central-alarm system has activated.
- 8 - Clock Display Window
- 9 - User Input Buttons to set the clock/Alarm and turn the valet alarm clock on and off.
- 10 - Arm System button activates the valet into Hearing-Impaired mode. In this mode the bed shakers, Strobe, and Icon will activate together alerting hearing impaired users. The ARM mode is indicated by the system on indicator (11).
- 11 - System on indicator (GREEN) Indicates the Valet system is active and alarms will be signaled by all available devices including the strobe and bed shakers. When this light is off only the ICON will light to signal the alert.
- 13 - Alarm Clock On/Off Status Indicators. LED's indicate the on or off status of the alarm clock. AM and PM indicators are displayed similarly, on the left side of the clock display.

Figure 1.2 - Valet Display Panel



Room Valet Alerting System

LIMITED WARRANTY

All HARC ROOM VALET parts and components are warranted for two years from the date on installation. **WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT** of the defective part or component **ONLY** and does not include consequential damages or any labor or shipping. Repair or replacement of a component is at the sole discretion of HARC. Damage due to misuse, abuse, act of God, etc., or improper or incorrect installation is not covered by this warranty.

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