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INSOMNIAC™ 800

Contractor's Guide

OpenTech Alliance, Inc.
151-120221-E-EU

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Installation

Preface

Prior to installing the INSOMNIAC 800, your contractor should review the standards and information contained throughout this document. Please contact OpenTech Alliance Customer Support (via telephone at: 602-749-9370, Option 2, or email at: support@opentechalliance.com) for any upgrades or additional details or questions.

Free-Standing Installation

- Check with OpenTech Alliance prior to installation for any updates to this installation guide.
- Check all applicable ADA and local codes for accessibility compliance prior to installation.
- The kiosk should be visible once a tenant enters the property from the street.
- The kiosk area should be well lit (to make the user feel safe and comfortable).
- If the property utilizes video recording or surveillance, a camera should be in place to view the kiosk.
- Ideal installation of the kiosk will insure that it is placed just adjacent to the main office entrance.

ADA Compliance

Accessibility Considerations

The primary issue addressed by The Americans with Disabilities Act (and corresponding local accessibility code requirements), as applied to the kiosk, is provision for proper access to and from the INSOMNIAC 800 kiosk. This includes ensuring the presence of an accessible route from public areas (including streets, sidewalks and parking lots).

Power Requirements

Wired Power Specifications

The INSOMNIAC kiosk requires 110-120 VAC, 20 Amp, single-phase, three-wire un-switched power receptacle. Wiring to the receptacle must include a third-wire earth-ground (conduit ground is not acceptable.) The power cable is 6’ long and extends from a hole in the left side of the kiosk (when facing the kiosk from the front).

Extend a minimum of ¾” metal conduit from service panel to a 4” junction box located no further than 6’ from the unit. Boxes can be flush mounted with concealed conduit for new construction, or boxes can be surface mounted with exposed conduit for existing construction.

Backup Power Supply

An uninterruptible power supply (UPS), also known as an uninterruptible power source, or a battery backup, is a device which maintains a continuous supply of electric power to connected equipment by supplying power from a separate source when utility power is not available. In areas of the country that experience frequent power disruptions (“Tornado Alley,” hurricane season, etc.), it is recommended that a UPS be employed in order to minimize the effects of power outages.

When a power failure occurs, the UPS effectively switches from utility power to its own power source almost instantaneously. The UPS, which is continuously connected to the protected load, draws energy from its reserves, usually stored in lead-acid batteries, converting it to AC power.

In addition to providing protection against complete failure of the utility supply, a UPS also provides protection against all common power problems, and for this reason it is also known as a power or line “conditioner.”

Please consult with your electrical contractor for a unit appropriate to your facility.

Data Cable Requirements

Always-On Internet Connectivity

The INSOMNIAC 800 must be connected to the computer (or network) upon which the facility's management software runs. If the facility has an "always-on" Internet connection (such as cable or DSL), the network should be configured in order to allow OpenTech Alliance, Inc's Technical Support Specialists access to the kiosk computer, through the Internet connection.

A contractor should run a CAT 5 data cable, in grounded conduit, from the location of the computer (or network hub) that runs the management software, to a junction outlet box mounted a few feet from the kiosk. The kiosk comes with a CAT 5 cable that extends 5' from a hole in the back, right-bottom corner of the kiosk (when facing the kiosk from the front).

On-Demand/"Dial-Up" Internet Connectivity

If the facility does not utilize an "always on" Internet connection to which the kiosk can be connected, a standard POTS ("plain old telephone service") telephone line should be terminated in a junction outlet box a few feet from the kiosk. This line will be used by OpenTech Alliance, Inc's. Technical Support Specialist to access the kiosk computer, via modem, for diagnostics and service. This line can be the same line as the speakerphone line described below, so long as it is a dedicated line to which there are no other devices connected that will pick up when a call is received.

Plenum Ceiling Consideration

Special considerations must be made if the kiosk will utilize wiring installed through a plenum ceiling. If the area between the ceiling and the roof in a building is used for air return in a ventilation system, fire and building codes normally require that special wire or conduit be used if wire is run through this area.

Fire Protection Consideration

Installation of this kiosk in an existing facility with a new wall enclosure, may impact the sprinkler head cover in this area, and require modification or addition of additional heads.

Heat Gain/Loss Consideration

Installation of this kiosk in small areas with a lack of air circulation should take into consideration the heat gain (build up of heat from operation of the equipment) and design the space accordingly.

Specifications

INSOMNIAC 800 Specifications

Weights and Measurements

Shipping Weight	Unit Weight	Kiosk Dimensions	Rear Clearance
+/- 310 lbs	+/- 220 lbs	Height: 64 ½” Width: 20 ½” Depth: 28”	16”
Actual shipping and unit weight depends upon shipping materials, options and configuration.		**With Optional Graphic Panel** Height: 75” **With Optional Digital Sign** Height: 78”	Rear clearance allows the back-door to open fully for maintenance and merchandise replacement.

Installation Specifications

The INSOMNIAC 800 is bolted to the floor using fasteners appropriate to the floor construction.

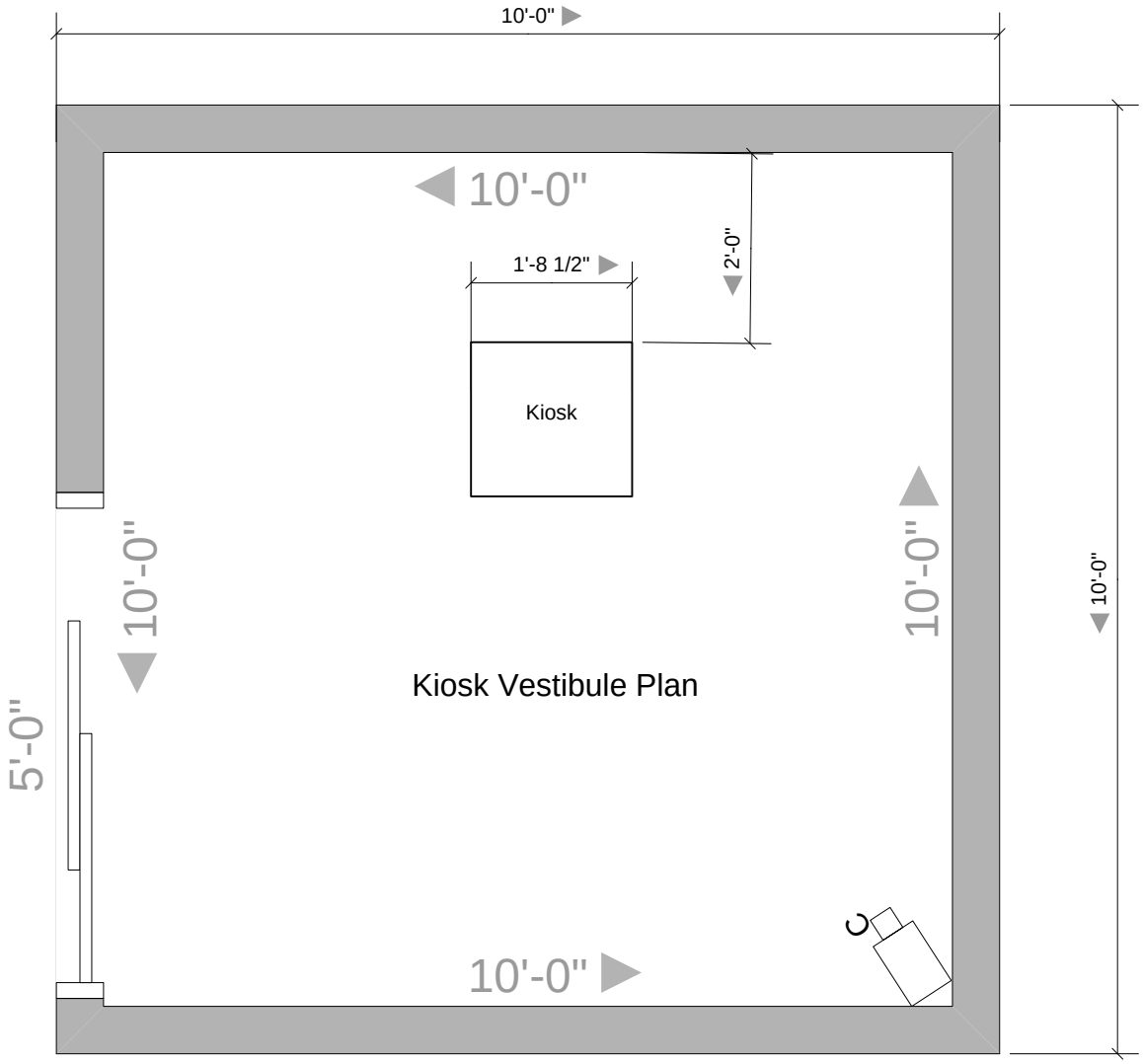

Figure 1: Installed in an Enclosed Vestibule

Plate/Bolt Mounting

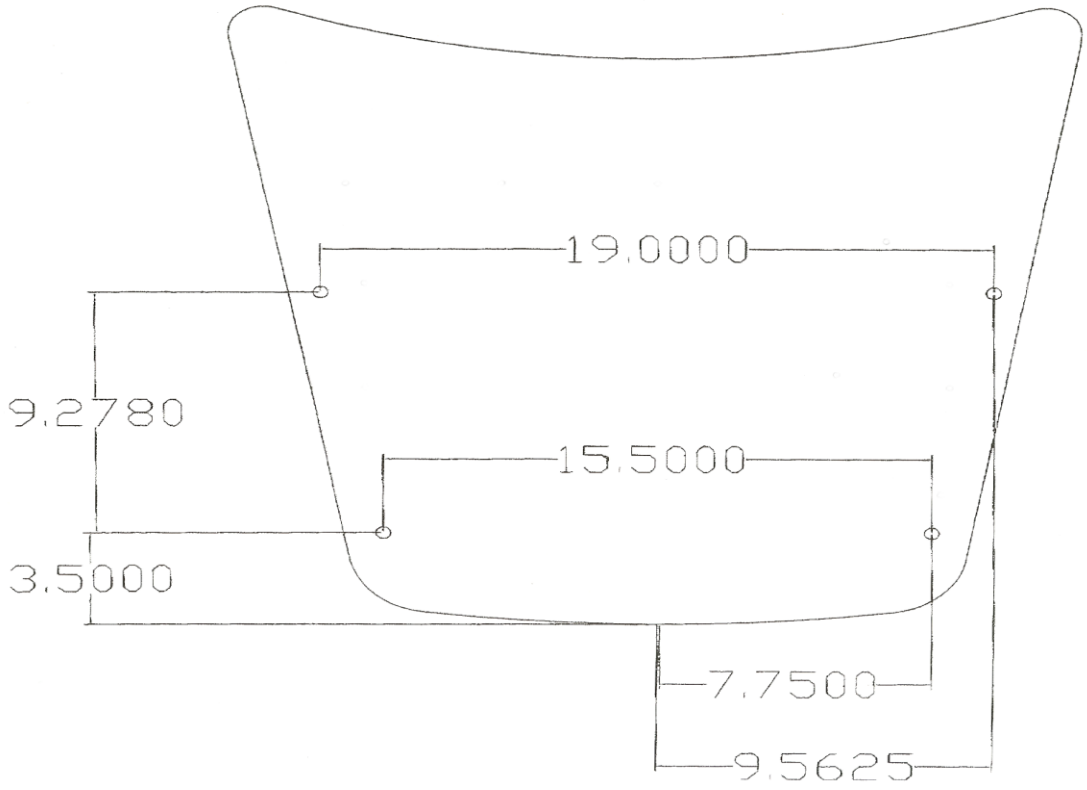

Figure 2: Plate/Bolt Mounting Dimensions

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