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INSOMNIAC™ 570 Contractor's Guide



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Installation

Preface

Prior to installing the INSOMNIAC™ 570, 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.

General Installation

- Check with OpenTech Alliance prior to installation for any updates to this installation guide.
- Check differences between interior and exterior floor elevations before cutting opening.
- 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).
- The kiosk should be located on the exterior of the building and visible from the parking area.
- If the property utilizes video recording or surveillance, a camera should be in place to view the kiosk.
- The kiosk should offer the user protection from the elements during use; for example, shade from the hot sun and direct sunlight, and protection from rain and wind, etc.).
- Ideal installation of the kiosk will insure that it is placed just adjacent to the main office entry.
- The kiosk should be located as close to the entry keypad as possible.

Protection from Weather

Although the INSOMNIAC™ kiosk is designed for outdoor use, it should be protected from full weather exposure. A canopy, awning or other covering should be above the kiosk to prevent direct rain and/or snow contact. Care must be taken to install flashing where necessary to keep water from leaking where the kiosk penetrates the wall.

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™ 570 kiosk. This includes insuring 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 receptacles. Wiring to the receptacle must include a third-wire earth-ground (conduit ground is not acceptable.) The power cable is 10' long and extends from a hole in the back, right-bottom corner 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™ 570 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'.

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™ 570 Specifications

Weights and Measurements

Shipping Weight	Unit Weight	Kiosk Dimensions	Rear Clearance
+/- 120 lbs	+/- 100 lbs	Height: 32" Width: 23 ⁵ / ₈ " Depth: 21"	N/A
Actual shipping and unit weight depends upon shipping materials, options and configuration.			

Installation Specifications

The rough wall opening should be cut $\frac{1}{2}$ " to $\frac{3}{4}$ " wider than the dimensions above.

The inner kiosk enclosure box, when set into an 8-inch wall, extends approximately 13-inches beyond that wall.

Care should be taken in creating the wall opening to allow construction and installation tolerances. The saw cut of the opening should be straight and true, and may vary from a minimum recommended clearance of $\frac{1}{4}$ " all around the unit to a maximum of 1" less than the cabinet fascia. Consideration should be given to reinforcing the edges of the wall opening for structural integrity and security.

Drawings

Product & Installation Drawings

Overall Views

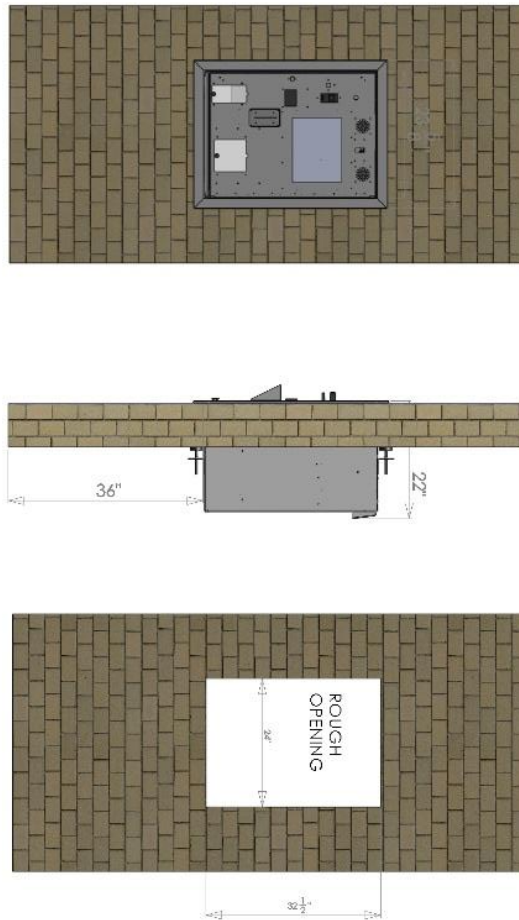


Figure 1: Overall Views

INSOMNIAC™ 570

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Free-Standing Installation (with Optional Pedestal)

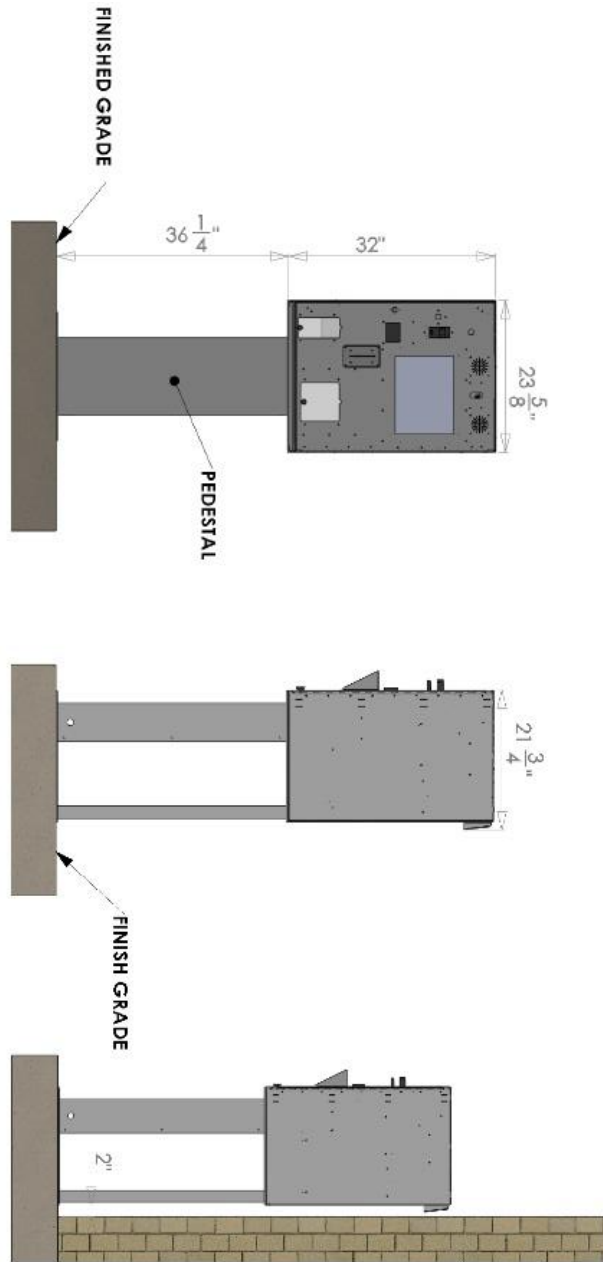


Figure 2: Free-Standing Installation (with Optional Pedestal)

Pedestal Base Layout



Figure 3: Pedestal Base Layout

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