

Introduction

It's important anyone involved in the sales of any Isotec Security System understand how important a properly executed site survey can be to the success of the installation. Please spend a moment and answer the questions below before submitting an order. This document should be used in conjunction with the ["Installing and Pricing an Isotec Security System"](#) document.

Isotec offers two standard systems to meet the requirement of your customer. The standard unit is 84" wide x 90" tall x 90" deep. Consider one of our standard systems before offering a site-specific model. This may be the most cost effective to your customer.

If a site-specific model is needed, you must follow the ["Site-Specific Video"](#) and submit the required information in order to receive a quote. The customer must also be pre-qualified before a site-specific quote will be generated.

Pre-requisite

A few questions should be asked of the customer before proceeding with the survey.

Is this system expected to be inside or out? This can make a difference in how the system is constructed.

What is the estimated number of passages in an 8-hour period?

Are there other exits out of the building?

Floor Inspection

Floor Covering – Note the type of floor covering, i.e. carpet, tile, exposed aggregate, etc.

If Carpeted – Note color. Very dark colors absorb infrared light from the occupancy sensor and therefore should be removed and replaced with a lighter color carpet within the occupancy zone(s).

If Tiled – Ceramic tile is a very good reflector of infrared light used by the occupancy sensors. Dark colored linoleum absorbs this light making the

detection of the occupant difficult and therefore should be avoided.

If Unfinished – Unfinished floors could cause problems if not planed properly. Many times the structure is placed on the concrete then a tile floor is placed after installation. The height of the tile could interfere with the door. It is best to elevate the structure by the height of the tile for best results. Tile should be installed under the structure to best support the system from movement.

Potential Interference – Note anything that may cause interference with the operation of the metal detector. Refer to the ["Metal Detector Interference"](#) document.

HVAC Inspection

Most buildings have HVAC ducts located near the entrance of the facility. Generally these ducts, when active, provide a positive air pressure in the building that can cause movement within the weapons control structure. The design of the structure allows for this positive air pressure through a set of ventilation screens above the structure and air space under the doors. This airflow must be maintained in the installation for proper operation.

Monitoring

All Weapons Control Systems require an operator console to control security exceptions that occur from a possible detected weapon or from a passage exception. Wireless transmitters are provided to control one or more of these exceptions.

Operator Console

Is there a central location where security is monitored now? (The console should be placed in a location that always has an employee or guard available.)

Emergency Functions

All Isotec products have been designed to conform to Fire and Safety requirements. Please check with your local fire and safety personnel for clarification.

☐ Fire – All Isotec Weapons and Passage Control Systems come with a UL Fire Alarm Disconnect Relay to allow the building Fire alarm system to disable all locks in case of Fire. Additionally, Isotec offers a couple new features available on all systems to improve Life Safety.

☑ Emergency Release System, 'D' Door - Upgraded Fire Codes are beginning to surface requiring building owners to upgrade their systems to minimally meet the NFPA 2006 Code. This upgrade provides for a UL Listed assembly to allow release of the 'D' door lock, after a 15 or 30 second configurable delay, if the system experiences any failure preventing exit through the 'D' door. This system complies with the NFPA requirement for an emergency exit device.

☑ Emergency Release System, 'C/D' Door - This upgrade provides for a UL Listed assembly to allow releases for the 'C' and 'D' door lock, after a 15 or 30 second configurable delay, if the system experiences any failure preventing exit through either the 'C' and 'D' door. This system complies with the NFPA requirement for an emergency exit device.

Finish Color

Isotec offers two Power Coat finish colors as standard. (White and Dark Bronze) Isotec can provide any color desirable, contact the factory for quote.

Important Information to be included on Purchase Order

☐ End User Information

- Customer _____
- Site Location _____
- Address _____
- City _____
- State _____
- Zip Code _____

☐ Ship to Information

- Installer _____
- Address _____
- City _____
- State _____
- Zip Code _____