Burglar Alarm Design Planning Sheet

This Form will help you design your alarm system. You will use the information you record here to order your equipment. You will also use some of the information to fill out the Alarm Monitoring Form that will need to be filled out if you are ordering our Central Station monitoring service.

Let's get started; First, whether you are protecting your home or business, we recommend that all potential points of entry from outside be protected. All doors, windows, bulkheads, basement windows, and other entry ways accessible from ground level should be covered. As well as any doors or windows that are on a second level and are easily accessible from a deck railing, fire escape, a ladder left lying behind the house, a low roof line, or anything that is easily accessible from ground level.

This is important. Take your time as you walk around your property and design your system. If a burglar wants to get in, he will get in. The important thing is for an alarm to trip as early as possible so Central Station can be notified and proper authorities dispatched quickly.

Some other things you may want to consider; will you be arming the system for protection while you are in the house (or business)? If so do you have central AC or do you usually need to have your windows open on hot nights? If you need some windows open then one thing you can do is mount the sensor(transmitter) on the window (double Hung window), in such a way that you can place a magnet at the sensor when the window is in the closed position and one at say 6" open position. This is narrow enough so that it still has to be opened for a body to come through but still lets a cool breeze in. Let us know in the "additional comments" box of the Alarm Monitoring Form or give us a call if you need extra magnets.

One way to cover multiple windows in a room is to use a motion detector. This may save some money. Just remember that if you arm the system for protection while you are in the premise the motion detectors will be bypassed so you can walk around and not set them off, so you will have no perimeter protection in this area. Also, if you are going to use motion detection and have pets, be sure and read the specs for the specific detector you are using. And be sure and place the detector where cats can't jump in front of it within the limits specified by the manufacturer.

If you discover that a motion detector will not work then a glass break detector may be the answer. A glass break detector can be mounted on the ceiling in the middle of a room and can typically detect the sound of breaking glass within approximately a 20 foot radius. Be sure and read the manufacturer's specifications. A glass break detector will go into ready mode when you arm your alarm system in STAY, or AWAY mode.

What about carbon monoxide and fire protection; you will have the alarm monitoring in place. Why not add fire and carbon monoxide detection to your system? Check with your local fire department for local and state codes on placement of your smoke detectors. A good rule of thumb for a minimum (residential) is one at the bottom of each stairwell leading to a living space and 1 within 10 feet outside bedroom doors. Many jurisdictions require much more than this for new buildings so please do check with the fire department if you want to be up to code. For information on CO detectors see the info box in the right column of our website.

Remember, First Stop Security can ship any device pre-programmed for your system at any time after your purchase or even on an existing system if you like. Call for details.

If you have any questions on placement, or questions regarding equipment, etc., you can always call and talk to one of our service technicians. The number is 866-354-5529.

Now for designing the system;

How many Doors: ____ Labels (front entry, back door, etc)_____

_____

_____

_____

How many Windows: ____ Labels (living room 1,2,3…, Kitchen 1,2) _____

_____

_____

_____

How many Motion Detectors: ____ Labels (office, basement, etc) _____

_____

_____

_____

How many Glass break Detectors: ____ Labels_____

_____

_____

How many flood sensors ____ Labels _____

How many freeze sensors ____ Labels_____

How many Hi/Lo Temp sensors ____ Labels _____

How many smoke detectors ____ Labels _____

_____

_____

_____

How many CO detectors ____ Labels _____

How many panic buttons ____ Labels _____

Extra Keypads ____ Location _____

Extra Sirens ____ Location _____

Extra Key fobs (for remote arming/disarming/panic) ____

NOTES:

Wire to help with installation: And some installation ideas!

When mounting the Alexor panel the ultimate location would be in the area where the phone line comes into the premise (if you will be using telephone line) and closest to a non GFI and non switched receptacle. Maybe in the basement or in a heated garage.

If you will be using internet communications how about mounting the Alexor panel on the wall next to a receptacle and your internet router?

Of course if you will be using cellular communications only you can mount the panel in any convenient place where there is a non GFI receptacle and the best reception.

1) How many feet of wire will you need for power?____
***the wire will be connected to the panel when you receive it. You will only make the connection to the included transformer and plug it in. Simply figure how much wire you will need by tracing the path you will take to get to the receptacle. Add an extra 3 ’ if you would like. You can always cut it before you connect it to the transformer.
2) How many feet of wire will you need to get to your phone connection?____
***the wire will be connected to the panel when you receive it. You will only make the connection to the phone line using the simple connection instructions and diagram that will come with the package. This connection should be made at the first place available where the phone line comes in off the street. Give us a call if you need help figuring the length of this run. Add an extra 3 ’ feet if you would like. You can always cut it before making the connection.

3) How many feet of DATA patch cable will you need to connect to router?_____
***This cable will come ready made with the RJ45 network connection plug on each end. Add an extra 3 ’ if you would like. You can always loop the extra at one end.