

# Random Search Selector

## ...the simple way to ensure an unbiased selection of staff / pupils to be searched

Whether you are considering using metal detector search arches in your school, or you are introducing a policy of random staff searching in a retail or distribution environment, as a means of deterring in house theft, ...unless you intend to search everyone, each time they “enter” or “leave” your premises via your control point, you will need to demonstrate that you operate a fair and unbiased way of selecting those person(s) to be searched!

This simple, reliable, random search selector, guarantees unbiased selection every time. You choose the percentage of people to be selected from 0%-100% (in 1% increments) for each session and as results prove, even when the unit is set to a low selection percentage, because you can easily vary the setting for each use (and as only you know what it is set to for each session), the deterrent effect on the potential “Searchees”, remains very strong.

Ready to use straight out of the box, there is no complicated set up required, ...simply plug the unit into any convenient 13amp power socket and switch on, ...thats it!

### Using your Random Search Selector:

The selector should be set up in sight of the security personnel. All persons passing the unit, push the press button as they pass (the optional “Remote Button”, or other sensors such as a break beam detector can be used as an alternative trigger if preferred). A red light accompanied by a high tone indicates “Search”, a green light and low tone indicates a “Pass”.

- The overall percentage of persons to be selected can be adjusted from 0-100%.
- The selection is random and totally unpredictable - the odds of being selected are the same every time the button is pressed.
- Potential “Searchees” pressing the button are unaware of the selector settings, so even if set at “0” per cent it still has a strong deterrent value.
- Pressing the button, actively maintains awareness of your search policy.
- Any search conducted, should be as thorough as required to determine that the person searched, is not carrying any target objects (i.e. weapons, company property, etc).
- The system can easily be enhanced by using CCTV to record search procedures. This would allow you to ensure that your search policy is adhered to at all times.

### System features:

- The EP SS4000 unit can be desk or wall mounted, and is supplied ready to plug in and use (UK, Euro & US plugs incl.).
- Simple key controlled settings of 0-100% search selection rate - can easily be varied for different sessions.
- Microcomputer controlled system with 4 digit LED display.
- Built in “Search” and “Pass” counters, so you always know how many people have passed by the unit as well as how many have been selected for search.
- An inbuilt “input trigger connector” within the system unit, allows the selector to be triggered by an external sensor, such as the potential “Searchee” walking through an IR (infra-red) Break-Beam sensor, etc.

### Typical applications include:

- Selection of school pupils to be searched for weapons, using a search arch or hand held type metal detector.
- Loss prevention applications in retail or distribution environments (used as part of the corporate security strategy / policy, to deter in-house theft, etc.).



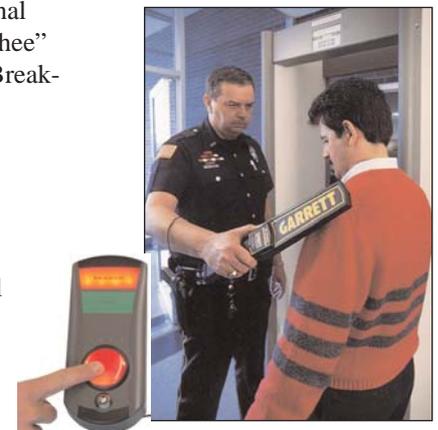
Random Search Selector Unit  
(simple - unbiased - reliable)  
prod code: EP SS4000



Optional Remote Button  
prod code: EP SS4000PB



Optional Remote Indicator  
prod code: EP SS4000RI



SS4000 ...the perfect solution for unbiased selection, - when searching “Everyone” passing through the control point is either impractical or undesirable



# System Components, Options & Associated Products

prod. ref: **EP SS4000 - Random Search Selector (Mains)**

The EP SS4000 Random Search Selector offers a simple, reliable and guaranteed “Unbiased” way to select persons to be searched (when it is either impractical or undesirable to search everyone passing through a control point), or to select items for special attention or inspection, etc. The kit is supplied with a universal power adaptor suitable for use with most; UK, European and USA mains power sockets.

Supply Voltage: 100-250V 50/60Hz A.C.  
Weight: 500g  
Overall Dimensions: H-230mm, W-100mm, D-60mm



prod. ref: **EP SS4000RB - Remote Button**

The Remote Push Button, which is powered via its connection to the EP SS4000 Random Search Selector unit, is supplied with a 4.3 metre connector cable (other lengths to order).

The unit is housed in a strong ABS casing and features;

- High brightness LED Red and Green Lamps,
- Two tone piezo sounder
- Industrial quality heavy duty push-button.

Overall dimensions; H-160mm, W-80mm, D-90mm (rear cable entry)



prod. ref: **EP SS4000RI - Remote Indicator**

The Remote Indicator, which is powered via its connection to the EP SS4000 unit, is supplied with a 4.3 metre cable (other lengths to order).

Housed in a strong ABS casing it allows remote monitoring of the EP SS4000's “Pass” or “Search” indication. It can also be used as the main indicator unit if using external trigger signals (e.g. from a Break Beam sensor, turnstile contacts, etc.). Features include:

- High brightness LED Red and Green Lamps.
- Two tone piezo sounder
- Input for external trigger signal (e.g. IR Beam, etc.)

Overall dimensions: H-120mm, W-80mm, D-70mm (overall)



prod. ref: **EP RSSB1 - Mobile Random Selector**

This battery powered version of the Random Search Selector operates in a similar way to its mains powered big brother, but is powered by 3 x AA batteries (which typically offer over 12 months operation from a fresh set).



Designed originally for use with vehicle / driver selection, for search or inspection activity, this versatile unit has also been adopted for a wide range of other applications. The internal dipswitch settings determine the search selection rate (from 0-100% in 5% increments), whilst the robust 50mm(diam.) push button is the trigger mechanism.

## Associated equipment includes;

- CCTV recording systems  
*(see our special CCTV packaged solutions)*
- Metal detector search arches
- Hand held metal detector wands

*Please Note;- all of the above items are normally available ex stock from the Insight Security range*