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WG 4 Random Search Selector



The WG 4 Random Search Selector is the most ethical way of providing a non-discriminatory selection process for individuals to be selected for searching at check points.

Using the WG4 Random Search Selector it should be impossible for anyone to feel targeted as it is the electronics that randomly PASS or STOP any individual.

The WG 4 Random Search Selector will produce a stop signal randomly based on the percentage indicated on the front.

This percentage can be changed from 0 to 99% in 1% increments for precise selection and can be changed any time.

The panel itself is made to be placed inside a security station so people cannot see the stopping percentage. Therefore, even if it is set at 0% it is still deterrence; if a stop signal is given, only security personal can reset the stop condition.

A built in counter keeps track of how many were searched and how many were passed allowing for better internal control. In addition, the search selector can be custom made to have a key operated switch that deactivates the ability to view or change the percentage stopped.

The Search Selector can interface with electric door strikes so that the door is locked until a pass signal is given, the time the door is open can be managed through a built in door timer or through a door contact.

The unit also has outputs for the STOP and PASS indicator light and buzzer which can be placed by the exit switch as shown in the installation kit.

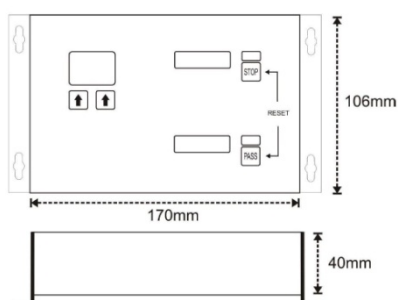
STANDARD FEATURES

- 3 year warranty on all electronics
- Completely random for every button push
- Containing Red & Green LED & Buzzer, External buzzer output
- Durable metal cabinet
- Easy to use interface
- Optional installation kit includes: Industrial strength push button Face plate
- Outputs for external LEDs for PASS and STOP
- Relay contacts allow the 52 to be interfaced to Electric door strikes
- Selection search from 0-99% in 1% increments

OPERATION

- Both the PASS and STOP events are separately counted
- If an individual receives a STOP the buzzer will sound and the red LED will glow
- If using the installation kit, the green LED by the exit will also light
- If using the installation kit, the red LED by the exit will light up as well as an audible alarm from the buzzer
- The chance of being selected will depend on the overall percentage selected, which can be adjusted from 0% to 99% with the odds of being selected being completely random each time without any pattern
- When a person has been searched, the PASS button can be pressed and the relays will function as if a pass condition was made
- When a person presses the push button at the exit the search selector will be activated. If a PASS is given the person is allowed to leave and the green LED on the front of the display will light
- When a STOP occurs, Security personal can end the alarm by pressing the STOP

Installation Kit: Industrial strength push button, green and red LED's buzzer and face plate.



SPECIFICATION

- Material: Extruded aluminium
- Dimensions: L170mm, W40mm, H106mm
- Weight: 490g
- Stop Signal: Red Light, buzzer alarm
- Pass Signal: Green Light, short buzzer tone
- Power: 12 V/AC 250mA
- Optional model with 5 AAA rechargeable batteries for backup available
- Mounting: Size 6 screws
- Warranty: 3 years electronics

Interfaces Inputs

- Pushbutton exit switch activates the search selector when pressed, connects to the pushbutton in the installation kit
- External PASS pushbutton & External STOP pushbutton - Works as the PASS and STOP buttons from the front of the unit
- System Disable - If the unit is used to open a door normally protected by an alarm system, this relay output can be used to disable the unit when the alarm system is armed
- Door contact - to stop the timer for the pass relay when the door is opened

Outputs

- External Buzzer - this will connect an external buzzer that will work in conjunction with the one built into the unit
- External LED - Outputs for the red and green LED's from the front of the unit
- STOP relay - released when the STOP pushbutton is pressed
- PASS relay - allows the door to be opened for how long the door timer is set 0.5 to 15 secs, the door timer can be reset by the door contact

Adjustments

- Buzzer Volume - adjusts the volume for the internal buzzer
- Door Timer - this timer will adjust how long the relay output for the door timer will remain open, it can be set from 0.5 secs to 15 secs

ACCESSORIES

Key-Switch Interface

With the use of a key you can turn on or off pre-selected displays and buttons, for example making it possible for only the manager to set the percentage to be stopped or to view the traffic numbers.



Pushbutton Activation

The WG 4 can be activated in a variety of ways, one of the most standard one is through a push button.

This includes an aluminium faceplate with an industrial strength push button with red and green LED's and a buzzer. It is installed inside a wall with a regular electrical switch mounting bracket, an external box can also be ordered. Cat 5/6 Networking cable suggested for connecting to WG4.



Mobile Search Selector WG5A

A mobile version of our search selector running on 2 x AA rechargeable batteries using an RF interface to securely let managers set the percentage and reset counters. It can display solid colours for stop or pass or a checkmark and x. Size: 117.3 mm x 51.6mm x 24 mm.



Small Stanchion with built in search selector and pushbutton

This all-in-one unit has a built-in industrial strength pushbutton and has the option of either having LED arrow display or checkmark and X as shown. Programming the search selector functions are done via an included key-fob. Units can also come equipped with a connector for pressure mats and relay output/inputs. Size: 1235mm x 275mm.



Small LED Display

Using the same box size as the WG4 search selector, the small LED arrow based display offers a convenient size that is easy to mount.



The arrows can show any direction required and is available as either red or green or a combination. Also available with checkmark and X symbols, please specify when ordering. Size: 170mm x 40mm x 106mm.

ACCESSORIES

RF Interface

Using a remote key-fob with a specified number of buttons (up to 5) it is possible to remotely turn off alarms, turn on/off displays and perform other functions remotely. Each key-fob can be programmed on site and deactivated.



External Box Pushbutton

Heavy duty metal construction fits the pushbutton perfectly for external application mounting, it has mounting holes in the back of the box. Wire to the box can be fed through the bottom or by rotating the box, through the top.



Stanchion With Search Selector and Build in LED Display

Originally designed for the Canadian Airports this stanchion is a convenient way to install the search selector in all high traffic areas in which directing the traffic of people to be searched is important.

The LED arrows provide clear direction on where to go based on the output on the Search selector.

The arrows can be provided in Red or Green. In addition a Green checkmark symbol and Red Cross LED sign can also be installed as shown below; Key-face is integrated into the stanchion. Search selector included, RF interface optional Size: 1535mm x 625mm.



Large LED Display

In operations where a large LED display is required, but a stanchion is not needed the large LED display is an alternative. It is available with a green and red checkmark as shown or with Red or Green LED arrows, please specify when ordering. Size: 625mm x 300mm.

