

Stop n Search III Random Search Selector. (formerly Touch n Go III)

Specification.

This is a comprehensive random search selector unit that can be used either as a standalone unit where staff press a button on leaving the premises or as part of an egress control system using perhaps a card reader or some other means of invoking the selection process. The unit is mains powered and contained in a case measuring approximately 180 x 60 x 125 (mm). The integral power supply is rated at 12vdc 150ma and can be used for remote low power audible visual devices but **NOT** for control door retention devices. The Stop & Search is fitted with a pushbutton to invoke the selection process and a reset keyswitch.

Facilities are available to enable a remote keyswitch to be used if desired.

There is an additional input to enable the selection process to be invoked from say a card reader device.

An input is provided for a N.C. door contact.

A zero odds (ie never select) input facility is also provided to enable the search regime to be temporarily suspended perhaps because of staff shortages whilst giving the appearance that the search regime is still in force.

There are two volt free changeover relays; one for remote audible or visual signalling controlling and a second for a door retainer device.

An integral piezzo sounder is also included.

There are a number of different operational modes. This enables the Stop & Search to be used in a very simple but nevertheless obvious fashion or it can sit in the background just randomly selecting staff to be searched by restricting their egress from a building.

Mode 1 Operation.

Uses the panel pushbutton to invoke the selection process. No door monitoring or door retention devices are used.

The door contact input (DC) should be left open, (no link)

The zero odds input (ZO) should be open, (no link)

The card reader, pulse select, input (PS) should be closed, (linked)

The front panel button is pressed to invoke the selection process.

If not selected.

An audible Whoop-Whoop with a green LED indication is seen for approx 1 second to indicate that the button has been pressed and allow free passage.

No relays will operate.

If selected.

An intermittent alarm will sound for a minimum of 5 seconds along with a red LED indication.

Relay 1, the remote alarm relay, will operate to indicate a selection has been made.

The LED and relay will continue and the sounder will give a warning at 10 second intervals until the unit has been reset with the keyswitch.

Relay 2 is not used in this mode.

Mode 2 Operation.

Uses the pushbutton to invoke the selection process, a door monitoring contact and an electrical door retainer.

The N.C. door contact should be connected to (DC)

The zero odds input (ZO) should be open, (no link)

The card reader, pulse select, input (PS) should be closed, (linked)

Relay 2 should be connected with a suitable power supply to some form of electrical door retainer.

The front panel button is pressed to invoke the selection process.

If not selected.

An audible Whoop-Whoop is heard to indicate that the button has been pressed.

A green LED indication is seen indicating passage has been granted.

Relay 2, the door lock relay, operates for approx 5 seconds to allow the door to be opened.

If the door is not opened with this 5 second window then it will relock and all the indications and relays will reset.

If the door is opened then a further 10 seconds is allowed for the door to be used and closed. When the door closes all indications and relays reset.

If the door is left open, beyond the 10 seconds, then the integral piezzo sounder will sound an intermittent alarm and relay 1, the remote alarm relay, will operate to warn of tail-gating until the door is closed again, when all indications and relays will reset.

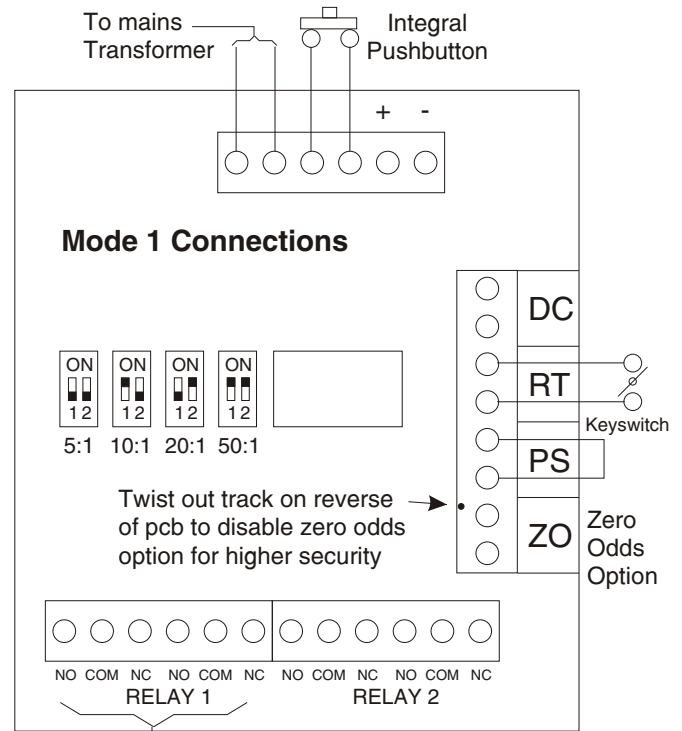
If selected.

An intermittent alarm will sound for a minimum of 5 seconds along with a red LED indication. (Even if the keyswitch is thrown)

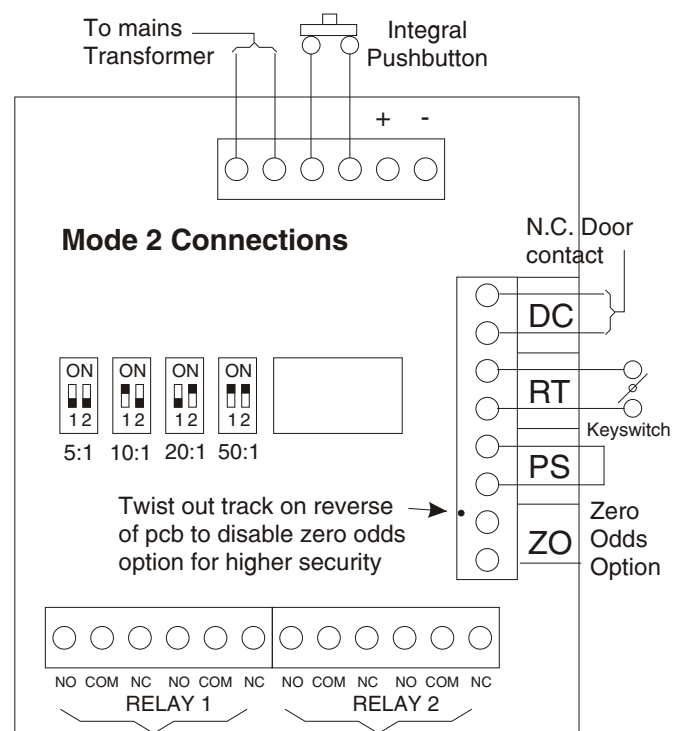
Relay 1, the remote alarm relay, will operate to indicate a selection has been made.

The LED and relay will continue and the sounder will give a warning at 10 second intervals until the unit has been reset with the keyswitch.

Relay 2, the door lock relay, will not operate thus retaining the door.



This relay can be used to signal to a remote audible/visual indicator eg s/1678RP



This relay can be used for a remote audible/visual indicator eg s/1678RP

This relay is used with an external power supply to control a door retention device.

Mode 3 Operation.

Uses the card reader (PS) momentary close to invoke the selection process. A door contact and an electrical door retainer is used.

The N.C. door contact should be connected to (DC)

The zero odds input (ZO) should be open, (no link)

The card reader (or key pad) should be connected to (PS). This should be N.O. momentarily closing on acceptance of the card or code.

Relay 2 should be connected with a suitable power supply to some form of electrical door retainer.

The Stop & Search automatically ignores the front panel pushbutton when the (PS) input is N.O.

The selection process is invoked when the card reader input (PS) closes.

If not selected.

A green LED indication is seen to indicate that free passage has been granted.

Relay 2, the door lock relay, operates for approx 5 seconds to allow the door to be opened.

If the door is not opened with this 5 second window then it will relock and all indications and relays reset.

If the door is opened then a further 10 seconds is allowed for the door to be used and closed. When the door closes all indications and relays reset.

If the door is left open, beyond the 10 seconds, then the integral piezzo sounder will sound an intermittent alarm and relay 1, the remote alarm relay, will operate to warn of tail-gating until the door is closed again, when all indications and relays will reset.

If selected.

An intermittent alarm will sound for a minimum of 5 seconds along with a red LED indication.(Even if the keyswitch is thrown).

Relay 1, the remote alarm relay, will operate to indicate a selection has been made.

The LED and relay will continue and the sounder will give a warning at 10 second intervals until the unit has been reset with the keyswitch.

Relay 2, the door lock relay, will not operate thus retaining the door.

Mode 4 Operation.

Uses a detector such as a beam or fast acting PIR as the device to invoke the selection process. This is intended for fast moving high volume situations where dwell times would cause congestion. No door retention device are employed.

The N.C. beam detector should be connected to (DC)

The zero odds input (ZO) should be open, (no link)

The card reader input (PS). Should be left open

The selection process is invoked when the detector beam opens.

If not selected.

A green LED indication is seen to indicate free passage

Relay 2 operates whilst the detector contacts are open.

If selected.

An intermittent alarm will sound for a minimum of 5 seconds along with a red LED indication.(Even if the keyswitch is thrown).

Relay 1, the remote alarm relay, will operate to indicate a selection has been made.

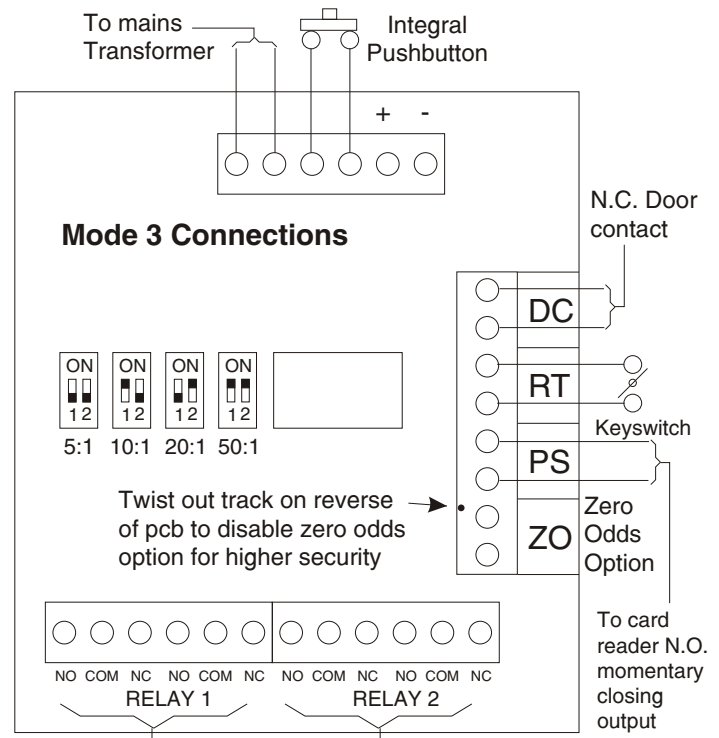
The LED and relay will continue and the sounder will give a warning at 10 second intervals until the unit has been reset with the keyswitch.

Relay 2 will not operate.

If the beam is obstructed for more than 10 secs then the sounder will sound an intermittent alarm and the alarm relay will operate until the beam is clear when all indications and relays will reset.

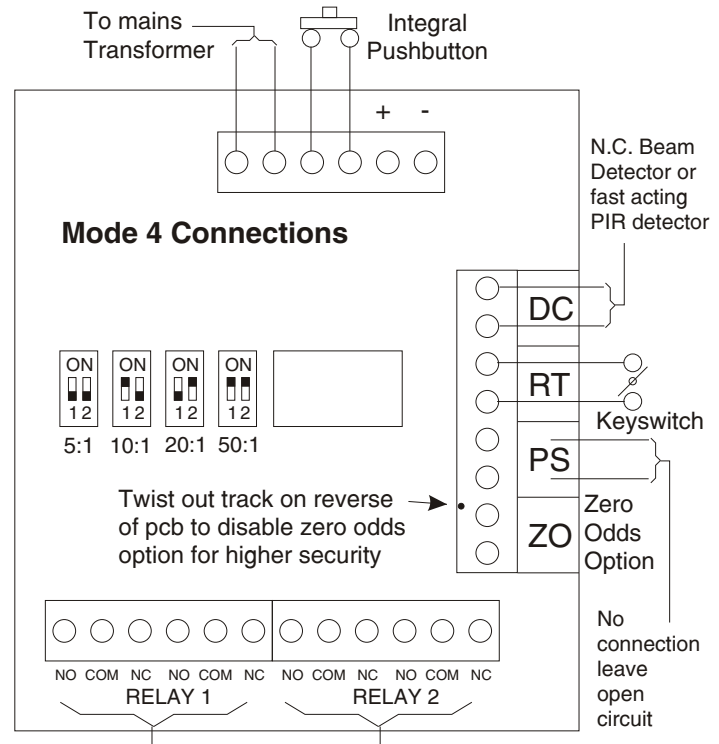
Zero Odds. All modes

If the zero odds input (ZO) is closed, then the outcome will always be NOT SELECTED in any of the above modes. The zero odds select input can be permanently disabled by a, 'twist out', track on the pcb, this will make it more difficult to tamper with this feature. Zero Odds is designed to be used when there is a security staff shortage to carry out searches. Those staff subjected to the search regime are not aware of anything different so the deterrent factor is still there. The ZO input can be connected to a keyswitch in a management office.



This relay can be used for a remote audible/visual indicator eg s/1674P

This relay is used with an external power supply to control a door retention device.



This relay can be used for a remote audible/visual indicator eg s/1674P

This relay only follows the beam detector contacts.