

Interguard - IG432



INTERGUARD IG432 allows 2, 3 or 4 doors to be interlocked to restrict or control entry to and from areas that need to be secured against two or more doors being open simultaneously. Any kind of door, roller shutter, traffic bollard or gate can be interlocked using the IG432. Use of any type of electronic lock is catered for, as is integration with other systems including access control and fire alarms.

The IG432 has two main modes of operation:

Mode 1. Keep all doors closed but unlocked then lock the other doors if a door is opened.

Mode 2. Keep all doors closed and locked and release the relevant door on request only if available to be released ie all other doors are locked.

In Mode 2 operation, the method of request to release can be any access control system, keypad etc or in the case of non-secure interlocking this can be straight forward push buttons.

Fire alarm inputs allow the operation of the IG432 to be interrupted. One option will release all doors, the other keeps doors locked but allows more than one door to be released at a time.

Red and Green operational indicators are provided at each door as shown below. These provide invaluable feedback to users.

A "Lock Down" function allows two of the doors in the interlock to be locked at the press of a button (S1726S) to provide privacy facilities for change rooms etc. The same function also caters for integration with other automated systems often found in clean room environments.

A further special feature of the IG432 is the ability to form a 2 / 3 door combination interlock which is effectively two separate interlocks, one being a 2 door and the other a 3 door, however the two interlocks share a common door. i.e. There are only 4 doors in total.

- Interlocking for 2, 3 or 4 doors.
- Integral 12vdc 5A power supply
- Secure or non-secure interlocking
- Status indication at each door
- Fire alarm 1 input releases all doors
- Fire alarm 2 input disables interlocking
- Breach relay output if a door is forced open
- Breach relay output if a door remains open after use
- Breach relay output if a request to release remains for an extended period
- Dwell time adjustable 0, 5, 10 & 20 secs
- Door Open Too Long 20s, 1min, 10mins & off
- Lock down function for privacy etc
- 2 / 3 door with common door function
- Comprehensive kits available

Example Application



S1717S



S1718S



S1719S



RP-GS-02



S1788PY



S1726S



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Breach relay conditions

There are 2 breach relays on the IG432, Breach 1 (normally energised, ie will operate if power is lost) and Breach 2 (normally de-energised). If a door is forced, left open too long or a request button pressed for too long a period then Breach 1 relay de-energises. If there is a fire alarm input both breach relays will operate.

Power Supply

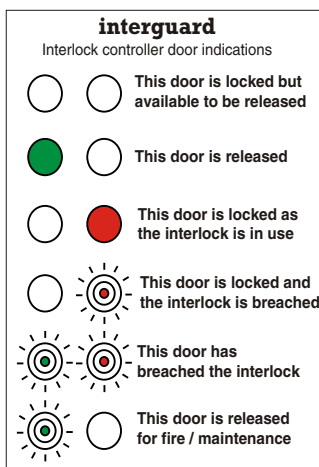
The IG432 is fitted with an integral 12vdc 5A power supply. This will normally be capable of supplying power for the interlock controller, the indications and provide power for up to 4 door locks up to 1A each. The power supply also includes battery connections which allow for the connection of a lead acid battery for backup purposes.

Comprehensive Kit Part Numbers (Kits do not include locks or cable)

IG432K2 (2 door kit) comprises 1 x IG432 Controller, 4 x S1718S RTR pushbutton with red / green indication, 2 x RP-GS-02 break glass units, 1 x S1719S keyswitch and 1 x S1788PY High power sounder with 8 ultra bright yellow LEDs.

IG432K3 (3 door kit) comprises 1 x IG432 Controller, 6 x S1718S RTR pushbutton with red / green indication, 3 x RP-GS-02 break glass units, 1 x S1719S keyswitch and 1 x S1788PY High power sounder with 8 ultra bright yellow LEDs.

IG432K4 (4 door kit) comprises 1 x IG432 Controller, 8 x S1718S RTR pushbutton with red / green indication, 4 x RP-GS-02 break glass units, 1 x S1719S keyswitch and 1 x S1788PY High power sounder with 8 ultra bright yellow LEDs.



Need more information?

Hoyles have a huge amount of experience in solving interlocking problems across many industries, from high security applications, cash handling, jewellers and police stations to critical applications in pharmaceutical, medical and food production.

Whatever your interlocking problem, Hoyles will have the answer. Call us now to discuss your requirements in detail.

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Interguard - the simple practical approach to interlocking