



Product Guide

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Access



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Safety



Accessories



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Welcome

Welcome to our new product guide. Our extensive product range is manufactured exclusively in the UK from our purpose-built premises in Rainford, St Helens and includes trusted products, such as Exitguard, Aidalarm, Stop 'n' Search, Multiguard and Interguard. Our products are designed and manufactured in accordance with our ISO9001 certification which we have held since 1994. Nothing leaves the building until we are happy to put our name on it.

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About Hoyles



Made in the UK

Originally founded in 1965 by Jack Hoyle, an ex fireman, Hoyles Electronics Developments Ltd is a family owned business now being run by the third generation. Hoyles is very much a family concern and we pride ourselves on our family values and strong customer relationships. Providing exceptional levels of service and customer care are key to ensuring that your requirements are fully met in all respects.

We are proud that our extensive product range is still manufactured exclusively here in the UK at our purpose built factory in Rainford, St Helens.

Door Alarms Exitguard 100 Series

The Exitguard 100 series is the ideal solution for protecting emergency exit doors in all types of buildings. The Exitguard uses a two position Keyswitch for setting the alarm. The integral sounder has two selectable tones to enable the alarm condition to be distinguished from any other alarms in the vicinity. The alarm can be silenced and reset using the keyswitch or the Exitguard can re-arm automatically after a preset delay once the door has been closed. (All Exitguards are supplied complete with door contact, batteries and fixings).



EX104G | EX105G | EX106G



EX104R | EX105R | EX106R



EX105SF

- High power 105db sounder
- Tamper switch
- Selectable alarm tones
- Reduced alarm tone feature
- Chime facility
- Alarm relay output (12vdc & mains versions)
- Battery condition monitor
- LED for visual alarm indication
- Long battery life
- Optional door open too long delay 15 secs
- Battery, 12vdc & mains versions
- Auto reset/re-arm option
- Function change by internal jumpers



DDCKIT



LAB35202 | LAB35084

MODEL COMPARISON	EX104G/EX104R	EX105G/EX105R	EX105SF	EX106G/EX106R
Battery Monitor	✓	✗	✗	✓
Supply Voltage	7v -14vdc batteries	12vdc -14vdc	12vdc -14vdc	220/240vac
Supply Current	35µA quiescent 80mA max	45mA quiescent 155mA max	45mA quiescent 155mA max	< 0.5A
Batteries (supplied)	6 x AA alkaline	✗	✗	6 x AA alkaline
105db Sounder	✓	✓	✓	✓
Alarm Relay Contacts	✗	SPCO 1A 30vdc	SPCO 1A 30vdc	SPCO 1A 30vdc
Auxiliary Power O/P	✗	✗	✗	200mA @12vdc

CODE	DESCRIPTION	DIMENSIONS (mm)
EX104G	Battery powered Exitguard.	175 x 125 x 60
EX105G	12vdc powered Exitguard with alarm output relay.	175 x 125 x 60
EX105GTKM	12v Exitguard with key monitor and key trapped in off position.	
EX105GKM	12v Exitguard with key monitor.	
EX106G	Mains powered Exitguard with alarm output relay.	175 x 125 x 60
EX104R	RED LABEL Battery powered Exitguard.	
EX105R	RED LABEL 12vdc powered Exitguard with alarm output relay.	
EX105RTKM	RED LABEL 12v Exitguard with key monitor and key trapped in off position.	
EX105RKM	RED LABEL 12v Exitguard with key monitor.	
EX106R	RED LABEL Mains powered Exitguard with alarm output relay.	
EX105SF	Stainless Steel 12vdc powered Exitguard with alarm output relay.	180 x 125 x 43 Back Box 100 x 40
KSW/750000S	Spare Keys. One spare key for Exitguard (Specify required key number when ordering).	
LAB35084	2mm Rigid sign - Warning Emergency Escape Only.	300 x 90
LAB35202	Red Door Alarmed Label.	170 x 90
DDCKIT	Double Door Contact Kit includes - Two surface mount door contacts plus 3m length of 4 core alarm cable for use with Exitguard and DorWatcher.	

Door Alarms Exitguard 200 Series

The Exitguard is the ideal solution for protecting emergency exit doors in all types of buildings. Simple to install, simple to use! An Ear Piercing 108db sounder is activated when the door is opened to warn those in the vicinity that security has been breached. Programmable options allow virtually any door alarm requirement to be catered for.



EX204 | EX205 | EX206



CG100

- High power 108db sounder
- Six selectable alarm tones
- Auto reset/re-arm adjustable from 0 - 88 seconds
- Front and back acting tamper switch
- Manager code and separate user code
- Bleep in off option reminds users that Exitguard is switched off
- Alarm strobing LED's for visual alarm indication
- Chime facility
- Alarm relay outputs on EX205 and EX206
- Separate Door Open Too Long delays for keypad reset
- Auto re-arm modes 0 - 88 minutes
- Output for Multiguard connection
- Adjustable Isolation time



EXF25/BK | EXF25/DK | EXF25/MK

Staff Pass Door Alarm
The Staff Pass Kit is an ideal alarm for doors where staff have to frequently pass through i.e. store room, where the door needs to be alarmed. All kits are supplied complete with push to exit button.

MODEL COMPARISON	EX204	EX205	EX206
Battery Monitor	✓	✗	✓
On/Off Monitoring Relay	✗	SPCO 1A 30vdc	✗
Supply Voltage	Battery or 7v -14vdc	12vdc -14vdc	220/240vac
Supply Current	35µA quiescent 80mA max	45mA quiescent 155mA max	< 0.5A
Batteries (supplied)	6 x AA alkaline	✗	6 x AA alkaline
108db Sounder	✓	✓	✓
Alarm Relay Contacts	✗	SPCO 1A 30vdc	SPCO 1A 30vdc
Auxiliary Power O/P	✗	✗	200mA @12vdc

CODE	DESCRIPTION	DIMENSIONS (mm)
EX204	Battery/12vdc powered EXITGUARD.	175 x 125 x 60
EX205	12vdc powered EXITGUARD with alarm & ON/OFF monitoring relays.	175 x 125 x 60
EX206	Mains powered EXITGUARD with alarm output relay.	175 x 125 x 60
EXF25/BK	Battery powered Staff Pass Kit (EX204 & Exit Button).	
EXF25/DK	12vdc powered Staff Pass Kit (EX205 & Exit Button).	
EXF25/MK	Mains powered Staff Pass Kit (EX206 & Exit Button).	
CG100	Protective Cage purpose designed for the protection of our Exitguard, DorWatcher, Zoneguard, Aidalarm and Stop n Search models from vandalism and misuse. The cage has openings to allow for normal operation. (N.B. Not supplied with fixings)	Protective Cage 205 x 150 x 70
FIX/16	Pack of 4 anti tamper screws No 8 x 2" Pin Torx Button head for fixing CG100 Protective Cage.	
FIX/16/ATS	Pin Torx anti tamper screwdriver bit to suit FIX/16.	
FIX/17	Pack of 5 anti tamper screws No 4 x 3/4" Pin Torx C/sunk for Exitguard/DorWatcher lid and Door Contact.	
FIX/17/ATS	Pin Torx anti tamper screwdriver bit to suit FIX/17	
LAB35084	2mm Rigid sign - Warning Emergency Escape Only.	300 x 90

Door Alarms Exitguard EX125i

Designed specifically for use with intruder alarm systems, the Exitguard EX125i is the ideal solution for security of fire exit doors in Supermarkets, Hotels, Restaurants, Warehouses, Leisure Centres and all types of public buildings. It satisfies the requirements of both fire and security officers. An integral high power sounder is activated when the door is opened to warn those in the vicinity that security has been breached. Any alarm or fault is communicated to the main intruder alarm system using a fully supervised loop circuit. This Exitguard uses a two position keyswitch for setting the alarm. The integral sounder has selectable tones to enable the alarm condition to be distinguished from any other alarms in the vicinity.

The alarm can be silenced and reset using the keyswitch. An auto sounder reduction feature is incorporated to attenuate the sounder after a preset period to reduce the annoyance caused if the key holder is not immediately available. However, the sounder will restart if the door is opened again.

The Bleep In Off (BIO) function can be enabled to provide a local audible and visual indication when the Exitguard is turned off. This reduces the likelihood of the Exitguard being left turned off. Selectable resistors on the alarm circuits allow for compatibility with key intruder panel manufacturers' systems.

- Designed for intruder systems
- High Power Piezo Sounder 108dB @1m
- Visual Alarm Indication
- Keyswitch Control with random key numbers
- Audible/visual warning when turned off (BIO)
- On/off monitor output
- Tamper Switch
- Selectable resistor values for alarm output
- Simple Function Change by Internal Jumpers
- Compatible with key panel manufacturers



EX125i



EX125iS-H

EX125iS-H is a steel cased version of EX125i for use in harsh environments particularly where physical damage may occur.

Zone Omit Unit Zoneguard

Complying with EN50131 Grade 3, this zone omit unit fits between intruder detection devices and a control panel to allow the devices to be securely and safely omitted and reinstated without generating false alarms. Passive infrared detectors with anti mask as well as our grade 3 door contact DCS/G3 can be used with Zoneguard. The unique design of the Zoneguard allows the various 'end of line' resistors for each condition to be passed through to the control panel unimpeded. In this way the detectors resistors are monitored directly by the panel.

In its simplest mode Zoneguard uses its integral keyswitch to omit or reinstate up to two detection zones. Other modes are available using the integral keypad or external devices such as remote keyswitches, keypads, biometric readers etc.

- Omits two detection zones
- High security keyswitch
- Nine digit keypad
- Dual responsibility mode (optional)
- Integral local sounder options
- Output for remote sounder
- Front and Rear acting tamper switch
- Zone/Fault LED's
- Independent zones omitted relay
- Remote re-instate input
- Timed entry/exit modes
- Non-volatile memory
- 12vdc powered



ZG800



DCS/G3



CG100

CODE	DESCRIPTION	DIMENSIONS (mm)
EX125i	Exit Door Alarm for use with intruder panels.	175 x 125 x 60
EX125iS-H	Exit Door Alarm for use with intruder panels (steel cased version for harsh environments)	171 x 71 x 55
ZG800	Zoneguard - Zone Omit Unit	175 x 125 x 60
ZGKEY	ZG spare key - Minimum order quantity 3	
CG100	Protective Cage	205 x 150 x 70
FIX/16	Pack of 4 anti tamper screws No 8 x 2" Pin Torx Button head for fixing CG100 Protective Cage	
FIX/16/ATS	Pin Torx anti tamper screwdriver bit to suit FIX/16	
DCS/G3	Grade 3 surface mount door contact	

Indicator Panel Multiguard

The Multiguard 2000-6 is a general purpose six zone indicator panel. The enclosure design is such that virtually any system size can be met by stacking units together. If more than twelve zones are required a special made to order panel may be more appropriate, see page 50. To cater for the many different requirements of the emergency alarm market the Multiguard is supplied in a number of different versions, each of which offers a remarkable degree of flexibility. Master panels with or without PSU are available together with repeater panels for indicating alarms at remote locations.



Multiguard



Multiguard with Keyswitch

- Simple to operate and understand
- Integral PSU & battery option
- Open or closed circuit inputs
- Unique labelling system
- Zone isolate option
- Perimeter alarm systems
- Personal attack systems
- Fire door alarm systems
- Deep freeze alarms
- Flexible operation to suit most management regimes

MODEL	MG212000	MG212100	MG222000	MG216000	MG216100	MG216010	MG216110	MG226000
Type	Master no PSU	Master C/W PSU	Repeater for MG212XXX	Master no PSU	Master C/W PSU	Master no PSU	Master C/W PSU	Repeater for MG216XXX
No of Zones	6	6	6	6	6	6	6	6
Silence Button	Global	Global	Global	1 Per Zone	1 Per Zone	1 Per Zone	1 Per Zone	1 Per Zone
Reset Button	Global	Global	Global	1 Per Zone	1 Per Zone	1 Per Zone	1 Per Zone	1 Per Zone
Zone Isolate	x	x	x	Optional	Optional	✓	✓	Optional
Integral PSU	x	12vdc 200ma	x	x	12vdc 200ma	x	12vdc 200ma	x
Battery	x	12v 0.8Ahr	x	x	12v 0.8Ahr	x	12v 0.8Ahr	x
Output Relay	Global DPCO	Global DPCO	x	Global DPCO	Global DPCO	Global DPCO	Global DPCO	x
Lamp Test	x	x	x	✓	✓	✓	✓	✓
Keyswitch	x	x	x	x	x	✓	✓	x

CODE	DESCRIPTION	DIMENSIONS (MM)
MG212000	6 Zone master (no PSU or battery).	197 x 137 x 72
MG212100	6 Zone master with integral PSU and rechargeable battery.	197 x 137 x 72
MG222000	6 Zone look alike repeater for MG212XXX series.	197 x 137 x 72
MG216000	6 Zone master with individual zone reset buttons (no PSU or battery).	197 x 137 x 72
MG216100	6 Zone master with individual zone reset, PSU, battery.	197 x 137 x 72
MG216010	6 Zone master with individual zone reset, isolate (no PSU or battery).	197 x 137 x 72
MG216110	6 Zone master with individual zone reset, isolate, PSU, and battery.	197 x 137 x 72
MG226000	6 Zone look alike repeater for MG216XXX series.	197 x 137 x 72
BAT12V800LA	Replacement 12 volt 0.8Ahr rechargeable battery for MG2121XX & MG2161XX	

Multiguard Output Cards

MG02000P is a low power driver card used for individual zone outputs to drive small buzzers and LED's. This unit is supplied on a double gang pattress plate. MG030000 is a relay card providing volt free changeover contacts for each zone. This needs to be housed separately. The boxed version MG030000/B as featured right is also available.



CODE	DESCRIPTION	DIMENSIONS (mm)
MG02000P	6 Zone LED or low power sound driver card	
MG030000	6 Zone relay output card	
MG030000/B	6 Zone relay output card - boxed	145 x 222 x 75

Key Boxes Keyguard

The Keyguard is not your average key box. It has been designed with safety as well as security in mind. The Keyguard is able to take both keys and cards and is available with or without alarm facilities, either battery powered alarm or simply as a single pole micro switch for connection to other equipment, making it suitable for many applications. The window is designed in such a way that it cannot be refitted after removal. The Keyguard plastic window enables it to be used in such areas as schools, food preparation areas and swimming pools. There are no shards of glass or sharp edges that could cause injury. Widely used by fire exit doors, in computer rooms, for master key storage and other situations where a key or card needs to be kept safe and secure.

- Snatch off plastic window
- Can be wired into existing alarm systems
- Integral electronic alarm 90db K1010 only
- Stores both keys and cards
- Ideal for restricted access areas
- Plastic window makes the Keyguard the ideal choice for food preparation areas
- Available in red or green

K1000
The basic version of Keyguard, ideal where no alarm or connection to security system is required.

K1010
The internal audible alarm of the K1010 is powered from a PP3 Alkaline battery (supplied). If any attempt is made to remove the plastic retention window then the alarm is sounded. The alarm can only be silenced by fitting a new window.

K1020
For connection to other systems the K1020 is fitted with a single pole changeover contact microswitch. This switch is terminated as voltage free for connection the users own equipment. The contacts are rated at 10A 240vac. They should only be used at low voltage, the case of the Keyguard is not designed to enclose mains voltages.

K1030Gr
Keyguard spare plastic windows are available in packs of four and are printed with graphical user instructions making the Keyguard truly multilingual.



K1000G | K1010G | K1020G



K1000R | K1010R | K1020R



K1030Gr

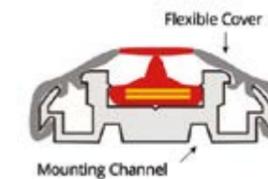
Panic Strip DaDo

LED DaDo Panic Strip available at www.hoyles.com



Switch strip en-cased in a high-durability housing for use as a panic or affray alarm. Ideal where people may need to signal for help or assistance, it can be operated along its entire length. The DaDo Panic Strip comprises of four main components, the switch strip, tamper-resistant top cover, aluminium mounting rail and a choice of end-caps.

- Available in long lengths
- Tamper resistant
- Waterproof
- Easy to install
- Tried and tested technology
- Available in grey/red & grey/blue
- Supplied with 100mm flying leads at each end of strip
- Channel drilled and countersunk



High Profile DaDo Cross Section



DaDo Strip | RP/DFC Flexible Corner

- Notes on Ordering
- DaDo Panic strip cannot be cut to length on site
 - Non-standard sizes can be ordered
 - DaDo Panic Strip **cannot** be returned for credit if incorrectly ordered, charges will apply for alterations.
 - Please allow up to 10 days for delivery.

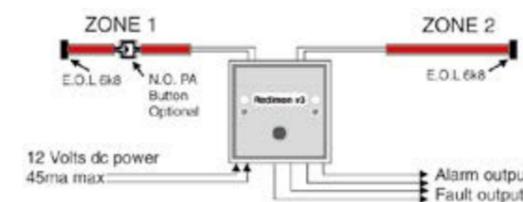
End-cap Options
Black or white end-cap kits for standard installations. Each DaDo Strip is supplied with two trunking end-caps designed to fit 25 x 15mm trunking for installations where cables are run externally and two closed end-caps for installations where cables have been embedded. Flexible corners allow the DaDo Panic Strip to flow around internal and external corners without a break. LED illuminated end-caps when used with a suitable control panel will show that assistance is on its way. Please note that when LED end caps are specified, a kit is provided to illuminate one end of the DaDo only, both end caps are white in colour.



End of Line Monitor Redimon

Redimon is a latching monitor unit for monitoring one or two zones of Panic Strip to give alarm and fault conditions. An end of line resistor (6K8) is fitted at the far end of the strip. By pressing the Panic Strip it creates a short circuit, which will be detected as an alarm condition or if it becomes disconnected in any way a fault condition is generated. Redimon requires 12vdc and provides volt-free change over contacts for both alarm and fault. The alarm contacts will latch until the reset button is pressed.

Status LED's illuminate green for system healthy, red for alarm and alternate red and green for fault condition. This latest version of Redimon includes the ability to require the Panic Strip to be pressed twice within a 5 second period to generate an alarm condition if required. (10k EOL required) can also be used to create double press buttons.



Redimon/3

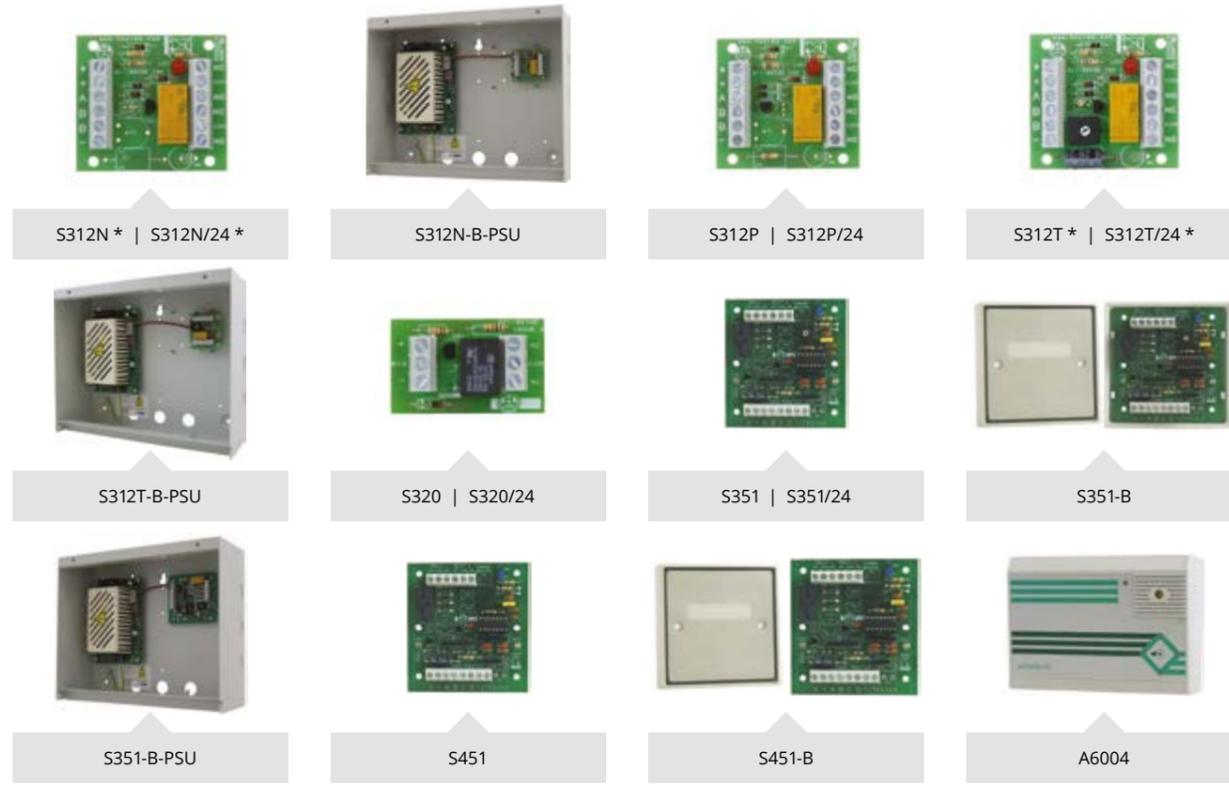
CODE	DESCRIPTION	DIMENSIONS (mm)
K1000G	Standard Keyguard - Green	142 x 125 x 65
K1000R	Standard Keyguard - Red	142 x 125 x 65
K1010G	Keyguard with integral battery alarm - Green	142 x 125 x 65
K1010R	Keyguard with integral battery alarm - Red	142 x 125 x 65
K1020G	Keyguard with contacts for a remote alarm - Green	142 x 125 x 65
K1020R	Keyguard with contacts for a remote alarm - Red	142 x 125 x 65
K1030Gr	Pack of 4 Keyguard windows	
BATPP3ALK	Spare PP3 alkaline 9Volt battery for K1010 Keyguards	

CODE	LENGTH IN mm
RPD00250	250
RPD00500	500
RPD00750	750
RPD01000	1000
RPD01250	1250
RPD01500	1500
RPD01750	1750
RPD02000	2000
RPD02250	2250
RPD02500	2500

CODE	LENGTH IN mm
RPD02750	2750
RPD03000	3000
RPD03250	3250
RPD03500	3500
RPD03750	3750
RPD04000	4000
RP/DFC	Flexible Corner
Redimon/3	End of Line Monitor 85 x 85 x 32mm
RP/DADO/ENDCAPS	Spare endcaps making transition from DaDo switch to standard 25 x 15mm cable trunking

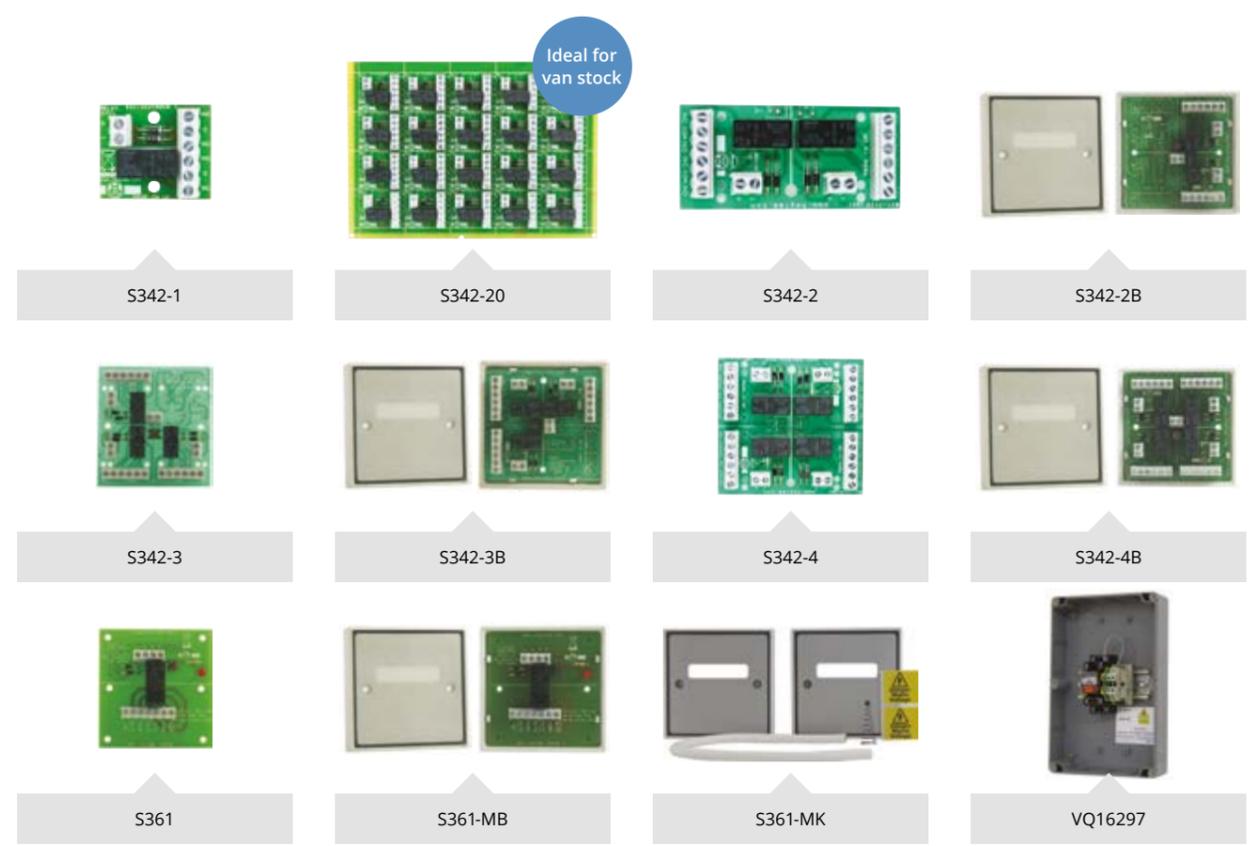
Relays

Comprehensive range of relays to suit many different requirements. If you don't see what you need please call us.



*AC versions available upon request
 Custom Programmed relays are available to perform any non-standard functions you require, please call **01744 886600** for details.

Relays



24 volt versions are available at request and online at www.hoyles.com

CODE	DESCRIPTION	DIMENSIONS (mm)
S312N *	Transistor driven DPCO relay module. Accepts a variety of input conditions, DC voltage, Closed Contact, Open Contact, logic, etc. Requires a supply of 12vdc at 30mA. Contacts rated at 1A.	57 x 47x 14
S312N/24 *	As above. Requires a supply of 24vdc at 30mA. Contacts rated at 1A.	57 x 47 x 14
S312N-B-PSU	S312N relay module in a steel enclosure with a 2A 12vdc PSU.	Box - 275 x 228 x 65
S312P	As S312N but inverse operation. Requires a supply of 12vdc at 30mA.	57 x 47 x 14
S312P/24	As S312N/S312P-24 but inverse operation. Requires a supply of 24vdc at 35mA.	57 x 47 x 14
S312T *	As S312N can be used as a short duration timer (3-60 sec). Requires a supply of 12vdc at 30mA.	57 x 47 x 14
S312T/24 *	As S312N/24 but can be used as a short duration timer (3-60 sec). Requires a supply of 24vdc at 35mA.	57 x 47 x 14
S312T-B-PSU	S312T relay module in a steel enclosure with a 2A 12vdc PSU.	Box - 275 x 228 x 65
S320	A transistor driven SPCO relay module. Requires a supply of 12vdc at 35mA. Contacts rated at 1A.	43 x 21 x 16.5
S320/24	A transistor driven SPCO relay module. Requires a supply of 24vdc at 25mA. Contacts rated at 1A.	43 x 21 x 16.5
S351	A microprocessor controlled timer relay. Accepts a whole range of start functions. A-stabling and commutating features. Two timing ranges, 0-60 sec and 0-60 min. Requires a supply of 12 at 80mA.	80 x 74 x 16
S351/24	A microprocessor controlled timer relay. Accepts a whole range of start functions. A-stabling and commutating features. Two timing ranges, 0-60 sec and 0-60 min. Requires a supply of 24vdc at 85mA.	80 x 74 x 16
S351-B	As S351 supplied in a plastic single gang sized enclosure.	Relay - 80 x 74 x 16 Box - 87 x 87 x 36
S351-B-PSU	S351 relay module in a steel enclosure with a 2A 12vdc PSU.	Box - 275 x 228 x 65
S451	False alarm filter is an interface relay that sits between a detector and an intruder alarm control panel to filter out occasional trips caused by the environment.	80 x 74 x 16
S451-B	As S451, supplied in a plastic single gang sized enclosure.	Relay - 80 x 74 x 16 Box - 87 x 87 x 36
A6004	This unit is designed for use with any slow acting normally open contact that closes for an alarm and opens when the alarm is clear. Typical examples include water level switches and fridge/freezer over temperature switches.	175 x 125 X 60

CODE	DESCRIPTION	DIMENSIONS (mm)
S342-1	A 12vdc DPCO relay mounted on a PCB with screw terminals and holes for mounting on nylon pillars. Contacts rated at 1A. Requires 12vdc at 20mA.	38 x 34 x 14
S342-20	A panel of 20 x S342-1 modules. Snap individual relays off the panel as required.	Individual Relay - 38 x 34 x 16
S342-2	Two independent 12vdc DPCO relays mounted on a PCB with screw terminals and holes for mounting on nylon pillars. Contacts rated at 1A. Requires 12vdc at 20mA per relay.	80 x 36 x 14
S342-2B	Two independent 12vdc DPCO relays mounted on a PCB with screw terminals. Supplied in a plastic single gang sized enclosure complete with tamper switch. Contacts rated at 1A.	Relay - 80 x 74 x 16 Box - 87 x 87 x 36
S342-3	Three independent 12vdc DPCO relays mounted on a PCB with screw terminals and holes for mounting on nylon pillars. Contacts rated at 1A. Requires 12vdc at 20mA per relay.	80 x 74 x 16
S342-3B	Three independent 12vdc DPCO relays mounted on a PCB with screw terminals. Supplied in a plastic single gang sized enclosure complete with tamper switch. Contacts rated at 1A.	Relay - 80 x 74 x 16 Box - 87 x 87 x 36
S342-4	Four independent 12vdc DPCO relays mounted on a PCB with screw terminals and holes for mounting on nylon pillars. Contacts rated at 1A. Requires 12vdc at 20mA per relay.	80 x 74 x 16
S342-4B	Four independent 12vdc DPCO relays mounted on a PCB with screw terminals. Supplied in a plastic single gang sized enclosure complete with tamper switch. Contacts rated at 1A.	Relay - 80 x 74 x 16 Box 87 x 87 x 36
S361	12vdc DPCO relay 5A contacts. Requires 12vdc at 60mA.	80 x 74 x 16
S361-MB	A 12vdc DPCO relay with 5A 250vac mains rated contacts. Supplied in a plastic single gang sized enclosure complete with tamper switch. 24vdc version available on request. Requires 12vdc at 60ma.	Relay - 80 x 74 x 16 Box - 87 x 87 x 36
S361-MK	Mains rated relay kit: The first enclosure is tampered and contains a relay with single pole change over contacts rated 5A at 250vac or 12/24vdc. The relay coil requires 12vdc to operate. The second enclosure is a junction box providing a replication of the SPCO contacts. An earth terminal is provided for termination of an in coming mains cable. A loop of cable is provided within the kit to connect the two enclosures together. Requires 12vdc at 60mA.	Relay - 80 x 74 x 16 Box - 87 x 87 x 36
VQ16297	Boxed 10A mains rated relay. Mains coil and 10A mains rated contacts.	222 x 148 x 77

Door Interlocking Interguard IG432

The range of Interguard door interlock controllers provide comprehensive options for the interlocking of doors and other access control hardware such as roller shutters, traffic bollards and gates. The use of any type of electronic lock is catered for as is integration with other systems including access control and fire alarms. Specified in numerous industries including security, cash handling, jewellers and pharmaceuticals, Interguard delivers a comprehensive solution.

Interlocking in its simplest form is for 2 doors where only one door can be open at any one time.

Secure interlocking	Non secure interlocking	Indications	Breach relay conditions
Keeps all doors closed and locked and releases the relevant door on request only if available to be released. i.e. all other doors are locked.	Keeps all doors closed but unlocked, and locks the other doors if a door is opened.	Red/Green indicators are provided at each door. Combinations of steady and flashing red and green lights indicate the status of the door.	Indications for power loss, forced doors and doors left open on all models. IG432 and IGPX8 additionally include inputs for fire alarm conditions.

The IG432 provides interlocking of 2, 3 or 4 doors. In addition to straight forward interlocking the 4 doors can be interlocked in two groups which share a common door. i.e. one 2 door interlock and another 2 or 3 door interlock where one door of each group is actually the same door. A privacy function is also available which with the use of an additional push button (S1726S) allows two of the doors to be locked for example as a changing room.

- Interlocking of up to 4 doors
- Adjustable dwell times
- Integral 12vdc 5A power supply
- Adjustable Door Open Too Long times
- Secure or non secure interlocking
- 2/3 door with common door option
- Door status indications
- Privacy function
- Fire alarm inputs
- Range of accessories available
- Various breach relay outputs
- Comprehensive kits available



Complete 2, 3 and 4 door kits

The kits listed below provide all of the components (excluding locks, door contacts and cable) required to install fully working interlock systems. Locks are available separately.

Comprehensive Kit Part Numbers (Kits do not include locks or cable)	
IG432K2	2 Door Kit. Comprises 1 x IG432 Controller, 4 x S1718S Press to Release pushbutton with RED/GREEN indication, 2 x MCP-GS-02 break glass units, 1 x S1719S keyswitch and 1 x S1788PY High power sounder with 8 ultra bright YELLOW LED's.
IG432K3	3 Door Kit. Comprises 1 x IG432 Controller, 6 x S1718S Press to Release pushbutton with RED/GREEN indication, 3 x MCP-GS-02 break glass units, 1 x S1719S keyswitch and 1 x S1788PY High power sounder with 8 ultra bright YELLOW LED's.
IG432K4	4 Door Kit. Comprises 1 x IG432 Controller, 8 x S1718S Press to Release pushbutton with RED/GREEN indication, 4 x MCP-GS-02 break glass units, 1 x S1719S keyswitch and 1 x S1788PY High power sounder with 8 ultra bright YELLOW LED's.

CODE	DESCRIPTION	DIMENSIONS (mm)
IG432	Interguard 2/3/4 door control unit with steel case & 5A PSU.	400 x 300 x 95mm
IG4320	Interguard 2/3/4 door control unit with steel case no PSU.	400 x 300 x 95mm
IG528	Interguard 5/6/7/8 door control unit with steel case & 5A PSU.	400 x 300 x 95mm
INTERGUARD KITS		
IG432K2	Complete 2 door Interguard kit	
IG432K3	Complete 3 door Interguard kit	
IG432K4	Complete 4 door Interguard kit	

Door Interlocking Interguard IGPX8

Fully programmable, the IGPX8 allows the interlocking of up to 8 doors in any combination imaginable. A simple programming system allows for the on-site configuration of site specific requirements. This also allows for the instant alteration of the interlocking to meet customers ever changing needs.

- Interlocking of up to 8 doors
- Various breach relay outputs
- Integral 12vdc 5A power supply
- Adjustable dwell times
- Secure or non-secure interlocking
- Adjustable Door Open Too Long times
- Door status indications
- Range of accessories available
- Fire alarm inputs



Door Interlocking Interguard IG222

Ideally suited to supervised operation, the IG222 is a 2 door interlock system with built in door release controls. While the built in door release buttons can be used to release doors, additional remote push buttons can be added if required. The integral key switch can be connected for various uses including isolating local door controls and releasing or locking both doors. Requires a separate 12 or 24vdc power supply.

- Interlocking for 2 doors
- Breach/fault relay
- Secure or non-secure interlocking
- Adjustable dwell times
- Door status indications
- Adjustable Door Open Too Long times



IG432 Example Application



Cleanroom Interlocks for Pharmaceutical company

"The Hoyles IG432's were used to replace existing equipment. Standard software was modified to allow the air to stabilize for 30 seconds after the doors had been used. Mark Ashall Operations Director at Unique Integrated Systems says... 'I can confidently recommend Hoyles Electronics as a 'Keep It Simple Solution' product manufacturer and supplier to the trade. We regularly use the Hoyles IG432 interlocks as we are confident in getting great results for us as an installer and for our customer."

Working closely with Hoyles has helped us meet the requirements needed to install and commission the system with minimal disruption in this heavily regulated industry."

CODE	DESCRIPTION	DIMENSIONS (mm)
IGPX8	Interguard 8 door programmable interlock controller	600 x 400 x 120
IG222	2 Door Interlock with Keyswitch (Plastic Case)	175 x 125 x 60

Door Interlocking Accessories

Door Interlocking Custom Solutions

Ancillary buttons and accessories.



CODE	DESCRIPTION	DIMENSIONS (mm)
S1717S	Door status indicator with Red and Green LED's S/S. Requires 12vdc at 40mA	86 x 86 x 38
S1717SJM	Door status indicator with jumbo Red and Green LED's S/S. Requires 12vdc at 100mA	86 x 86 x 38
S1718S	Press to Release button with door status LED's S/S. Requires 12vdc at 40mA	86 x 86 x 38
S1718KSW	Request to Release keyswitch with door status LED's. Requires 12vdc at 40mA	86 x 86 x 38
S1719S	Interguard Maintenance Keyswitch	86 x 86 x 38
S1788PY	High Power (108dB) sounder with 8 ultra bright Yellow LED's and selectable tones. Separate drives for LED and buzzer.	87 x 87 x 36
S1726S	Press to Lock/Unlock Privacy Button	86 x 86 x 38
S1712SGPTR	Mushroom headed momentary action Press to Release button. Requires 12vdc at 40mA	86 x 86 x 50
MCP-GS-02	Resettable SPCO Emergency Release Call Point in Green	93 x 89 x 59.5

Magnetic locks suitable for use with all our Interguards and Shared Bathroom range.



CODE	DESCRIPTION
AS8529	Mini Magnetic Lock - Holding Force: 250kg/550lbs
AS8530	Mini Magnetic Lock - Monitored - Holding Force: 250kg/550lbs
AS8521	L bracket for mounting Mini Magnetic Locks on outward opening doors
AS8522	Z & L brackets for mounting Mini Magnetic Locks on inward opening doors
AS8534	Standard Magnetic Lock - Holding Force: 510kg/1120lbs
AS8535	Standard Magnetic Lock - Monitored - Holding Force: 510kg/1120lbs
AS8523	L bracket for mounting Standard Mag Locks on outward opening doors
AS8524	Z & L brackets for mounting Standard Mag Locks on inward opening doors
AS9539	12vdc Fail Secure Mortice door lock
AS9557	12vdc Fail Safe Mortice door lock

Buy online at www.hoyles.com

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

www.hoyles.com
Tel: +44 (0)1744 886600

A vast range of experience in solving door interlocking problems puts Hoyles in a unique position to be able to advise upon and deliver interlocking solutions for any scenario.

Sometimes, despite the wide range of features and flexibility of our standard door interlocking products, customer requirements dictate the need for a dedicated custom solution.



Working with you and your client, we can design and manufacture control equipment that not only meets requirements but delivers a robust and reliable solution.

To date Hoyles have delivered door interlocking solutions into diverse industries such as financial services, cash handling, jewellers, custodial, defence environments, and clean rooms in the pharmaceutical and health care sectors.



Vehicular access to a secure site

Controlling the entrance and exit of vehicles at secure sites is often problematic. The use of traffic control powered barriers, bollards and gates together with the necessary sequencing presents an unusual challenge. Typically operation and sequencing of equipment can fall to staff who can sometimes get it wrong.

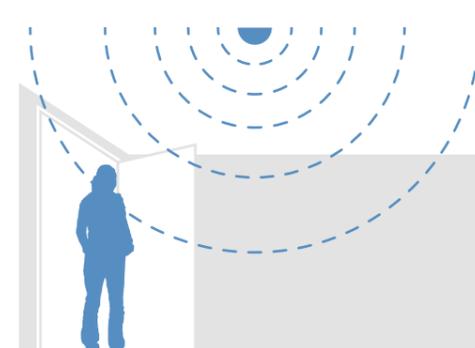
Hoyles have developed several systems which combine both interlocking and event sequencing to ensure simple system operation for staff and that access rules are always complied with.



Clean room environmental control

Within clean room facilities door interlocking plays a vital role in controlling the environment. This can include the entrances and exits to clean rooms, changing rooms and also material transfer hatches.

Hoyles door interlock systems are regularly adapted to not only deliver door interlocking but also enforce required rules such as static discharge before entry, lock down after use for air change and wash down after use.



Presence detection

In various applications it can be desirable to ensure that no persons are present within an interlocked area while a particular process takes place. This maybe within an area handling cash or other high value goods, or even in an area where the environment needs to be controlled.

Hoyles have delivered an number of systems which integrate presence detection with door interlocking. These systems handle both the required scenarios but also deal seamlessly with system errors such as if someone is detected in an area when they shouldn't be.

Buy online at www.hoyles.com

Shared Bathroom Solutions Basic

Sharing one bathroom between two bedrooms can save an entire bathroom worth of floor space plus the cost of the sanitary ware, maintenance and cleaning. By sharing a single facility between two rooms or areas better facilities can be provided in less space and at a reduced cost.

Basic Shared Bathroom Solution

Suited to domestic and commercial applications, our Basic Shared Bathroom Solution provides an electronic means of locking two doors of a shared bathroom at the press of a single button. It provides LED indication of the door lock status to the user. The system ensures that one user cannot vacate the bathroom leaving another users' door locked as they could using mechanical locks.

- Shares one en-suite bathroom between two bedrooms
- Ensures users cannot be locked out of their bathroom
- Simple to use
- Suited to various domestic and commercial applications
- Complete kit available (excluding cable)



Shared Bathroom Solutions Advanced

Advanced Shared Bathroom Solution

The Advanced System is typically used in Care Homes, Hospitals, Schools and other public buildings. As well as the obvious money saving benefits the Advanced Shared Bathroom Solution provides secure door control, preventing the bathroom being used as a passage way and giving total privacy for its users. An incorporated advanced assistance alarm automatically releases a door if help is called for and prevents users from hogging the bathroom. If two doors aren't enough a third door for access from a corridor can be added.

Scenario occurs in numerous situations including, bathrooms in nursing homes and hospitals, and disabled toilet facilities within buildings such as cinemas, theatres, schools where public and private access may be required. The Advanced Shared Bathroom Solution is a cost effective way allowing two or three doors to be controlled and interlocked to maintain privacy and to ensure that the facility is available by either groups of users immediately after use. The IGSFC controller along with the peripheral equipment also ensure that security cannot be breached. It is not possible to pass through from one area to the other no matter what the circumstances. Users can only return to the area from which they came.

Comprehensive features include assistance call and anti-hogging alert.

- Maintains security between two bedrooms
- Ensures privacy
- Visual indication of status
- Auto call for assistance after extended occupancy time
- Incorporated BS8300 compliant assistance alarm
- Assistance called if door left open preventing second user from using
- Audio visual reassurance for assistance alarm
- For legitimate extended occupancy, assistance sounder can be reduced to a reminder bleep
- Automatically releases door for assistance
- 3 door option available



CODE	DESCRIPTION	DIMENSIONS (mm)
Kits		
IGSFBKIT	Basic Shared Bathroom Kit includes: 1 x IGSFB - Multi Function Bathroom Controller, 1 x S1720SI - Internal door control button with LED's, 2 x MR12FS Fail safe mortice door lock, 2 x DCS/Flush fitting magnetic door contact.	
Component Parts		
S1720SI	Internal door control button with LED's.	86 x 86 x 38
S1720IN	External Vacant/Engaged LED indicators	86 x 86 x 38
MCP-GS-02	Emergency door release unit	93 x 89 x 59.5
MR12FS	12VDC fail safe mortice door lock	
IGSFB	Basic Multi-Function Bathroom Controller	400 x 300 x 95

CODE	DESCRIPTION
Kits - Controllers plus accessories. Complete kits excluding cables.	
IGSFKIT-2	Advanced Shared Bathroom Solution Kit - 2 door version kit includes: 1 x IGSFC-2 controller, 2 x Mini Magnetic locks AS8529, 2 x door contact DCS/INT, 2 x S1720SI internal door control button with LED's, 2 x S1720SX external door control button with LED's, 1 x S1600-R Pull Cord, 1 x S1708S Reset Button, 1 x S1703P Remote assistance indicator with silence button, 1 x HR100 presence sensor, 2 x S1778SR Overdoor light/sounder, 2 x Emergency door release unit, 1 x S1709S system disable keyswitch.
IGSFKIT-3	Advanced Shared Bathroom Solution Kit - 3 door version kit includes: 1 x IGSFC-3 controller, 3 x Mini Magnetic lock AS8529, 3 x door contact DCS/INT, 3 x S1720SI internal door control button with LED's, 3 x S1720SX external door control button with LED's, 1 x S1600-R Pull Cord, 1 x S1708S Reset Button, 1 x S1703P Remote assistance indicator with silence button, 1 x HR100 presence sensor, 3 x S1778SR Overdoor light/sounder, 3 x Emergency door release unit, 1 x S1709S system disable keyswitch.

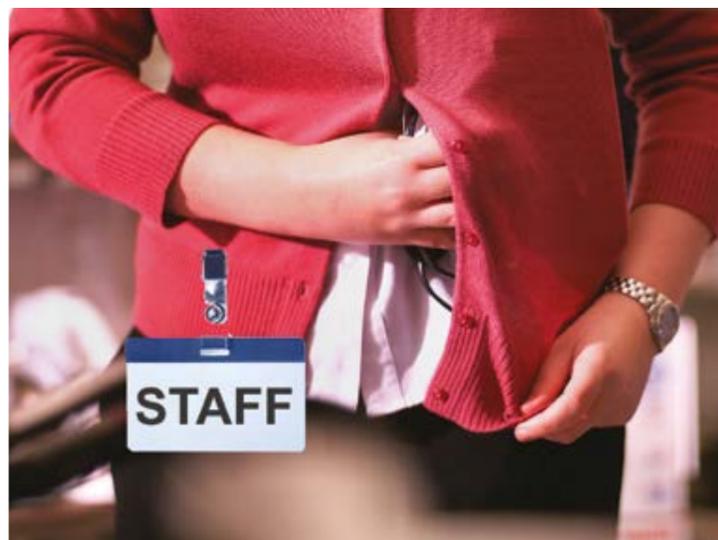
Random Searching Stop n Search

Stop n Search can be used on leaving or entering premises where staff pilfering is suspected or the carrying of weapons or drugs may be a problem. The selection frequency is set up on installation but can be changed to suit changing circumstances. The selection frequency can be set as 2, 5, 10, 20, 30, 50, 70 or 90 percent. If for example a selection frequency of 30% is used then each button press has a 30% chance of being selected.

Statistically 30 people in 100 will be selected. However, it is possible for everyone or no-one to actually be selected. It is random. It is impossible to control the randomness or create a guessable pattern. The software generates a selection if the button is permanently pressed in order to deter users from trying to disable the system. A facility is incorporated to allow a no search condition if staff are not available to conduct a search but still give the impression that the random search regime is in use.

There are two versions of Stop n Search, a battery operated unit for regular use and a more sophisticated mains powered unit that can be used to control an exit door and signal to a remote equipment.

- Adjustable selection frequency
- Battery & mains powered versions
- Audible Bleep & Led Indicator
- Random Inspection/Selection
- Touch button or remote input
- Cuts out discrimination and deters staff pilfering



TAG2



TAG3



CG100

Alarmed Call Point

The ACP100G Alarmed call point is an Emergency release call point with an integrated alarm system providing a deterrent against the misuse of the Emergency Release. Once operated the Emergency Release disconnects power to electronic locks, at the same time the 105dB sounder activates and an LED flashes to alert staff in the vicinity that the Emergency Release has been activated.

The sounder can be silenced using the incorporated keyswitch. Even when the keyswitch is in the isolated position the sounder will bleep every 30 seconds to warn that the Emergency Release has not been reset.

The system will only fully silence once the call point has been reset and the keyswitch returned to the armed position, making this product ideal for vulnerable Emergency doors. The Emergency Release also incorporates a simple cover to prevent accidental operation.

- Resettable Call Point with highly visible deterrent
- Prevents Emergency Release being left "broken"
- Provides direct disconnection of lock power
- High Power Piezo Sounder 105dB
- 12-24 vdc powered
- Keyswitch allows temporary isolation of alarm
- Bleep when isolated function
- Visual Alarm Indication
- Simple Function Change by Internal Jumpers



ACP100G

Optional advanced features include:

- Fire alarm/access control input to suppress alarm
- Delayed egress function

Engaged Wait Enter Entryguard

A unique engaged, wait enter system or privacy controller to provide access control and personal attack facilities for interview rooms, consulting rooms and more. A simple controller allows the room occupant to select one of three states - vacant, in use or engaged. If the door call button is pressed when the status is set to in use, audible and visual indication is given on the Entryguard, the occupant can then decide whether or not to allow entry. If the status is set to engaged, pressing the door call button results in visual only or silent interrupt indication on the Entryguard, again the occupant can then decide whether or not to allow entry to the room.

- Door call button with status LED's
- Easy to use room controller
- Incorporated PA facilities
- Optional door lock control
- Mains powered

Custom built panels are also available to suit special requirements - See pages 42&34. Please call for a quote.



EWE100K



S1625P



AS9539

CODE	DESCRIPTION	DIMENSIONS (mm)
TAG2	Battery powered Stop n Search Heavy traffic version	175 x 125 x 60
TAG3	Mains powered Stop n Search Heavy traffic access/egress version	175 x 125 x 60
CG100	Protective Cage purpose designed for the protection of our Exitguard, DorWatcher, Zoneguard, Aidalarm and Stop n Search models from vandalism and misuse. The cage has openings to allow for normal operation. (N.B. Not supplied with fixings)	Protective Cage 205 x 150 x 70
FIX/16	Pack of 4 anti tamper screws No 8 x 2" Pin Torx Button head for fixing CG100 Protective Cage.	
FIX/16/ATS	Pin Torx anti tamper screwdriver bit to suit FIX/16.	

CODE	DESCRIPTION	DIMENSIONS (MM)
ACP100G	Alarmed Call Point	175 x 125 x 60
EWE100K	Engaged Wait Enter kit. c/w 1 x EWE100, 1 x S1625P, 1 x 2.5m Mains Lead, 1 x 6m Multi-core Cable	
EWE100	Entryguard Controller	175 x 125 x 60
S1625P	Entryguard Call Button	87 x 87 x 47
AS9539	12VDC Fail Secure Mortice Door Strike	

Door Retainer Dorgard

Freedor unique wireless solution visit www.hoyles.com



Dorgard is the simple, reliable acoustic device that holds a fire door open in any position automatically releasing the door should a fire alarm sound. When Dorgard is holding a fire door open, it "listens" for the continuous sound of a fire alarm. Dorgard needs to "hear" a fire alarm that exceeds 65 decibels for longer than 14 seconds. At a general noise level of 80 decibels Dorgard will release. This facility has been built into the unit as a safety feature. Should the noise level in your premises exceed 80 decibels it is unlikely that you would hear a 65 decibel alarm, therefore the Dorgard releases the fire door to close.

- Battery Powered
- Battery Life 12 Months plus
- Acoustically Operated
- Wire Free
- Tough ABS Case
- Fail Safe Operation
- Simple to Install less than 5mins
- Complies with relevant Standards
- Dorgard will hold doors up to 120 Kilos

Dorgard is supplied as a kit and includes: The Dorgard, 2 x C size batteries, fitting template, user guide, floor plate, floor grip and fixing screws.



1328-A01 DORGARD Range



1328-FERRULE



1328-COVALI | 1328-COVBRA



1328-FloorPlate

Fire Alarm for the Deaf Deafgard

Will all your guests hear the fire alarm?

Under the mandatory terms of the Disability Discrimination Act effective 1st October 2004, all hoteliers are legally obliged to make provision for the needs of the deaf and hard of hearing. Using the latest technology, Deafgard is the safe, reliable and portable choice to communicate the sounding of a fire alarm.

The sound pressure level of alarm signals should be not less than 75dB(A) at the bed head. Place the pad under the pillow if the fire alarm sounds the Deafgard hears the alarm which causes the pad to vibrate, alerting sleeping guest to fire.

- Wire free Technology solution
- Automatically operates on fire alarm
- Flashing strobe provides visual indicator
- Incorporates alarm clock facility
- Under pillow pad vibrates waking guests
- Ideal for hotels and other sleeping risk applications
- Battery Operated – 4x1.5v C size alkaline batteries (supplied)
- Complies with relevant BS Standards



DEAFGARD A101

Dorgard and Deafgard X series are ideal for use in noisy environments. Visit www.hoyles.com for more information.

Fire Alarms GX20E

The GX20e is the simplest and most economic form of electronic fire alarm available. It features an integral Call Point and a high power (105db @ 1metre) sounder. A keyswitch is used to silence or restart the alarm.

The GX20e is a manual fire alarm for small buildings where a single standalone alarm is sufficient. However, up to 4 units can be linked with 2 core cable to form a system in which if any one Call Point is operated then all sounders will be activated. A cable monitor is included. Each unit is powered by two PP3 Alkaline batteries (supplied) that have a life expectancy of about 12 months, depending on usage. A battery condition monitor is incorporated to warn of impending battery failure.

- Simple to install and operate
- Battery fault monitor
- Integral sounder and Call Point
- Twin fire LED's
- Robust steel enclosure
- Fault LED
- Battery powered
- Keyswitch silence & restart



GX20E

Fire Alarms GX32CIE

The GX32 battery powered fire alarm system is the most advanced of its type. It is designed in such a way that even if the cables are cut or short circuited in several places the separate parts will continue to function while the fault is indicated. This enables low cost twin cable to be used. Each Call Point is battery powered and has a high power piezo sounder. A trace mode is provided to enable cable faults and battery problems to be pinpointed at the throw of a key. Inter-linkable smoke and heat alarms are similarly equipped with batteries and integral sounders. One smoke alarm can be fitted between each GX32MCP.

Sounder/Call Points (not control panel) give a sound level of at least 100db(A) at 1m to ensure almost 70db(A) at 30m distance to meet BS5839. Up to 32 Call Point/sounder units can be linked to the control. The specially developed cable has a hardened red sheath printed with the words Fire Alarm.

- Simple to install and operate
- Fault tolerant wiring
- Integral Call Point & sounder
- Two wire connection
- Keyswitch silence & restart
- Smoke detector options
- One man walk test mode
- Fault trace mode
- Twin fire LED indication
- Battery powered
- Battery fault monitor



GX32CIE



GX32KIT400 | GX32KIT402

CODE	DESCRIPTION	DIMENSIONS (mm)
1328-A01-BLACK	DORGARD fire door retainer (Black)	205 x 195 x 45
1328-A01-WHITE	DORGARD fire door retainer (White)	205 x 195 x 45
1328-A01-RED	DORGARD fire door retainer (Red)	205 x 195 x 45
1328-A01-BROWN	DORGARD fire door retainer (Brown)	205 x 195 x 45
1328-COVALI	Brushed Steel DORGARD Cover	
1328-COVBRA	Polished Brass DORGARD Cover	
1328-FERRULE	Replacement Rubber Stopper PK 5	
1328-FloorPlate	DORGARD Floor Plate Kit	
DEAFGARD A101	Deafgard fire alarm for the deaf	165 x 115

CODE	DESCRIPTION	DIMENSIONS (mm)
GX20e	Gemini battery powered fire alarm	195 x 137 x 70
GX32CIE	Control with integral Call Point	175 x 125 x 60
GX32MCP	Call Point with integral sounder & battery.	175 x 125 x 60
GX32SMi	Ionisation smoke detector for GX32	
GX32HDI	Heat detector for GX32	
GX32CAB/140	140metres twin RED fire alarm cable	
CABCLIP5RBK	5mm cable clips round BLACK per 100 box	
GX32KIT400	Fire alarm kit – This kit includes 1 x GX32CIE controller, 4 x GX32MCP manual Call Points, 140m of twin RED cable, clips and all the necessary fixings etc.	
GX32KIT402	Fire alarm kit – This kit includes 1 x GX32CIE controller, 4 x GX32MCP manual Call Points, 2 x GX32SMi, 140m of twin RED cable, clips and all the necessary fixings etc.	

Protective Covers

The Smart+Guard is a tough polycarbonate hinged protective cover. Easily installed over a range of call points, emergency switches and other devices providing protection from vandalism, accidental damage or misuse.

The Smart+Enviro waterproof version provides protection for devices where exposure to hostile environments such as off-shore, food industry, swimming pools and leisure centres or underground installations is likely to cause damage to control equipment or switching devices.

Both versions are available with a 90dB integral battery powered alarm warning the user that the device is for emergency use only and should not be tampered with.

- Aesthetically pleasing but tough retrofit protective cover
- Fitted and protecting devices in minutes
- Optional battery powered version with 90dB alarm available to increase security and protection Alarmed Smart+Guard & Smart+Enviro has a 3 year battery life and low battery warning LED
- A break seal can be fitted as a visible deterrent
- Available in 5 colours: red, green, yellow, blue and white
- Surface mounting spacers available 18mm, 32mm (standard) and 50mm



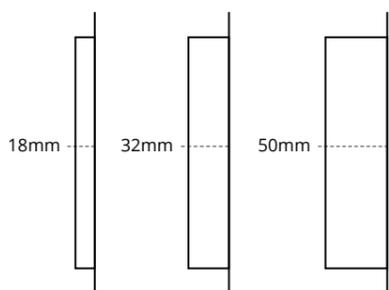
Smart+Guard Cover



Smart+Enviro Cover



Smart+Guard Colour Choices



Smart+Guard Spacers



Accessories

Door Wedged Alarm DorWatcher

DorWatcher is typically used on kitchen fire doors in homes of multi-occupancy such as student accommodation to prevent cooking smoke drifting outside the kitchen causing false alarms. DorWatcher is a fully automatic Door Open Too Long alarm. The unit has no user control and is reset simply by closing the door. When the protected door is opened; the unit LED flashes. By default if the door is left open for approximately 40 seconds, the unit will chime. If the door is left open for a further 20 seconds, the unit sounds its full alarm tone. If the alarm is allowed to sound for 2 minutes the unit reduces the alarm to a tone every 30 seconds, until the door is closed. Timings are adjustable from 30 seconds to 7 minutes.

- Robust and tamper resistant
- Clear instructions displayed on the unit
- Three models available
- Surface mounting door contact provided with 1m of cable pre-connected
- Audible battery fault monitor
- Easy to install and maintain
- Optional anti-tamper screws and driver available



DW304 | DW305 | DW306



FIX/17 | FIX/17ATS

FIX/16 | FIX/16ATS



CG100

Christopher Leigh, Estates and Maintenance Technical Manager at Unite Students says "The rollout of Hoyles DorWatcher has been a significant success for Unite Students. It gives us reassurance that fire doors will always be in place to perform their function in the unlikely event of a fire occurring. Hoyles have delivered the product nationally and have provided excellent support in a timely fashion to a challenging schedule."

Christopher Leigh
Estates and Maintenance Technical Manager – Unite Students

"With sites all over the UK, Liberty Living pride ourselves on the safe and secure environment that we provide for students. The Hoyles DorWatcher has given us added confidence that kitchen doors aren't left propped open whilst students are cooking and has helped reduce the event of false alarms caused by cooking smoke."

Tracey Carr
National Health & Safety Manager – Liberty Living

CODE	DESCRIPTION
Standard Model	
SG-F-X*	Indoor, No Sounder, Flush Mount
SG-S-X*	Indoor, No Sounder, Surface Mount
SG-FS-X*	Indoor, Integral Sounder, Flush Mount
SG-SS-X*	Indoor, Integral Sounder, Surface Mount
Waterproof Model	
SGE-F-X*	Waterproof, No Sounder, Flush Mount
SGE-S-X*	Waterproof, No Sounder, Surface Mount
SGE-FS-X*	Waterproof, Integral Sounder, Flush Mount
SGE-SS-X*	Waterproof, Integral Sounder, Surface Mount

CODE	DESCRIPTION
Accessories	
SG-SMS18	Smart+Guard Sur face Mount Spacer 18mm Deep
SG-SMS32	Smart+Guard Surface Mount Spacer 32mm Deep (Supplied as Standard with Surface Mount Variants)
SG-SMS50	Smart+Guard Sur face Mount Spacer 50mm Deep
SG-BS10	Smart+Guard Break Seals Pack of 10
SG-SP5	Smart+Guard Ser vicing Pin Pack of 5
SG-WG	Weather Gaskets

* When ordering product replace X with:
R for Red,
Y for Yellow,
G for Green,
B for Blue,
W for White

CODE	DESCRIPTION	DIMENSIONS (mm)
DW304	Battery powered DorWatcher	175 x 125 x 50
DW305	12vdc powered DorWatcher	175 x 125 x 50
DW306	Mains powered DorWatcher	175 x 125 x 50
CG100	Protective Cage purpose designed for the protection of our Exitguard, DorWatcher, Zoneguard, Aidalarm and Stop n Search models from vandalism and misuse. The cage has openings to allow for normal operation. (N.B. Not supplied with fixings)	205 x 150 x 70
FIX/16	Pack of 4 anti tamper screws No 8 x 2" Pin Torx Button head for fixing CG100 Protective Cage	
FIX/16/ATS	Pin Torx anti tamper screwdriver bit to suit FIX/16	
FIX/17	Pack of 5 anti tamper screws No 4 x 3/4" Pin Torx C/sunk for DorWatcher/Exitguard lid and Door Contact	
FIX/17/ATS	Pin Torx anti tamper screwdriver bit to suit FIX/17	
DDC/KIT	Double door contact kit for Exitguard and DorWatcher	

Photoluminescent Signs

Escape route sign systems should provide clear instruction for the means of escape. It is not recommended that EC signs & BS 5499 are mixed as it can cause confusion in an emergency situation. Fire Action notices give clear instructions, to all staff and public, of the correct procedures in case of an emergency. Fire Fighting Equipment signs must be used at all times, to enable quick identification of contents and the type of fire that it is safe or unsafe to use it on.



SIZE (MM)	DESCRIPTION
100 x 100	100 x 100mm sign
150 x 150	150 x 150mm sign
200 x 75	200 x 75mm sign
200 x 150	200 x 150mm sign
200 x 200	200 x 200mm sign
200 x 300	200 x 300mm sign

SIZE (MM)	DESCRIPTION
300 x 100	300 x 100mm sign
300 x 150	300 x 150mm sign
300 x 200	300 x 200mm sign
300 x 400	300 x 400mm sign
400 x 120	400 x 120mm sign

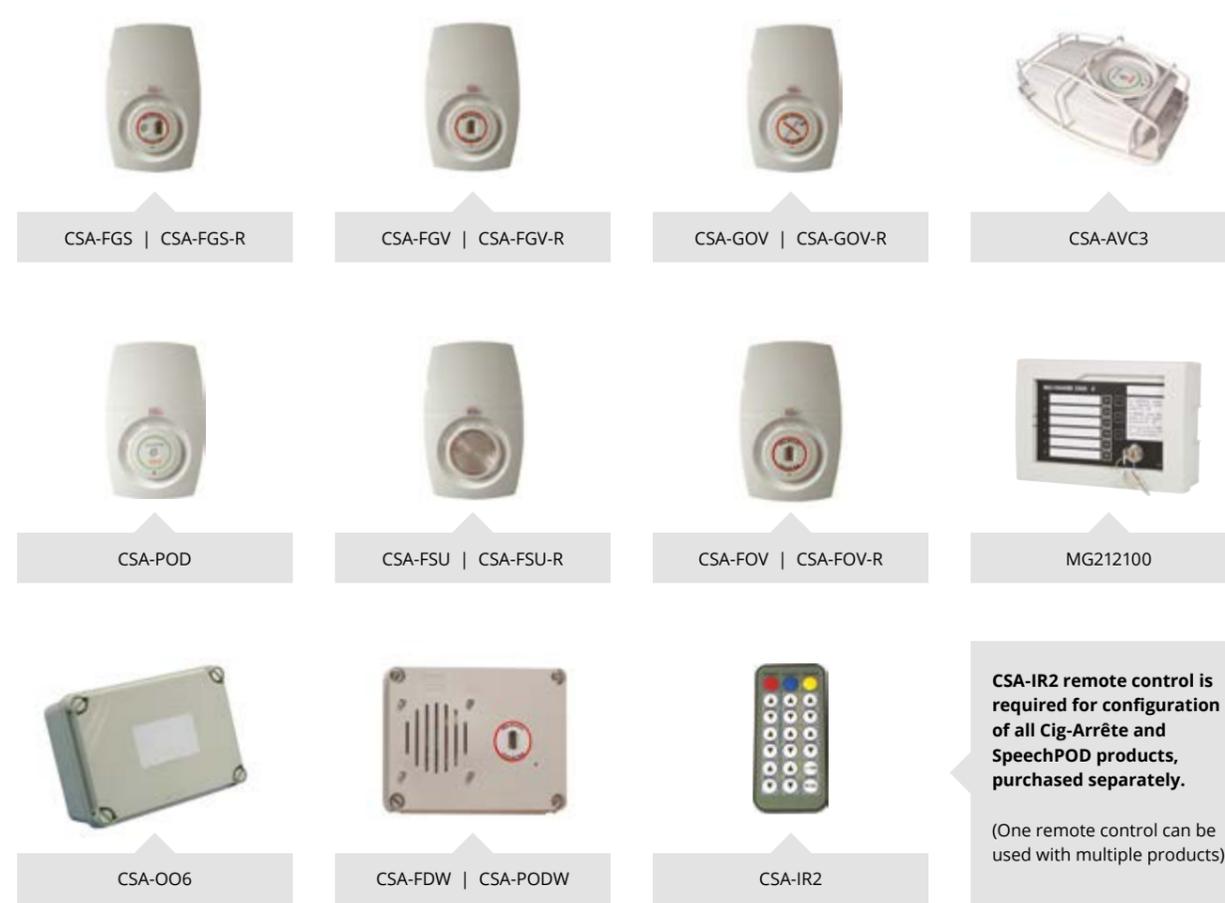
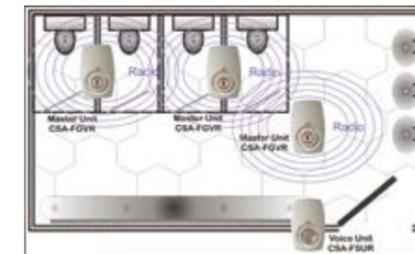
Cigarette Smoke Detection Cig-Arrête

The next generation Cig-Arrête SD Evolution now includes user voice programmability as standard using a Windows file system on a removable SD card. In addition to the standard messages supplied in six languages, any message in any language, accent or dialect can be recorded simply and easily on any PC running Windows.

As well as the standard hard wired options, all Cig-Arrête products are now available with radio communication (20m range) to eliminate installation wiring costs. The system frequency is 433 MHz.

All detectors and flasher units can be powered by 4 x AA batteries (not supplied) or the CSA-006 power supply.

Wireless and hard wired kits available online



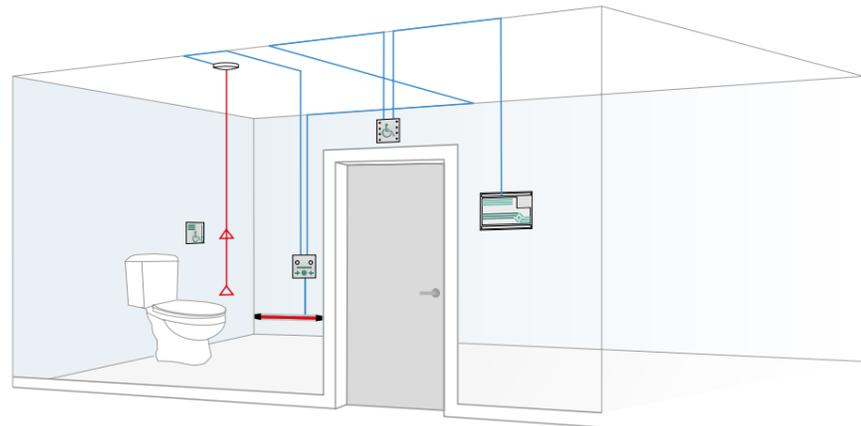
CODE	DESCRIPTION
CSA-FGS	Combined Flame/Smoke/SpeechPOD C/W Voice Alarm
CSA-FGS/R	Radio Com'd Flame/Smoke/SpeechPOD C/W Voice Alarm
CSA-FGV	Combined Flame/Smoke Detector C/W Voice Alarm
CSA-FGV/R	Radio Com'd Flame/Smoke Detector C/W Voice Alarm
CSA-GOV	Smoke Detector C/W Voice Alarm
CSA-GOV/R	Radio Smoke Detector C/W Voice Alarm
CSA-POD	SpeechPOD PIR Voice Warning System
CSA-FSU	Com'd Sounder Flasher Unit c/w Voice Alarm
CSA-FSU/R	Radio Com'd Sounder Flasher Unit & Voice Alarm

CODE	DESCRIPTION
CSA-FOV	Flame Detector c/w Voice Alarm
CSA-FOV/R	Radio Flame Detector c/w Voice Alarm
MG212100	6 Zone Multiguard indicator panel with integral PSU and rechargeable battery
CSA-006	Boxed Power Supply 6vdc 3amp 200 x 150 x 80mm
CSA-FDW	Cig-Arrête Stand Alone W/proof Flame Detector/Voice Sounder
CSA-PODW	Waterproof speech pod
CSA-AVC3	Anti-Vandal Cage to fit all Cig-Arrête & Speech; see Pod Products
CSA-IR2	Infra-Red remote Controller for SpeechPOD

Disabled Toilet Alarms Surface Mount

Aidalarm meets the requirements for emergency signalling systems for disabled persons and is fully compliant with BS8300 and the requirements of the Disability Discrimination Act. Operation - Pulling the cord or pressing the panic strip (optional) generates an alarm which is indicated audibly and visually by the overdoor light reset button and controller. An LED is also illuminated on the pull cord and reset button to give the caller re-assurance that the call has been placed. A silence button is included on the controller; all alarms must be reset using the reset button within the WC. A call button is also available to supplement the pullcord if required. (All items supplied with surface mount in back boxes).

- Audible & visual indication
- Mains/12vdc and battery powered versions
- Battery condition monitor
- Alarm relay output - A600L
- Pullcord instructions label with braille text
- Reset button with braille text
- Selectable tones
- Backup battery - A600L
- Range of optional accessories



CODE	DESCRIPTION	DIMENSIONS (mm)
A600LKITB	Battery powered Aidalarm c/w Ceiling pull cord, Reset button, Overdoor light, Sounder & Instruction label.	
A600LKITM	240vac/12vdc powered Aidalarm c/w Ceiling pull cord, Reset button, Overdoor light, Sounder & Instruction label.	
A600LKITMD	240vac/12vdc powered Aidalarm c/w Ceiling pull cord, Reset button, Overdoor light, Sounder & Instruction label. RPD01000 1000mm Panic Strip.	
A600B	Surface mount battery powered Aidalarm Controller.	175 x 125 x 60
A600L	Surface 240vac/12vdc powered Aidalarm Controller.	175 x 125 x 60
S1600-R	Ceiling mounted Red pull cord with re-assurance LED (cord 3 metres).	Ø86 x 31
S1708A	Surface mounted reset button. Requires 12vdc at 60mA.	87 x 87 x 36
S1778A	Surface mounted Overdoor light and sounder. Requires 12vdc at 170mA.	87 x 87 x 36
S1705PY	Non-Latching Press to Call button with reassurance LED's and buzzer. Requires 12vdc at 60mA.	87 x 87 x 36
RPD01000	1000mm Panic Strip.	
LAB35107	Pullcord instructions label with braille text.	80 x 80
LAB35079	Self-adhesive vinyl Disabled toilet door sign.	100 x 100

Multi Zone Disabled Toilet Alarm Multizone

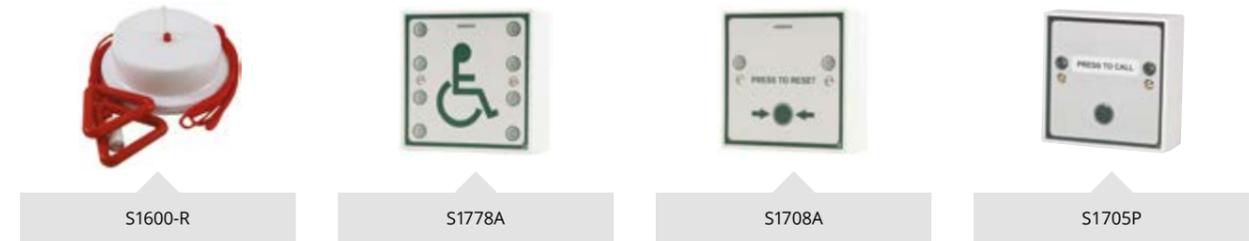
The AA31110D Multiguard is an assistance call system for larger buildings with multiple disabled toilets that need central indication of the origin of the call. It is designed to give dual re-assurance indication at the point of operation. Can also be used for pool alarms or a combination of toilet and pool alarms (see page 35).

Operation

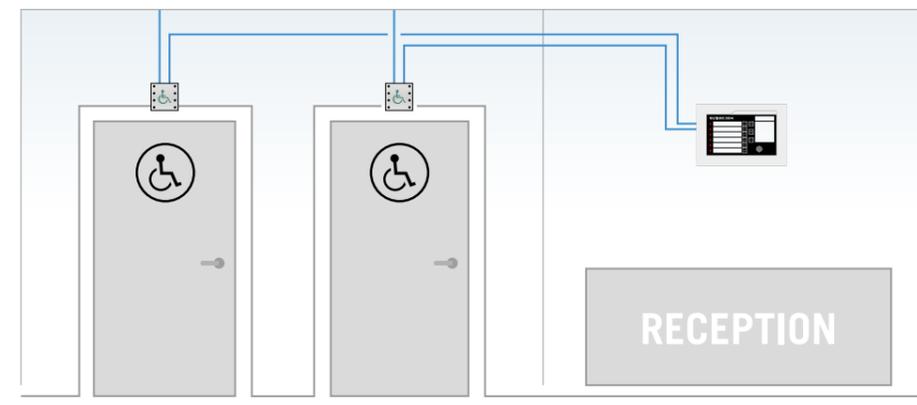
When a pull cord is operated its LED flashes and a local indicator sounds to give the caller re-assurance that the call has been placed. When the call is silenced at the panel the flashing LED becomes steady and the local indicator silences to inform the caller that help is on the way. If the caller pulls the cord again the LED on the pull cord will flash and the local indicator sounds again. When help does arrive the call is reset using the local reset button, all LED's & buzzers are cleared. An integral PSU and battery are included in the AA31110D Multiguard.

The components required to set up a Multizone System are:
 1 x AA31110D, 1 x S1778A per toilet and 1 x S1708A per toilet and 1 x S1600-R per toilet or 1 x S1705PY per toilet.

Custom built panels are also available containing any number of zones. Please call for a quote.



AA31110D



CODE	DESCRIPTION	DIMENSIONS (mm)
AA31110D	Six zone assistance call panel. (Components not included).	197 x 137 x 72
S1778A	Surface mounted overdoor light and sounder with Yellow LED's.	87 x 87 x 36
S1708A	Press to Reset button with reassurance LED's and buzzer, separate drives for LED & buzzer. Switch rated at 50mA with Yellow LED's.	87 x 87 x 36
S1705PY	Non-Latching Press to Call button with reassurance LED's and buzzer, separate drives for LED & buzzer. Switch rated at 50mA with Yellow LED's.	87 x 87 x 36
S1600-R	Red ceiling mounted pull cord with re-assurance LED (cord 3 metres).	Ø86 x 31

Stainless Steel & Brass Disabled Toilet Alarms

Similar in operation to our other Aidalarm units the Stainless Steel and Polished Brass Flush mount disabled toilet alarms range are ideal for the more prestigious locations. All supplied with vandal resistant buttons and LED's. A separate 12vdc boxed power supply with back up battery is required.

- Audible & visual indication
- 12vdc powered
- Alarm relay output
- Selectable tones
- Range of optional accessories

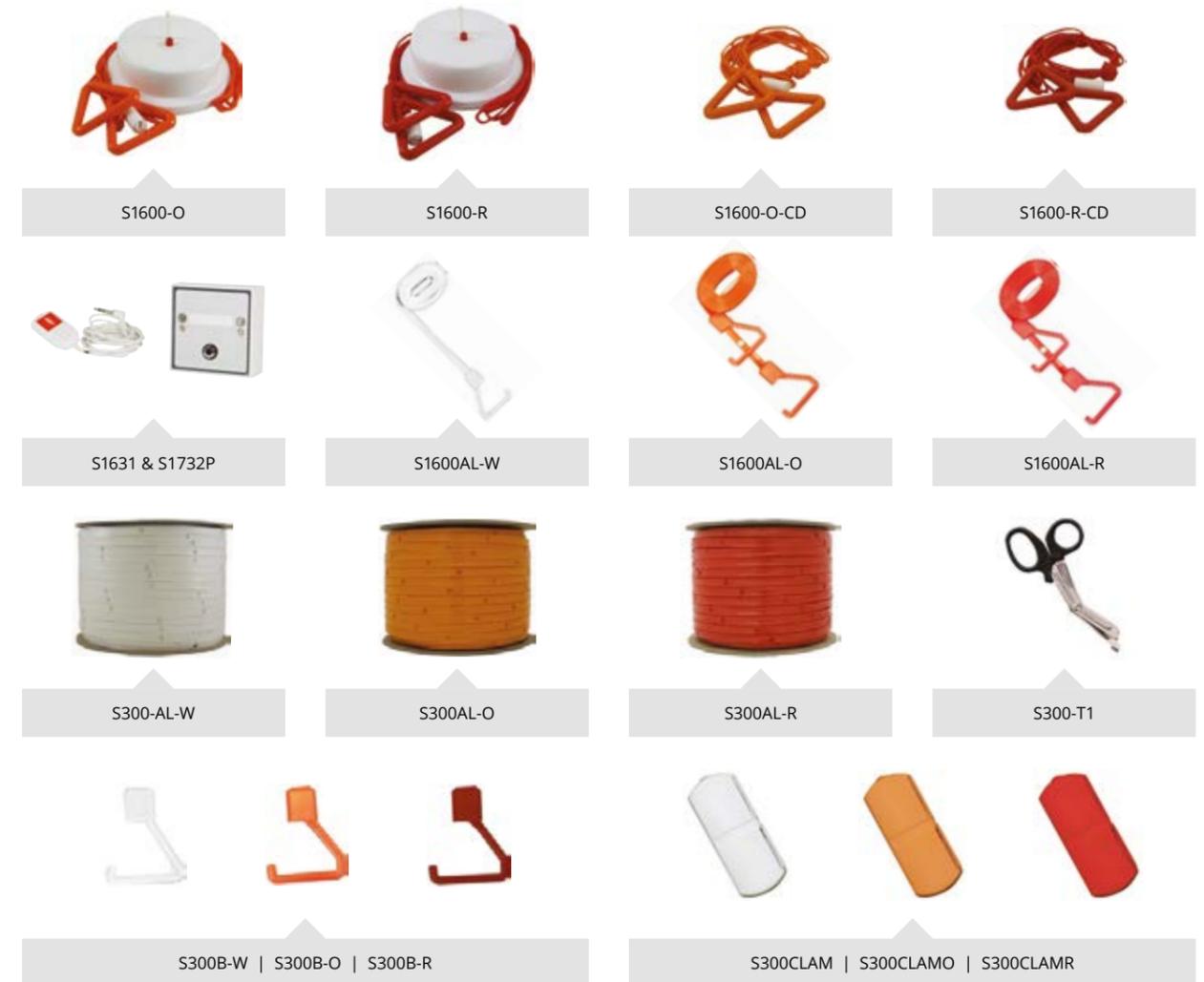
Please note: All Polished Brass fitting are supplied with stainless buttons and LED's



CODE	DESCRIPTION	DIMENSIONS (mm)
A600FKITR	Flush mount Aidalarm 12vdc c/w S1778SR overdoor light and sounder, S1600-R Ceiling Pull Cord, S1708S Reset Button.	
A600FKITRD	Flush mount Aidalarm 12vdc c/w S1778SR overdoor light and sounder, S1600-R Ceiling Pull Cord, S1708S Reset Button. RPDO1000 1000mm Panic Strip	
A600F	Flush mount Aidalarm 12vdc - Stainless Steel. Requires 12vdc 50mA quiescent 150mA max.	180 x 125 x 43 x 2
S1600-R	RED ceiling mounted pull cord with re-assurance LED (cord 3 metres)	Ø86 x 31
S1705S	Stainless steel call button & LED. Requires 12vdc at 20mA	86 x 86 x 38
S1708S	Stainless steel reset button	86 x 86 x 38
S1778SR	Stainless steel overdoor light and sounder with RED 16mm jumbo LED. Requires 12vdc at 50mA	86 x 86 x 38
S1736SR	Stainless steel overdoor light with RED 16mm jumbo LED	86 x 86 x 38
S0610	38mm deep single gang mock stainless steel pattress. Compatible with all stainless steel plates except mushroom headed push buttons	86 x 86 x 38
RPD01000	1000mm Panic Strip	
PSU-12/2AB	12vdc 2A PSU in a steel enclosure	325 x 260 x 90
BAT12V3300LA	12v 3.2Ahr battery	135 x 65 x 65
A600FBR	Flush mount Aidalarm 12vdc/240vac (Polished Brass). Requires 12vdc 50mA quiescent 150mA max.	180 x 125 x 43 x 1.5
S1708BR	Polished brass reset button. Requires 12vdc at 20mA	86 x 86 x 38
S1705BR	Polished brass call button & LED.	86 x 86 x 38
S1778BR	Polished brass overdoor light and sounder with RED 16mm jumbo LED. Requires 12vdc at 70mA.	86 x 86 x 38
S1736BR	Polished brass overdoor light with RED 16mm jumbo LED. Requires 12vdc at 50mA	86 x 86 x 38

Pull Cord Range Standard & Anti Ligature

Comprehensive range of pull cords to suit emergency and anti-ligature pull requirements. Can be purchased complete or in kit form.



CODE	DESCRIPTION
S1600-O	ORANGE Ceiling Pull Cord
S1600-O-CD	Replacement 2.5m ORANGE Cord set for S1600 Pull cord
S1600-R	RED Ceiling Pull Cord
S1600-R-CD	Replacement 2.5m RED Cord set for S1600 Pull cord
S1631	Non-latching Pillow Push with 2m lead and 6.35mm jack plug
S1732P	6.35mm jack socket for use with S1631 Engineer selectable wording
S1600AL-W	WHITE - Sanipull 2m Anti Ligature hygenic REPLACEMENT pull cord
S1600AL-O	ORANGE - Sanipull 3m Anti Ligature hygenic REPLACEMENT pull cord
S1600AL-R	RED - Sanipull 3m Anti Ligature hygenic REPLACEMENT pull cord

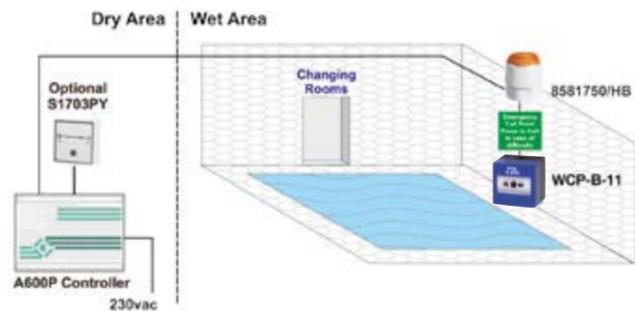
CODE	DESCRIPTION
S300AL-W	300M WHITE Sanipull anti-ligature ribbon on a reel
S300AL-O	300M ORANGE Sanipull anti-ligature ribbon on a reel
S300AL-R	300M RED Sanipull anti-ligature ribbon on a reel
S300-T1	Tough cut scissors for Sanipull
S300B-W	WHITE Bangle and adaptor for Sanipull
S300B-O	ORANGE Bangle and adaptor for Sanipull
S300B-R	RED Bangle and adaptor for Sanipull
S300CLAM	WHITE Clamshell adaptor for Sanipull
S300CLAMO	ORANGE Clamshell adaptor for Sanipull
S300CLAMR	RED Clamshell adaptor for Sanipull

Pool Alarms

Pool alarm systems are available as single zone using the A600P controller or Multi-Zone using AA31110D controllers. They are designed to provide an emergency calling facility from a pool side, sauna or steam room to a supervisor location. To generate a call the user simply operates the poolside Call Point WCP-B-11 or S1711WGB (Sauna use). An audible and visual warning is given by the controller and the sounder beacons connected to the system. Sounder beacons are silenced by pressing the silence button on the controller. The panel will then bleep every 60 seconds and the beacons will continue to flash until the activated Call Point is reset this also resets the controller.

Single Zone Pool Alarm

Available as a kit (A600PKIT), the single zone system is ideal for smaller pools requiring only one general area of emergency call cover.

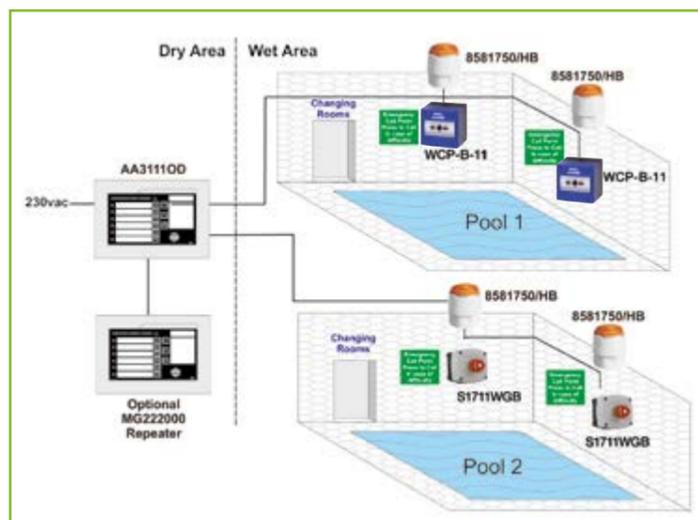


Multi-zone Pool Alarm

Comprising of our 6 zone Assistance Call panel AA31110D plus other accessories, the Multi-Zone system provides a comprehensive emergency call system for larger pool and leisure centres. The 6 zone panel provides an indication of the location from which a call has been made. Repeater panels to indicate alarms in multiple location, are also available. Can also be used for toilet alarms or a combination of pool and toilet alarms.

The components required to build a system are as follows.

- 1 x AA31110D Control Panel
- At least 1 x WCP-B-11 Call Point per zone.
- At least 1 x 8581750/HB Sounder Beacon (can be fitted per zone or per system)
- 1 x LAB35200 Pool Alarm Sign (per Call Point required)



Lone Worker Alarm Mayday

The Mayday is a loneworker safety system that is designed to raise an alarm call if a lone worker becomes incapacitated. Once the Mayday is activated, two separately adjustable time periods. 20 - 60 minutes and 2 - 10 minutes respectively start to time and indicate audibly and visually. As the timers approach time out, the indications become more urgent. If the lone worker fails to reset the timers, the Mayday signals for assistance. The Mayday is mains powered and supplied with a rechargeable 12v 0.8Ahr standby battery. The integral 12v power supply will deliver 150mA for ancillary items.

- An On/Off key switch to arm the unit and secure reset
- OK button to restart the countdown timer and reset the alarm
- A green power on LED
- Four red system active countdown LED's
- An integral piezo sounder. (100db at 1m)
- Two adjustable countdown timer controls. (Fitted internally & only used during the installation set-up)

Scenario 1

Restricted work period e.g. within a freezer room - with responders near by.
1 x LMW2, 1 (or more) S1778PR AV units located near the responders, 1 (or more) S1778PR AV units for the worker.

Scenario 2

Typically Lone Worker in plant room with responders in different part of building.
1 x LMW2, 1 (or more) S1778PR used as AV units located near the responders, 1 (or more) S1703PR used as AV/OK buttons and/or PIRs for the worker.

Scenario 3

Isolated Lone Worker e.g. weekend work.
1 x LMW2, 1 x SD1E Auto dialler to contact the responder, 1 or more S1703PR used as AV/OK buttons and/or PIRs for the worker, 1 x Mobile phone for the worker.

Scenario 4

Wandering Lone Worker e.g. security guard. Mobile phone to acknowledge all is well.
1 x LMW2, 1 x SD1E Auto dialler, 1 x Mobile phone, 1 (or more) OK/AV buttons.



CODE	DESCRIPTION
Single Zone Pool Alarm	
A600PKIT	Single Zone Pool Alarm Kit
A600P	Pool Alarm Controller
WCP-B-11	Resettable DPCO Pool Alarm Call Point IP67 Rated
8581750/HB	Amber Lens Deep White Base 32 Tone Sounder Strobe 9-30vdc. Requires 12vdc at 110mA
LAB35200	Pool Alarm Sign 282 x 199 x 2mm.
Optional Items	
S1703PY	General Purpose button with Yellow LED's and Buzzer

CODE	DESCRIPTION
Multi Zone Pool Alarm	
AA31110D	Six Zone Assistance Call Panel for Toilet or Pool Alarms
S1711WGB	Mushroom Headed Push Button Twist Release IP65 Rated
WCP-B-11	Resettable DPCO Pool Alarm Call Point IP67 Rated
8581750/HB	Amber Lens Deep White Base 32 Tone Sounder Strobe 9-30vdc
LAB35200	Pool Alarm Sign 282 x 199 x 2mm.
Optional Items	
MG222000	6 way repeater MG212XXX

CODE	DESCRIPTION	DIMENSIONS (mm)
LMW2	MayDay Lone Worker safety system.	175 x 125 x 60
SD1E	Auto dialler to transmit a message via PSTN	
S1708PR	Additional Reset (OK) Button. Press to Reset button with RED reassurance LED's and buzzer, separate drives for LED & buzzer. Switch rated at 50mA	87 x 87 x 36
S1703PR	Remote Audio Visual Overdoor. General purpose button with RED LED's & buzzer, separate drives for LED & buzzer. Engineer selectable wording. Switch rated at 50mA	87 x 87 x 36
S1778PR	Remote Audio Visual Overdoor light. Overdoor light and buzzer with 8 RED bright LED's, separate drives for LED and buzzer.	87 x 87 x 36
K1010G	Keyguard Green with battery Alarm	142 x 125 x 65

Resettable Call Point

Stainless Steel Buttons & Indicators

Customised versions available

Our manual Call Point range offers the advantages of a resettable element, the Call Points can simply be reset, providing an ideal solution for users suffering from high numbers of false activations. MCP range supplied as surface mount.
Dimensions: Facia - 93 x 89 x 27.5 mm, Back Box - 87 x 87 x 32 mm.



Waterproof Resettable Call Points IP67, supplied as Surface Mount. **Dimensions: 93 x 97.5 x 71 mm.**



All stainless plates are supplied with a 38mm galvanised steel mounting box for flush fitting. Dimensions - 86mm x 86mm x 2mm - Facia. Can be surface mounted using part no. S0610 listed below. All LED's and buttons are sealed to IP65 with the exception of the S1709S, SM, ST0, ST1 and S1729ST1.



CODE	DESCRIPTION
MCP-RS-01	Resettable Fire Alarm Call Point surface mount EN54-11 470/680.
MCP-GS-11	Resettable DPCO Emergency Release Call Point surface mount.
MCP-GS-02	Resettable SPCO Call Point in GREEN.
MCP-GS-33	Resettable Triple Pole Call Point in GREEN.
MCP-YS-11	Resettable DPCO Call Point in YELLOW.
MCP-BS-11	Resettable DPCO Call Point in BLUE.
MCP-WS-11	Resettable DPCO Call Point in WHITE.
WCP-R-01	Fire Alarm Call Point IP67 Resettable RED EN54-11 470/680.
WCP-B-11	Pool Alarm Call Point IP67 Resettable DPCO (BLUE).

CODE	DESCRIPTION
WCP-G-11	Emergency Release Call Point IP67 Resettable DPCO (GREEN).
WCP-Y-11	Gas Shut Off Call Point IP67 Resettable DPCO (YELLOW).
WCP-W-11	Outdoor Call Point IP67 Resettable DPCO (WHITE).
KG1/5	Replacement glasses for KAC break glass Call Points (5 PACK).
PS210	Resettable Element for KAC break glass Call Points.
KACK/5	Test keys for KAC break glass Call Points (10 Pack).
PS200	Hinged Call Point cover for KAC Call Points.

CODE	DESCRIPTION
S1705S	Press to Call button with re-assurance LED.
S1705STC	Button with LED (including up to 45 characters text of your choice).
S1706S	Press to Exit button.
S1706STC	Button (including up to 45 characters text of your choice).
S1707S	Press to Enter button.
S1708S	Press to RESET button.
S1708SL	Press to RESET button with LED.
S1714STC	Two LED's (including up to 45 characters text of your choice).
S1715STC	Two LED's and a Button (including up to 45 characters text of your choice).
S1720SI	Press to Lock/Unlock button with LED's.
S1720SX	Press to Unlock button with LED's.
S1720IN	GREEN and RED LED's engraved with Vacant and Engaged.

CODE	DESCRIPTION
S1709S	2 position key switch.
S1709SM	2 position key switch with momentary spring return action.
S1709WP	2 position waterproof switch (to surface mount requires S0610-50).
S1729ST1	Keyswitch trapped in on position with RED and GREEN LED's.
S1778SR	Overdoor light & Sounder with RED 16mm jumbo LED.
S1736SR	Overdoor light with RED 16mm jumbo LED.
S1778SG	Overdoor light & Sounder with GREEN 16mm jumbo LED.
S1736SG	Overdoor light with GREEN 16mm jumbo LED.
S1717SJM	Door status indicator with jumbo RED and Green LED's S/S.
S0610	38mm deep single gang mock stainless steel pattress.
WG1	Weather Gasket 1 gasket required for flush units. 2 gaskets required for surface units. Two gaskets supplied per pack.

All LED's and sounders are configured for operation at 12vdc. Standard LED's require 20mA, jumbo LED's require 50mA and sounders require 20mA.

Disabled Push Pads

Range of Surface Mount Stainless Steel Door Release Button with Change Over Contact. 100mm round or narrow style engraved with disabled logo in blue. SPCO contacts rated at 2A 48vdc or 15A 250vac. Also available plain or can be laser etched with text of your choice.



CM-41-4



CM-41-1 SMLE



SPB002ND

LED Indicators

Range of LED indicators for various applications.



VQ750 | VQ750i



S1782P



S319i

CODE	DESCRIPTION	DIMENSIONS (mm)
CM-41-4	Surface mount 100mm round switch with disabled logo engraved "PUSH TO OPEN". GREY or BLACK back box included.	100 x 100 x 44 (approx)
CM-41-1-SMLE	Surface mount 100mm round push pad laser etched with text of your choice. GREY or BLACK back box included.	100 x 100 x 44 (approx)
SPB002ND	(LED terminated for 12vdc operation).	45 x 85 x 45
VQ750	Simple indicator for use with intruder alarms and other systems to indicate, for example, the ON/OFF status of a collection of intruder alarms at a remote point. The unit requires a permanent 12vdc supply (24vdc option available). Seven Red LEDs can be illuminated by applying a negative signal per LED. When no signals are applied to the red LEDs, the green LED will automatically illuminate. Other LED colours can be provided if required. The facia can be engraved to your requirements. The text required must be specified in writing when ordering, maximum 24 characters including spaces per LED.	162 x 84 x 60
VQ750i	A basic eight LED status indicator. The LED's can be RED, YELLOW or GREEN and are terminated for operation at 12vdc (24vdc option available). The facia can be engraved to your requirements. The text required must be specified in writing when ordering, maximum 24 characters including spaces per LED.	162 x 84 x 60
S1782P *	8 way Indicator unit with sounder. There are separate drive inputs for both the individual lights and the sounder. Housed in a low profile ABS enclosure with a scratch resistant decal. We will label the facia with words of your choice or supply it blank. Please see "Text Requirements" download for further information.	87 x 87 x 36
S319i	Double gang set indicator plate - Jumbo 16mm RED LED mounted upon double gang engraved plastic plate. Requires 12vdc at 50mA	

* All of the above products marked with an asterisk are available with LED's in Red, Green and Yellow. Please add R, G or Y to the code when ordering.

Mushroom Headed Buttons

For customisable buttons look for codes ending TC



Range of Stainless Steel mushroom headed push buttons. All supplied with normally closed/normally open contacts and 47mm galvanised back box. Overall dimensions including push button and back box 85 x 85 x 81mm. Single gang mock stainless steel pattress converts flush mounting single gang stainless steel items to surface mount. The 50mm deep version is required for surface mounting of our range of mushroom headed push buttons.

All codes ending TC are priced to include up to 45 engraved characters of your choice including spaces. Codes ending SL are priced to include an LED.



S1711S | S1711STC | S1711SATS



S1711SL | S1711SLTC



S1712S | S1712STC



S1712SL | S1712SLTC



S1713S | S1713STC



S1713SL | S1713SLTC



S1712SG | S1712SGTC



S0610-50



WG1



S1711WGB | DISC-PA1



S1712WGB | DISC-PTE



S1721WGB | DISC-PA

Above products only: Mushroom headed push buttons mounted in an IP66 rated enclosure. Ideal for use outdoor or in other damp environments such as around swimming pools, wet rooms, saunas and steam rooms. (Please check that the operating temperature specification is suitable for your installation prior to ordering.) Dimensions 90 x 85 x 60mm (including push button depth is 85mm)

CODE	DESCRIPTION
S1711S	RED Mushroom headed latching button with twist to reset facility
S1711STC	RED Button (including upto 45 characters text of your choice)
S1711SATS	RED Mushroom headed latching button with twist to reset facility. Comes with Anti Tamper Screws
S1711SL	RED Mushroom headed latching button with twist to reset facility plus LED
S1711SLTC	RED Button (including upto 45 characters text of your choice) with LED
S1712S	RED Mushroom headed momentary action button
S1712STC	RED Button (including upto 45 characters text of your choice)
S1712SL	Mushroom headed momentary action button with LED
S1712SLTC	Mushroom headed momentary action button with LED & Custom Text
S1713S	RED Mushroom headed latching button with key reset facility
S1713STC	RED Button (including upto 45 characters text of your choice)
S1713SL	RED Mushroom headed latching button with key reset facility plus LED

CODE	DESCRIPTION
S1713SLTC	RED Button (including upto 45 characters text of your choice)
S1712SG	Mushroom headed momentary action button GREEN
S1712SGTC	Mushroom headed momentary action button GREEN with custom text
S0610-50	50mm deep single gang mock stainless steel pattress. Compatible with all mushroom headed push buttons.
WG1	External Weather Gasket single gang switches
S1711WGB	RED Mushroom headed latching button with twist to reset facility IP66 enclosure.
S1712WGB	GREEN momentary action mushroom headed button. IP66 enclosure.
S1721WGB	RED mushroom headed push/pull latching button. IP66 enclosure.
DISC-PA1	Panic Alarm Engraved Disc for S1711WGB
DISC-PTE	Press to Exit Engraved Disc for S1712WGB
DISC-PA	Panic Alarm Engraved Disc for S1721WGB
DISC-SPEC	Engraved disc for above WGB range specify text, colour and push button type when ordering.

Plastic Buttons & Indicators

Customised versions available

General purpose wall mounted push buttons in white ABS, complete with a 18mm single gang ABS surface mounting back box. If you wish to flush fit your push button, a 25mm deep single gang metal back box will be required. All push buttons are supplied with a tactile mark resistant decal and two LED's. LED indicators have eight high brightness LED's. Surface mount size 87 x 87 x 36mm.



* All of the above products marked with an asterisk are available with LED's in Red, Green and Yellow. Please add R, G or Y to the code when ordering.

Fuse Boards, Batteries & Power Supplies

Range of rechargeable, alkaline batteries and steel enclosure switched mode PSU's.



CODE	DESCRIPTION
S1703P *	General purpose button with LED's & buzzer, separate drives for LED & buzzer, selectable wording. 12vdc at 60mA switch rated at 50mA.
S1705P *	Non latching Press to Call with separately driven LED & buzzer requires 12vdc at 60mA switched rated at 50mA.
S1708P *	Press to Reset button with separately driven LED & buzzer requires 12vdc at 60mA switched rated at 50mA.
S1760P *	Multi function push button with LED's & selectable wording. Functions: commutate/latch, follow the button, latch for 5 seconds. Requires 12vdc at 70mA switched rated at 1A.
S1706PG	Multi function Press to Exit button with green LED's Functions: commutate/latch, follow the button, latch for 5 seconds. Requires 12vdc at 70mA switched rated at 1A.
S1707PG	Multi function Press to Enter button with green LED's Functions: commutate/latch, follow the button, latch for 5 seconds. Requires 12vdc at 70mA switched rated at 1A.

CODE	DESCRIPTION
S1718PRG	Press to Release button with Red and Green door status LED's. Separate drives for Red and Green. Requires 12vdc at 60mA switched rated at 50mA.
S1717PRG	Status indicator with 4 Red and 4 Green LED's. Separate drives for Red and Green. Requires 12vdc at 150mA.
S1709PRG	Two position DPCO key switch with RED and GREEN LED's. Separate drives for RED and GREEN. Key switch positions labelled 0 & 1.
S1709PRGTC	Two position DPCO key switch with RED and GREEN LED's. Separate drives for RED and GREEN. Labelled to your requirements, please specify when ordering.
S1736P *	Overdoor Light with 8 bright LED's
S1778P *	Overdoor light and buzzer with 8 bright LED's. Separate drives for LED and buzzer. Requires 12vdc at 170mA.
S1788P *	High Power (108dB) sounder with 8 ultra-bright LED's and selectable tones. Separate drives for LED and buzzer. Requires 12vdc at 200mA.

* All of the above products marked with an asterisk are available with LED's in Red, Green and Yellow. Please add R, G or Y to the code when ordering.

CODE	DESCRIPTION	DIMENSIONS (mm)
Power Supplies		
PSU-12/2AB	12vdc 2A PSU in a steel enclosure	325 x 260 x 90
PSU-12/5ASMB	12vdc 5A Switched Mode PSU in a large steel box c/w 8 fused outputs	400 x 300 x 95
Batteries <i>The above power supplies are designed to maintain rechargeable sealed lead acid batteries, as shown below.</i>		
BAT12v800LA	12v 800mAh battery	96 x 27 62
BAT12v3300LA	12v 3.2Ahr battery	135 x 65 x 65
BAT12v7000LA	12v 7.0Ahr battery	150 x 65 x 95
BATTPP3ALK	9v PP3 Alkaline battery	
BATT1.5ALK	1.5v AA Alkaline battery	
Fuse Output Modules		
S348	8 way fused output module	80 x 74 x 16
S348-4	4 way fused output module	80 x 36 x 16
S348B	Boxed 8 way fused output module with fuse status LED's.	Relay - 80 x 74 x 16 Box - 87 x 87 x 36
S1812REG	A 12vdc Low Drop Out Regulator module which will stabilise a PSU output of between 12.5 and 18vdc providing 12vdc at up to 500mA.	45 x 45 x 14

Door Contacts



Anti Tamper Screws



Sounder Strobes

A complete range of IP45 - IP66 strobes and sounders available with deep or shallow base, selectable tones and volume levels. To prevent IP66 rating being compromised use bracket instead of drilling deep base.



Above products available with Red, Green & Yellow LED's. Please add R, G or Y to code when ordering.

CODE	DESCRIPTION
DCS/1S	Surface mount magnetic door contact as supplied with our Exitguards. 4 core connection on 1m of cable. Complete with fixing screws and cable clips.
DDCKIT	Double door contact kit (DDCKIT) Two surface mount door contacts plus 3m length of 4 core alarm cable for use with Exitguard and DorWatcher.
DCS/INT	Environmental Class 2, Operation Gap: 20mm Approx, Dimensions: 67mm x 14mm x 13mm, Terminals: 5-Screw. Supplied with mounting screws.
DCS/FLUSH	Environmental Class 2, Operation Gap: 14mm Approx, Dimensions: 20mm Diameter, Terminals: 5-Screw. Supplied with mounting screws.
DCS/F3M	As above, flush door contact with 3 metre potted cable.
DCS/G3	Grade 3 surface mount door contact with Magnetic Interference. Compatible with Hoyles ZONEGUARD and all mainstream UK control 78mm x 25mm x 20mm.

CODE	DESCRIPTION
DCS/RS	150mm x 40mm x 15mm, Operating Gap 50mm, Cable protected by armoured sleeving IP67 sealed. Material: Aluminium
DCS/HD	Heavy duty aluminium angle door contact. 80mm x 25mm x 27mm, Operating Gap 50mm, 457mm Cable protected by armoured sleeving IP67 sealed. Material: Aluminium
FIX/17	Pack of 5 anti tamper screws No 4 x 3/4" Pin Torx C/sunk for Exitguard/DorWatcher lid and Door Contact.
FIX/17/ATS	Pin Torx anti tamper screwdriver bit to suit FIX/17.
FIX/11	Pack of 2 anti tamper screws M3.5 x 25mm hex-pin C/sunk for stainless or plastic plates.
FIX/11/ATS	Pin-Hex anti tamper screwdriver bit to suit FIX/11.
FIX/16	Pack of 4 anti tamper screws No 8 x 2" Pin Torx Button head for fixing CG100 Protective Cage.
FIX/16/ATS	Pin Torx anti tamper.

CODE	DESCRIPTION
Strobe Red	Red flashing strobe 12vdc 200mA single hole fixing.
Strobe Blue	Blue flashing strobe 12vdc 200mA single hole fixing.
8581050/HB	32 Tone Sdr Strobe 9-30vdc Deep base Red Lens Red base. Requires 12vdc at 110mA. Ø92 x 95mm.
8581550/HB	32 Tone Sdr Strobe 9-30vdc Deep base Red Lens White base. Requires 12vdc at 110mA. Ø92 x 95mm.
8581750/HB	32 Tone Sdr Strobe 9-30vdc Deep base Amber Lens White base. Requires 12vdc at 110mA. Ø92 x 95mm.
8581850/HB	32 Tone Sdr Strobe 9-30vdc Deep base Blue Lens White base. Requires 12vdc at 110mA. Ø92 x 95mm.
8581900/HB	32 Tone Sdr Strobe 9-30vdc Deep White base Green Lens. Requires 12vdc at 110mA. Ø92 x 95mm.
BA87330/01	Shallow Base White - Converting to shallow base changes IP rating to IP45.

CODE	DESCRIPTION
BA87340/01	Shallow Base Red - Converting to shallow base changes IP rating to IP45.
858MM08728	Wall mounting bracket for deep base sounder strobe. Prevents IP66 rating being compromised.
8502700	Mains pack 110Vac - 230Vac powers 858 beacons from mains.
S1736P	Overdoor light with 8 bright LED's.
S1778P	Overdoor light & buzzer with 8 bright LED's, separate drives for LED & buzzer.
S1788P	High Power (108dB) sounder with 8 ultra bright LED's and selectable tones. Separate drives for LED & buzzer.
S1717PRG	Door status indicator with 4 Red and 4 Green LED's. Separate drives for Red and Green. Can be used with Interguard.

Voice Sounder Chatterbox

The ChatterBox Talking Alarm Module is a self-contained audio module with loud speaker. Typical uses include a voice sounder for an intruder alarm, building welcome messages, general alarm messages.

Please visit our website for a full list of FOC recordings. If you don't see the wording you require a professional recording service of up to four short voice messages is available — Product code TAMREC. Also an in-line adaptor is available that connects to the speaker output of the TAM401 unit to reduce its level to line level making it suitable for connection to a PA systems. A mono RCA socket is provided for onward connection — Product code TAMLO.

- Can play any type of sound file, be it tones, music or voice
- Unit requires a supply of 12vdc
- Four different sounds can be played by activating one of the four inputs
- Inputs are normally open and must be closed to activate a sound
- SD Memory card included
- Professional recording of up to four short voice messages — Product code TAMREC
- In-line adaptor for connection to speaker output — Product code TAMLO

Over 38 standard messages included - FREE OF CHARGE!

Example of available messages

- The system is now set.
- The intruder alarm system has activated. The police have been called.
- Emergency exit, please close the door.
- Attention! Please close the door.
- Warning! The smoke screen system has activated, please vacate the area immediately.
- The door is unlocked, please proceed.
- Your presence has been detected; the owner and police have been informed.
- Attention! Please turn all lights off before exiting.



TAM401



TAMLO



Chatterbox keeping babies safe!

When Chubb Fire and Security were approached by Birmingham Women's Hospital to help them upgrade and tighten up access security on the new born baby wards Chubb turned to Hoyles Electronics Developments for a solution.

Being one step ahead Hoyles had just developed the TAM401 Chatterbox talking alarm which was ideal for the Hospitals requirements, so much so every exit will soon be fitted with a Chatterbox. As multiple messages are a standard feature of the Chatterbox the hospital are now looking at a two tier security solution by adding a second message to the system.

John Reilly Senior Sales Executive of Chubb Fire said of the Chatterbox, "...fantastic, flexible product solution, easily installed by our engineers and has allowed us to cost effectively upgrade and expand an old system."

Wireless Link Secure-a-Link

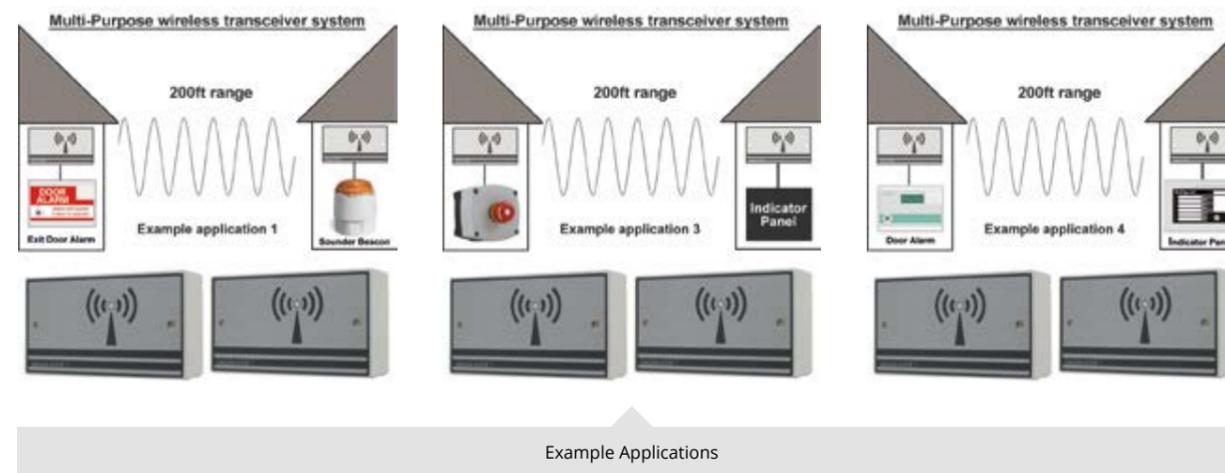
The Secure-a-Link system consists of two identical transceiver units which are paired together, each requiring a local 12VDC power supply. The units can transmit up to 200ft in free space. The system is designed to take a clean contact input and transmit this wirelessly to another point, giving a clean contact output, without the need for hardwiring between the two points. Two way communication between the units is provided so that signals can be sent in either or both directions and once paired, the units only communicate within their pair, so multiple pairs of units can be used within the same area without interference. Each of the units has two clean contact inputs, two clean contact outputs and a unit tamper. The user can select whether to use two separate inputs/outputs with a local tamper LED indication or one input/output with the second output as a clean contact tamper output. When the external input of either unit is applied, it sends a message to the opposite unit to switch its relay. If a tamper is detected on either unit, a message is sent to the opposite unit and the tamper condition is indicated on both units. The tamper is also triggered if communication between the units is lost.

- 1 or 2 way wireless switching of clean contacts
- SPCO 1A relay outputs
- 12VDC powered
- 200ft range (free space)
- Two operational modes
- Unit tamper switches
- Tamper/Fault output
- Status LED
- Signal strength display
- 868MHz band

The Wireless Relay system has many applications where short range transmission of simple switches is required, for example, PA buttons, door contacts remote sounders, lighting, door locking, etc. The units are supplied in double gang plastic plates.



WLR121KIT



Example Applications

CODE	DESCRIPTION	DIMENSIONS (MM)
TAM401	ChatterBox Talking Alarm Module Voice Sounder.	175 x 125 x 60m
TAMLO	ChatterBox Line Level Output Adaptor	
TAMREC	Professional recording of up to 4 short messages.	

CODE	DESCRIPTION	DIMENSIONS (MM)
WLR121KIT	Secure-a-Link Wireless relay transmitter/receiver system.	146 x 87 x 45
PSU-12/2AB	12vdc 2A PSU in a steel enclosure.	325 x 260 x 90

Custom Design

Hoyles are the UK's leading supplier of custom designed control and indication equipment. We are confident we can meet the requirements of your most demanding clients, such as Financial Services, Retail, Police Forces, Courts, Military Installations, Aerospace, Hospitals, Pharmaceuticals, Industrial Sites, etc. Working with yourselves and your clients, our team will design a system that meets exact requirements in terms of both functionality and appearance. Projects are undertaken for both UK and overseas clients all designed and manufactured at our UK factory within the scope of our ISO9001:2008 accreditation.

For other examples see our website www.hoyles.com

Typical projects

- Indicator Panels
- Complex door interlocking
- Sequence control
- Door Status Systems
- Micro Controller Systems
- Cell Call & Affray Systems
- Knock-Wait-Enter
- Set/Unset Systems
- Panic alarms
- Bespoke products

Indicator Panels

General indicator panels designed and manufactured to your clients specifications for virtually any application. Systems can include standard or custom control electronics or may simply be provided just with LED's, push buttons, sounders etc for your own use.



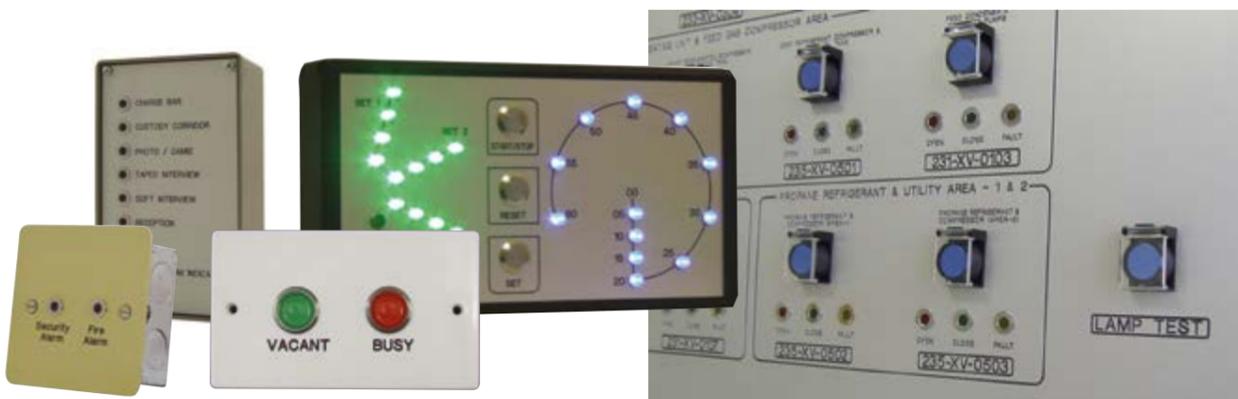
Complex door interlocking

Beyond our standard door interlocking products, we have vast experience in creating door interlocking solutions to create compliance with site specific rules in demanding environments such as cash handling and pharmaceuticals. Projects typically use items of our standard hardware together with bespoke software to achieve the required functionality. This approach helps keep the total time from specification to delivery to a minimum. Where existing hardware cannot meet the requirements bespoke hardware can also be designed and manufactured.



Other bespoke products

Sometimes a standard product does not quite do what you need. We accept this as a challenge and regularly modify standard products to comply with specific requirements. We can also create products from scratch just for you. All of these items can be very simple or complex, whatever is required.



Custom Design

Desk Mounted Indicators

A common requirement in control rooms etc, custom desk mounted indicators and control panels can be designed and built for any application.



Detention Cell Door Lock Controller

Designed for a military installation, this rack mount system provides at-a-glance status indication of cell door locks as well as the ability to control each individual lock. An emergency lock down facility ensures all cell doors are locked at the press of one button.



Deluge Control Panel

The control panel opposite was designed for Cooper Menvier, one of the UK's leading fire alarm installation companies. Standard off-the-shelf equipment did not exist that would give the necessary range of functionality required by the client, a power station. Under certain conditions it had to be possible to rapidly deluge an area to quickly arrest the spread of fire. For both operational and safety reasons the process could not be entirely automatic. Because of the high value and mission critical nature of the site any false activations had to be avoided at all costs. Bespoke software in PIC microcontrollers was used to achieve a reliable and simple to operate system.



Multiple Door Lock Controller

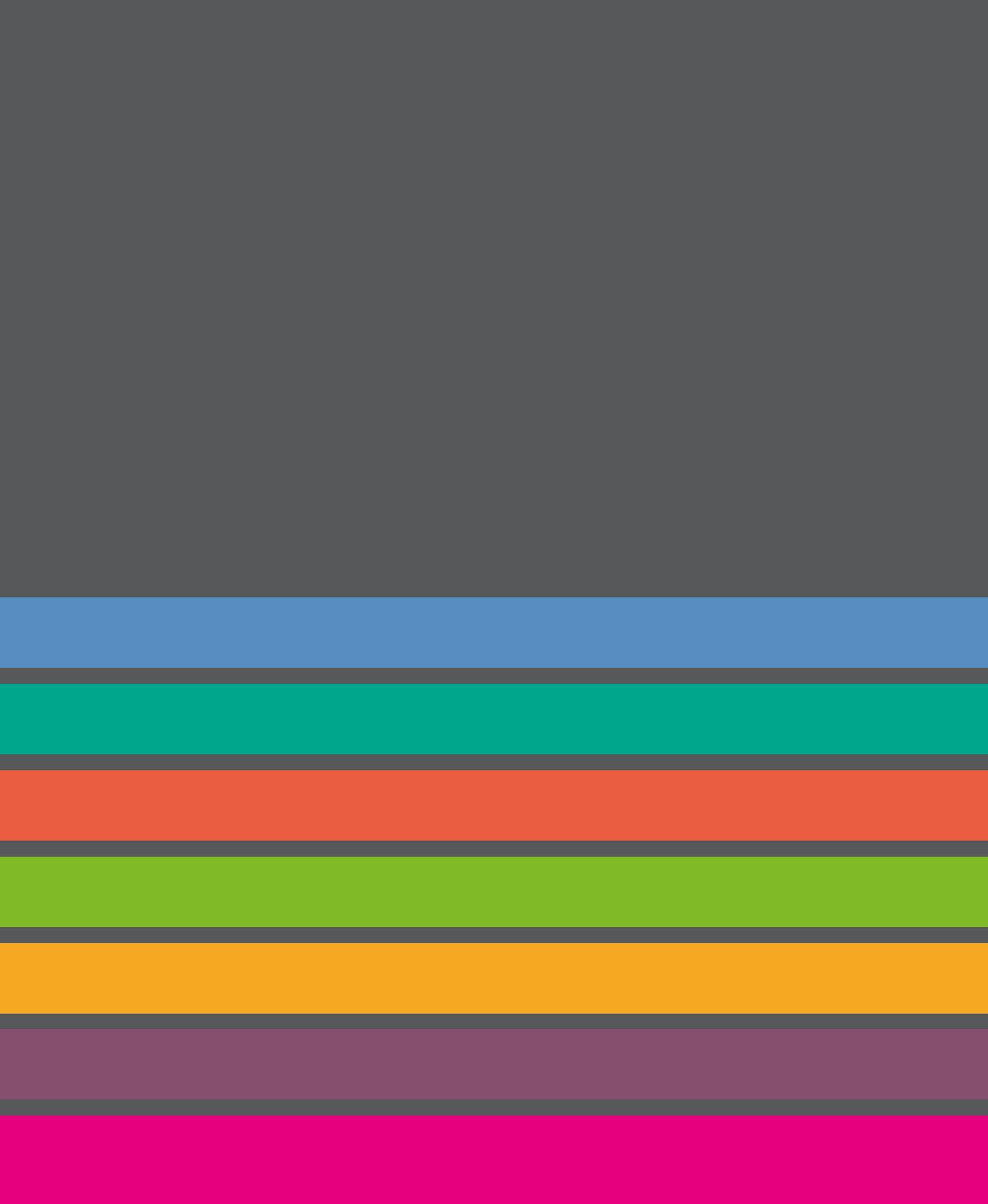
This 11 door lock controller was custom designed for a major security company to meet the requirements of one of their high profile financial sector customers. The controller enables the operator to select one of three preset door status scenarios, preview the function of the selected scenario on the mimic display and then initiate the scenario via the integrated security keypad. The controller is also integrated with access control systems at the site.



Language Options

We can supply equipment in any language. Simply supply us with the text you require and we will do the rest. See an Arabic example opposite.





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