

CHANNEL

SAFETY SYSTEMS

Fire Accessories



Fire accessories
from Channel Safety Systems



Special Function Break Glass

Designed specifically to reduce installation time, the Special Function Break Glass range directly reflects this need by providing a unique 'plug and play' concept.

All products utilise a special terminal block, where all initial installation cabling is terminated. This terminal block is then simply connected to the back of the box. Simple, but effective with no re-termination required and no time wasted.

Through new standards and legislation, both break glass and resettable operating elements can now be used within a manual call point.

S/BG/COVER is a clip on swing cover, made of clear plastic and suitable for flat (not curved/domed) call points.

F/CHSG spare glasses comes in a pack of 10 and fit all KAC and Hochiki call points.

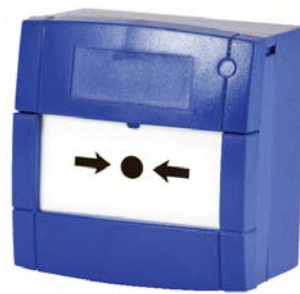
Full compliance with the latest standards is essential and the Special Function Break Glass range is fully approved to the latest EN54-11 standard.

Features

- Unique 'Plug & Go' installation concept
- Total 'Flex-Ability' in the choice of operating element
- Anti-Tamper facility
- Enhanced aesthetics
- Backward compatibility
- Proven Design Approved And Certified To EN54-11
- Use Of Glass Or Resettable Plastic Element
- Alarm Indicator and 240V Changeover Contacts
- Back Box With Fixing Screws

SPECIFICATIONS	
Voltage	9-30V DC
Current	3A
Element Type	Glass / Plastic (Resettable)
Humidity	0-95% non-condensing
Operating Temperature	-100C to +550C
Storage Temperature	-100C to +550C
Construction	PC/ABS
IP Rating	IP24D
Weight	180g

PRODUCT CODE	DESCRIPTION
F/CH/PC	Surface break glass – blue no resistor
F/CH/EDR/FLEX	Surface break glass – green no resistor
F/CH/ER	Surface break glass – yellow no resistor
F/CH/FVE	Surface vent extract unit – yellow no resistor – 3 POS key switch
S/BG/COVER	Break glass unit hinged cover
F/CHSG	10 pack spare glasses



F/CH/PC Surface break glass – blue

Product Dimensions

- Height 93mm
- Width 89mm
- Depth 59.5mm



F/CH/EDR/FLEX Surface break glass – green

Product Dimensions

- Height 93mm
- Width 89mm
- Depth 59.5mm



F/CH/FVE Surface vent extract unit – yellow

Product Dimensions

- Height 93mm
- Width 89mm
- Depth 59.5mm



F/CH/ER Surface break glass – yellow

Product Dimensions

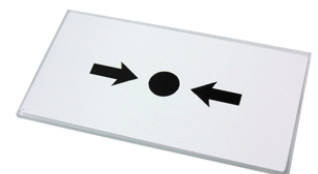
- Height 87mm
- Width 113mm
- Depth 53mm



S/BG/COVER Break glass unit hinged cover

Product Dimensions

- Height 104.87mm
- Width 92.84mm
- Depth 25.80mm



F/CHSG 10 pack spare glasses

Product Dimensions

- Height 40mm
- Width 76mm

Call Point Covers



Product Dimensions

Height 197mm
Width 102mm
Depth 57mm

PRODUCT CODE	DESCRIPTION
F/CHBGC/F	Flush break glass cover
F/CHBGC/S	Surface break glass cover
F/CHBGC/F/S	Flush break glass cover with sounder
F/CHBGC/S/S	Surface break glass cover with sounder

Protective covers help stop malicious or accidental false fire alarms. This unique device has been helping stop false fire alarms around the world for decades without restricting legitimate operation of devices such as fire alarm break glass call points. Ideal for schools, colleges, hospitals, nursing homes, hotels and all public buildings where there is a history or a threat of false fire alarms.

How it works - The Stopper consists of a clear, tamper-proof, tough polycarbonate cover, frame and spacer that retrofits over the break glass call point. When lifted to gain access to the break glass, its optional battery powered integral sounder emits a piercing 96dB (at 1 metre).

Features

- Constructed from tough clear polycarbonate
- Easy to install, can retrofit over existing devices
- Includes integral sounder, powered by a 9V PP3 battery (included)
- Protects equipment from accidental operation, vandalism, product misuse, dust and weather
- Flush and surface mounted versions available

SPECIFICATIONS

Voltage	12 or 24 VDC powered units
Current	3A
Integral Sounder	(Sound Output - 96 dB at 1 Metre)
Element Type	Glass / Plastic (Resettable)
Temperature	-40°C to 49°C
Construction	ABS
IP Rating	IP24D
Weight	0.19Kg

Break Glass Unit



PRODUCT CODE	DESCRIPTION
F/KEY BOX	Break glass key box
F/KEY BOX GLAS	Spare glass for key box

A simple yet immediately recognisable break glass key box, that provides secure and visible storage of keys for use in an emergency.

The perfect solution for when you need to provide a key for emergency use at a restricted use door.

The Perspex window ensures this break glass key box is suitable for food preparation areas, schools and swimming pools.

Replacement glass is also available.

Features

- Sturdy ABS plastic key holder secures and provides visible storage of emergency keys
- Supplied with printed glass (perspex) that reads "BREAK GLASS FOR KEY"
- Constructed from robust ABS plastic casing with a crystal styrene window to protect your emergency keys until needed

Product Dimensions

- Diameter 120mm
- Depth 38mm

Power Supply Units

We supply a high efficiency, cost effective range of Switch Mode power supplies featuring Mains and Battery Monitoring. The modular construction provides for easy maintenance and upgrade capability.

Boxed power supplies are formed from 1.2mm powder coated steel and finished in white. Encapsulated units are class II double insulated.

Please note

- Power supply units are for use with magnetic locks.
- For fire detection systems that need to be EN54 compliant use F/PSU24/3/BMEN54
- All PSU's require batteries

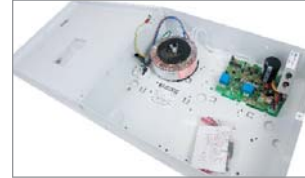
Features

- 1.2mm powder coated steel and finished in white
- IP66 rated boxes
- Electronic Overload Protection
- Mains Transient Protection
- Front Tamper Protection
- Mains Status LED Indication

Product Dimensions

- Height 86mm
- Width 86mm
- Depth 56.5mm

SPECIFICATIONS	
Output (mains on)	12 volt - 13.6V dc nominal 24 volt - 27.6V dc nominal
Load Output	1,2,3 & 5 Amp
Mains supply	90 – 264V a.c. @50-60Hz
Environment	-10C to 40C @ 95%RH
Weight	12V - 2Kg, 24V - 4.1Kg



Images from top to bottom show; PSU closed - PSU 12V & PSU 24V

PRODUCT CODE	DESCRIPTION
F/PSU/12/1/BM	12V 1A power supply unit – battery monitored
F/PSU/12/2/BM	12V 2A power supply unit – battery monitored
F/PSU/12/3/BM	12V 3A power supply unit – battery monitored
F/PSU/12/5/BM	12V 5A power supply unit – battery monitored
F/PSU/24/1/BM	24V 1A power supply unit – battery monitored
F/PSU/24/2/BM	24V 2A power supply unit – battery monitored
F/PSU/24/3/BM	24V 3A power supply unit – battery monitored
F/PSU/24/5/BM	24V 5A power supply unit – battery monitored
F/PSU24/3/BMEN54	24V 3A power supply unit – battery monitored
N/CH12/2.1	2.3AH 12V battery
N/CH12/3	2.8AH 12V battery
N/CH12/7	7AH 12V battery
F/CH24/2.1	2.3AH 24V battery
F/CH24/3	2.8AH 24V battery

Remote Indicators

The remote indicator units are designed for fire detection systems requiring a local indication of an individual, or group of fire detectors. The design utilises a red LED, that has a wide area of illumination and high on/off contrast.

Using a single gang purpose designed moulding, the range operates with many types of conventional and analogue addressable fire detectors, frequently eliminating the requirements to stock two types of indicator.

They may also be used for other applications requiring a local visual indicator. Process control, security and shut down operations are typical environments where this indicator may be used.

Features

- Used to show operation of hidden smoke detectors
- It can be used to link into either addressable, conventional, 2-wire & 4-wire fire detection system arrangements

SPECIFICATIONS	
Supply Voltage Range	5 - 28Vdc
IP Rating	F/CHRI/60 - IP 42 & F/CHRI/C – IP66
Back Box	No
Current @ 24Vdc (via resistor)	24mA
Weight	F/CHRI/60 - 38g, F/CHRI/C – 117g



Product Dimensions

- Height 175mm
- Width 107mm
- Depth 80mm

PRODUCT CODE	DESCRIPTION
F/CHRI/60	Remote indicator
F/CHRI/C	Circular remote indicator

Interface Relays



Our heavy duty relay units are designed for interfacing heavy loads such as door release units or plant shut down equipment with fire alarm systems.

The S/E15/A relay is 24V DC operated double pole change over contacts, with contacts rated at 5A 250V AC. This relay is situated on a PCB allowing terminal block connections to the Relay activation and the Output contacts.

The PCB is located in an IP65 plastic box. The box is oblong 175mm(L) x 107mm(W) x 80mm(H).

The F/CH/HDR/5 Relay is powered by 24V external supply and is provided with 2 separate sets of changeover contacts. The front mounted status LED illuminates when the relay is energised.

Features

- Simple to install
- Visible status indication LED
- Double pole change over contacts

Product Dimensions

- Height 175mm
- Width 107mm
- Depth 80mm

PRODUCT CODE	DESCRIPTION
F/CH/HDR/5	Heavy duty 5A relay
S/E15/A	24V 5A Relay



Fire Alarm Switched Fused Spur

This product provides a secure method for safely isolating the mains voltage supply to fire systems in accordance with BS 5839: Part 1 (2013).

The unit is supplied in a complete enclosure, which is a standard single gang format with preformed holes for mounting on a surface or a 20mm conduit box.

Features

- Both the Live and Neutral supply is switched
- Integral fuse, which cannot be removed without taking the cover off
- The supply can only be isolated by means of a keylock switch
- The key is removable in both ON/OFF positions
- A Green LED is used to indicate mains present at the switched output
- When in the OFF position the FUSE is disconnected from the supply

Product Dimensions

- Height 86mm
- Width 86mm
- Depth 56.5mm

PRODUCT CODE	DESCRIPTION
F/CHFA/SFS	Key operated double pole switched fused spur

SPECIFICATIONS

Operating Voltage	230 V AC
Switch Contact Rating	Double Pole - 230 V ac, 4 A
Fuse Rating	Max - 6 A Fast (20 mm) supplied
Switch Surge Rating	80 A
Enclosure Material	RoHS Compliant, FR ABS
Key Number	901
Weight	175g

Fire Alarm Batteries

Features

- High quality leading brands
- Superb recovery from deep discharge
- Electrolyte suspension system
- Gas recombination
- Multipurpose: float or cyclic use
- Usable in any orientation
- Superior energy density
- Lead calcium grids for extended life

PRODUCT CODE	DESCRIPTION
N/CH12/2	12 Volt 1.2Ah sealed lead acid battery (1 block)
N/CH12/2.1	12 Volt 2.3Ah sealed lead acid battery (1 block)
N/CH12/3	12 Volt 3.3Ah sealed lead acid battery (1 block)
N/CH12/7	12 Volt 7Ah sealed lead acid battery (1 block)
F/CH12/12	12 Volt 12Ah sealed lead acid battery (1 block)
F/CH12/17	12 Volt 1.7Ah sealed lead acid battery (1 block)
F/CH12/24	12 Volt 24Ah sealed lead acid battery (1 block)
F/CH12/38	12 Volt 38Ah sealed lead acid battery (1 block)
F/CH24/2	24 Volt 1.2Ah sealed lead acid battery (2 blocks)
F/CH24/2.1	24 Volt 2.3Ah sealed lead acid battery (2 blocks)
F/CH24/3	24 Volt 3.3Ah sealed lead acid battery (2 blocks)
F/CH24/7	24 Volt 7Ah sealed lead acid battery (2 blocks)
F/CH24/12	24 Volt 12Ah sealed lead acid battery (2 blocks)
F/CH24/17	24 Volt 1.7Ah sealed lead acid battery (2 blocks)
F/CH24/24	24 Volt 24Ah sealed lead acid battery (2 blocks)
F/CH24/38	24 Volt 38Ah sealed lead acid battery (2 blocks)



FREE DESIGN SERVICE

On the basis of receipt of order on contract award

Channel Safety Systems offers a complete Design, Supply & Commissioning service:-

Fire Alarm, to BS.5839. Part 1 2013

Emergency Lighting to BS.5266 Part 1 2011

Nurse Call Systems

Disabled Refuge Systems

CCTV and Access Control Systems

As our Project Sales Engineers and Service Engineers are based across the UK, we offer a fast and efficient service for design, site surveys, project management and all commissioning and maintenance services requirements.

All our external team members are fully qualified to 'sign off' designs and Channel maintains all the relevant insurance policies which means the legal onus is on us, not the contractor.



For all requirements please contact Channel Technical Services team
on 0845 884 7000