SCP V1
Safety Call Point

Datasheet

Jack Fuse Safety Call Points are a range of manual call points/buttons with enhanced safety and reliability features.

SCPs feature a redundant output and activation switches, remote reset and fail-safe configuration.

Applications

- Duress alerts
  - Interview rooms
  - Factories
  - Remote sites
  - Reception areas
- Lockdown activations
  - Schools
  - Hospitals
  - Law enforcement
  - Offices
- Assistance requests
  - Amenities
  - Laboratories
  - Clinics
  - Plant rooms

Features

- Industry leading safety & reliability
  - Redundant activation switches
  - Dual relay output
  - Active monitoring for power fail and cable cut/disconnect
  - Case and wall removal tamper alarm
  - Large tactile actuator with coloured backlit text
- Remote and local reset
- Auxiliary output for separate alarm indicators
- Activation guard
- Adjustable volume & brightness

Introduction

The Jack Fuse Safety Call Points (SCPs) are innovative alarm activation buttons with features that make them an ideal choice for applications where visibility, safety and reliability are paramount.

Used primarily with electronic security and access control systems, Safety Call Points are available in three options:

- **Lockdown**
- **Duress**
- **Assistance**

The SCP design is based on the award-winning Jack Fuse Electronic Break Glass and uses many of the same elements including case, mounting options, tamper switch, cover and back lighting.

Safety

SCP's are designed to provide the most reliable method of manual alarm activation on the market. The design is inherently fail-safe with redundancy and active monitoring. Safety features include:

- Redundant activation switches
- Dual output relays
- Active monitoring for power fail and cable cut/disconnect.
- Case and wall removal tamper alarm
- Large, backlit, tactile actuator with feedback
- Dedicated output for separate alarm indicators

Activation switches. The actuator presses on four individual switches. Each is rated for 100,000 operations. Each switch independently activates the SCP. All four switches would have to fail to prevent activation.

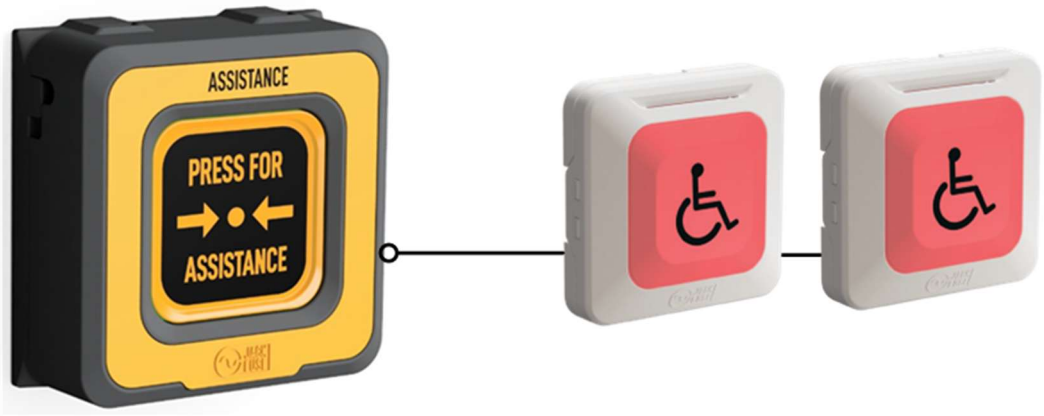
Redundant output. A unique safety feature of the SCP is two output relays that provide redundancy. The relays are connected in such a way that if one relay fails the other relay will still provide a reliable alarm output.

Active Monitoring. The SCP is powered and monitored by the security or access control system. A power failure or cable disconnection will result in an instant alarm transmission.

Tamper Alarm. A tamper switch monitors the SCP for both case opening and unit removal from the wall. This helps notify the security/safety team when an SCP has been accidentally, intentionally or maliciously tampered with and helps ensure maximum uptime.

Back lighting & Feedback. The SCP actuator & text is back lit to help users identify the SCP location and guide them to press the actuator correctly. Once pressed the back lighting colour will change to red to indicate a successful activation. The standby and activation LED backlighting can be disabled independently.

Lodestar Indicator. An onboard output is provided that can drive up to two Jack Fuse Lodestar alarm status indicators. This direct connection reduces cabling and reliance on system programming/extra hardware to provide separate local alarm indication.



AUX output for two Lodestars.

Reset

Remote Reset. Once the original alarm/activation event has been responded to and/or cleared, the SCP can be reset remotely via a power cycle. The remote reset can be a dedicated switch or even a system output controlled via software or a card reader.

Remote reset helps security and safety teams deal with accidental and nuisance activations quickly and have the SCP back in operation for future events. Activations at remote sites can be checked via CCTV and a reset performed without requiring physical attendance.

Using a system output, it is also possible to program a system logic/event to reset a lockdown SCP once the lockdown has been cancelled.

Local Reset. Reset can be performed by security/safety staff at the SCP using the onboard reset button. This feature can be optionally disabled via a jumper setting within the SCP.

Activation Guard

Each SCP is supplied with a lift-up cover to help prevent accidental activations. The cover can be removed or replaced as required.

Operation

The activation output of the SCP connects to any security or access control system in the same manner as a traditional duress button or switch.

In standby mode the SCP actuator and text will be back lit by a specific colour associated with the SCP model used.

A pressing action on any part of the actuator will push down multiple internal switches, any one of which will activate the SCP and cause several events:

1) The alarm output will change state instantly, transmitting an alarm signal to the security system
2) The actuator back light will change to red and the warning sounder will activate.
3) The auxiliary output will turn on and trigger any external alarm indicators that may be connected

The red back lighting and any other alarm indicators will stay active until the SCP is reset.

A reset can be performed in two ways:

- Remotely by a security/safety/administration team member using a switch, system output or other means of power cycling the SCP (on-off-on)
- Locally using the onboard reset button.

During reset the SCP will lose power momentarily.

As soon as the SCP is reset, any alarm indication will cease, the back lighting will return to the default colour and the SCP is immediately ready to be used again.

Notes: The back lighting LEDs and warning sounder can be adjusted for brightness/volume and independently disabled via onboard jumper settings.

Both remote and local reset can be enabled/disabled to suit specific requirements.

During reset and power fail the SCP alarm output will activate. If standard four state alarm monitoring is used a short circuit or cut (open circuit) on the cable monitoring pair will cause an instant tamper alarm in the security system.

Specifier Text

A duress/press for assistance button/call point shall be installed and connected to a security system input. The call point, upon activation, shall immediately communicate an alarm signal to the security system. The call point shall feature an easy to identify, back lit actuator with feedback, tamper switch and auxiliary output for external alarm indicators. The call point shall utilise redundant output and activation switches. Remote and local call point reset options shall be provided. A call point tamper, power fail, reset or cable fault shall communicate an alarm via the security system.

A lockdown button/call point shall be installed and connected to an access control system input. The call point, upon activation, shall immediately communicate a lockdown signal. The call point shall feature an easy to identify, back lit actuator with feedback and case tamper switch. The call point shall utilise redundant activation switches and output. Remote call point reset options shall be provided. A call point tamper, power fail, reset or cable fault shall communicate an alarm via the security system.

Technical Data

Conductor size – terminals	2.5mm^2 (22-12AWG)
Relay contact max current	1A
Relay contact configuration	SPDT (1 Form C) NC redundant NO non-redundant
Aux output	100mA, 12VDC
Tamper contact	NC 1A max
Power	70mA @ 13.8VDC (not including AUX)
Operating voltage	12-14VDC (13.8 nominal)
Dimensions L X W X H	86X86X40mm (with cover)
RoHS	Compliant
AUS/NZ (RMC-EMC) 61000.6.3/4	Compliant
Primary materials	Polycarbonate, Polyamide 46, fiberglass,
Country of origin	China
Recommended cable (tamper shared with alarm)	Four core security (14/020)
Recommended cable (separate tamper monitoring)	Six core security

Ordering Code

SCP-A	Safety Call Point – Assistance - Orange
SCP-D	Safety Call Point – Duress - Yellow
SCP-L	Safety Call Point – Lockdown- Blue
EBG-MB-C	Surface mounting block with conduit knockouts
Lodestar-W	Versatile Alarm Status Indicator - White
Lodestar-C	Versatile Alarm Status Indicator - Charcoal

Learning

Become a **Jack Fuse Product and Power Certified Technician**. Free training available online.

More Information: For complete installation notes, data sheets and technical support please visit www.jackfuse.com