Saxon Range
1-8 Zone Convertional Control Panels

Key Features

Built-in detector removal indication facility

From 1 to 8 zones

4 Alarm circuits on 4-8 zone panels

Conforms to the requirements of EN54-2

User-friendly access code

One-man test facility

Non-latching zone feature

Class change input

Earth fault monitoring

Fully-functional repeater available (4 & 8 zone panels only)

Removable cable-entry grommets

User-friendly controls

Surface or semi-flush mounting as standard

Ample termination space

Flame-resistant polycarbonate enclosure

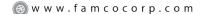Log book and manual supplied

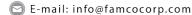Complies with EMC and LVD directives

Introduction

The Saxon Range conventional panel may be supplied in 1, 2, 4 or 8 zone formats. It complies with the requirements of EN54 Part 2. All zones and alarm circuits are monitored for open and short circuit fault conditions with detector removal facility also provided as standard.

The cabinet will house 2 x 12V 2.1AH S.L.A. batteries wired in series, which will sustain an 8 zone panel for up to 24 hours. All panels have a zone 1 non-latch facility to enable panel interlinking without "lock-up" occurring. The class change input enables the alarm circuits to operate without panel indication or panel latching.

The cabinet back-box houses only the transformer, thus providing a virtually empty enclosure for first fix installation. A steel gland plate, removable plastic grommets and ample space are designed to assist with cable termination. A slide-in insert is included for clear zone identification. The surface-mount electronics motherboard is fitted and terminated after first fix installation. Finally a terminal cover completes the panel installation.

The 4 & 8 zone panels will accommodate up to 3 repeater panels, which are connected by a shielded 2- core data cable where the repeater panels are powered locally, or an additional 2-core may be run from the panel for power (Max. 1 repeater may be powered from the panel).
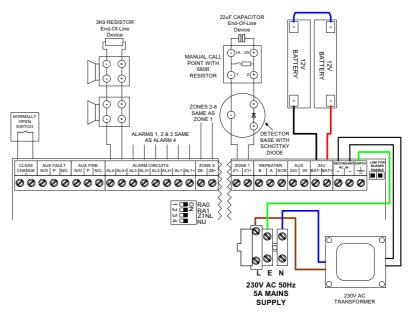
Saxon Range
1-8 Zone Convertional Control Panels

Typical Connections

Technical Specifications

	1 zone panel	2 zone panel	4 zone panel	8 zone panel
Maximum field equipment load:	800mA			
Auxiliary 24VDC output	250mA			
Mains failed current consumption:	35mA @24VDC	40mA @24VDC	40mA @24VDC	40mA @24VDC
Maximum battery charger output:	500mA @27.5 VDC			
Common fire output:	Volt-free contacts - 1A, 30V DC max.			
Common fault output:	Volt-free contacts - 1A, 30V DC max.			
Alarm circuit output:	2 at 250mA each @28VDC	4at 500mA each @28VDC	4at 500mA each @28VDC	4at 500mA each @28VDC
Battery size:	2 x 12V 2.1AH sealed lead acid	2 x 12V 2.1AH sealed lead acid	2 x 12V 2.1AH sealed lead acid	2 x 12V 2.1AH sealed lead acid
Cabinet Sizes (Back box only)	245mmH x 287mmW x 66mmD (Excluding front cover)			
Weight (excluding batteries):	2.3kg	2.3kg	2.3kg	2.3kg

Note: On the 4-8 zone panels the total current available for the field devices is 800mA at 24VDC. This current must be shared between the alarm and aux. supply.
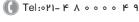
Part Numbers

2500/383	Saxon Range 1 zone control panel
2500/384	Saxon Range 2 zone control panel
2500/385	Saxon Range 4 zone control panel
2500/386	Saxon Range 8 zone control panel
2500/967	Saxon Range Repeater c/w PSU
2500/968	Saxon Range Repeater— Panel Powered

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تهران ، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس ، پلاک ۱۲

Saxon Range

1-2 Loop Analogue Addressable Control Panels (XP95 & Discovery Protocols)

Key Features

From 1-2 loops

Compliant with EN54 parts 2 and 4, BS EN 60950 and BS EN 50130 part 4

Full Apollo XP95 and Discovery compatibility

Automatic recognition of Apollo outstations

Extensive mode change options by day/night and special group allocation

Windows-based, full upload/download PC software package

500mA output per loop with highly stable voltage platform, even under mains-failed conditions
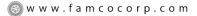
Fully networkable with other Saxon and Excel Series panels, graphics package and **Integra** network repeaters
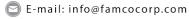
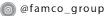Powerful processing and extensive panel and loop I/O capability

User-friendly controls and a clear, unambiguous screen

Membrane facia with tactile switches
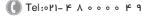
Complies with EMC and LVD Directives

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تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Saxon Range

Introduction

The Saxon range analogue addressable panels are a powerful yet user-friendly series of control panels. They are designed to a high standard in compliance with EN54, parts 2 & 4. Each panel in this modular series has considerable processing ability but is easy to install, programme and operate. This is supported by comprehensive support documentation. Panels are housed in steel enclosures and are finished in hardwearing epoxy paint.

This panel is ideally suited to installations which require very complex sounder and control/shutdown functions. The panels are programmable to meet individual site requirements by means of a cause & effect matrix. This is downloaded from a PC, using the Cause & Effect Edit Programme. Text may be edited via a keyboard or downloaded from a PC.

The Saxon has a 4 line x 20 character backlit LCD display, showing the first and most recent event. Other events may be reviewed using the More Messages facility. User controls are accessed by means of keyswitch-enabled membrane controls, with password protection for engineer purposes. Each panel has a high level of processing power and each loop has its own processor. The panel allows up to 126 addresses per loop. All addresses on a loop may be used for output functions, with 3 independently programmable output bits per address.

By using Apollo Discovery detectors, the system may be configured to automatically switch between heat and smoke detection at selected times of day or week. Additional facilities are also provided for temporary switching between smoke and heat detection to suit short-term changes in environmental conditions.
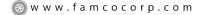
Up to 248 user-definable panel inputs and relay/two-stage alarm outputs can be provided via expansions boards. Many useful testing and service functions are also provided. All events may be recorded on the optional printer and zonal indications are included as standard. There is a complete range of compatible accessories available to support the Saxon panels to meet most customer requirements. The addition of a network card to the panel will allow monitoring, indication and control of the functions of a networked installation, allowing signals to be distributed around a large site.
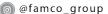
Technical Specifications

Mains voltage	230V AC +10% -6%	
Mains failed fault battery current	1 loop - 145mA	2 loop - 170mA
Mains failed alarm battery current	1 loop - 260mA	2 loop - 285mA
Maximum battery charging current	1.5A	
Alarm circuits	2 @ 1A per circuit	
Auxiliary supply	20V-28V @ 500mA	
Weight (excluding batteries)	8kg	
Dimensions	370mm high x 325mm wide x 139mm deep	

Part Numbers

2500/955   **Saxon** 1 loop control panel
2500/956   **Saxon** 2 loop control panel

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Repeater Panels

Repeater Panels

Saxon CB200 repeater

Part Numbers

2500/968	CB200 repeater panel
2500/967	CB200 repeater panel c/w 230v power supply

Excel EN repeater

Part Numbers

2605/110	EN 8 zone repeater c/w 230v power supply
2605/111	EN 16 zone repeater c/w 230v power supply
2605/112	EN 32 zone repeater c/w 230v power supply
2605/115	EN 8 zone repeater
2605/116	EN 16 zone repeater
2605/117	EN 32 zone repeater

Saxon/ Excel Addressable

Part Numbers

2500/847	Saxon Repeater Panel
2500/848	Saxon Repeater Panel c/w 230v power supply
2500/830	Excel Repeater Panel
2500/842	Excel Repeater Panel c/w 230v power supply
2500/844	Excel Repeater Panel c/w 230v power supply and 32 zonal led indications.
2500/162	A1619 driver board