Connexions

UHF POCSAG
Radio Paging System

features

- Benchmark UHF radio paging system

- Available with two or three serial ports

- 8 on-board volt free trigger contacts

- Optional telephone interface

- Can be driven from a PC, either standalone or via a network

- Optional protocol conversion software allows connection to almost any fire, security or nursecall panel

- Mains powered and DC versions available

- Standard and high power transmitter versions

- Ranges of up to 2 kilometres from standard transmitter with 1/4 wave aerial

The Connexions System has always provided the latest in on-site paging technology at a realistic price. the latest range is no exeption. Now completely re-designed, but retaining the same modular design concept, allowing you to buy the basic unit and add to it as your company's needs change, so the initial outlay is kept to a minimum.

Flexibility has always been the key word with the Scope Connexions Systems, now even more so, with newly designed, high performance interfaces enabling even better connectivity than before. They include connection to internal telephone, PC network, RS232, RS485, USB, dry-contacts and voltage triggers. There is also an Internal protocol conversion option, which enables the translation of incoming RS232 data from host hardware into paging data, providing paging from various fire, intruder, nurse call, building management systems etc.

The basic unit has two RS232 ports and eight dry contact inputs, which enables the system to be hard wired to anything from an alarm control panel to a front door bell to alert prescribed users in the event that required criteria occur. All Connexions systems are supplied configured with default settings and are able to support up to 4 digit pager numbers as standard (9999), so expansion is already built in.

The transmitter is designed to work at UHF frequencies which give an incredibly high degree of reliability in terms of the signalling success within a commercial environment, whilst using very small and unobtrusive aerials. It uses the same international standard digital signalling system (POCSAG) deployed by most wide area paging companies. This is accepted to be amongst the most sophisticated and reliable in the world.

Telephone connection

Connexions can be interfaced to almost any business telephone system*. Operation is very simple; just pick up the handset, key in the paging system extension number and follow the voice prompts. Numeric pager messages can be entered directly using the telephone keypad. It is also possible to send pre-configured text messages when using alphanumeric pagers, which can be programmed by the installer using PC utility software.

Paging from a PC

Connect your paging system directly to a personal computer with the aid of Connex Page, our professional Windows ^{TM} based software package. Connex Page allows paging in both numeric and

Connexions transmitter

Multi-way Interface

Fire Panel

Connex Page

PABX Telephone

* When fitted with optional telephone interface. Requires 2 wire analogue extension port and DTMF tone signalling
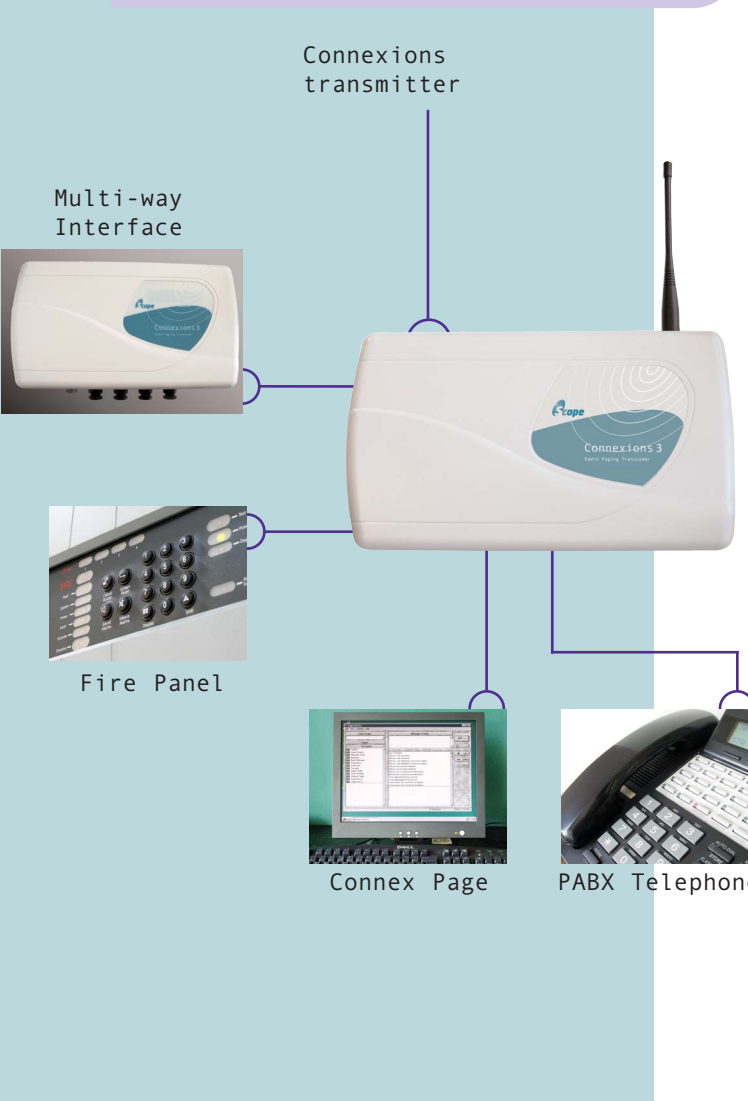
alphanumeric formats, with other enhanced features such as the ability to store unlimited pre-programmed messages, coupled with automatic diary scheduling functions to remind personnel about meetings, appointments and duties. These can be programmed hours, days, weeks, even months in advance.

Network paging

Connex Page software package can be installed right across your network and can access multiple Connexions transmitters linked to your LAN or VPN via (optional) Ethernet interfaces. This means that if you have multiple sites on your network, you can page from a PC in say, your London office to a pager in your Birmingham office.

Alarm and switch connection

There are eight on-board dry-contact 'alarm' inputs, which can be factory programmed to your specification or can be user programmed using PC software. There is also an optional junction box (part code DC8) available for ease of connection to the terminals.

For applications where a greater number of hard wired inputs are required, optional dry contact or voltage input units are available with up to 64* inputs, with additional units being daisy-chained to the first via RS485. PC based software is supplied to enable bespoke programming. This allows anything from doorbells to machinery, security systems to telephone bells, to automatically call a pager or a group of pagers with a specific message. For more detailed information please contact our Technical Sales team.

* The first unit connects to the transmitter by a serial port

PABX Telephone   Fire Panel

Interfacing to third party equipment

The Connexions system has been designed to be connected to a wide variety of devices to enable automatic messages to be sent to individuals or groups of people when their attention is required. This often requires the transmitter to be interfaced to other manufacturer's host equipment, which in most cases was never intended to control a radio paging system. To overcome this difficulty, Scope has designed transmitter software to facilitate data capture from a wide range of other manufacturer's equipment. This enables interconnection with Nurse Call systems, Security, Fire and building management systems, as well as process control apparatus (e.g. temperature and flow rate monitoring). Data can be processed in a wide variety of formats, and our Technical Sales team will be more than happy to advise on specific applications.

Pagers - General

A wide range of flexible pagers exist that can be tailored to meet your exact requirements. Pagers can feature a full alphanumeric display, top or side read numeric display or literally be as simple as a beep or vibrate only pager. Many of the pagers that we now supply are available with advanced software control, enabling them to be preset in a particular configuration which the user cannot change, e.g. to prevent accidental switch-off, or to lock the pager in vibrate mode, so that a deaf person can always detect a call. Please see specific pager brochures on the wide range of pagers available to suit these systems.

Performance

The Connexions system uses the latest surface mount components to deliver fast, reliable operation and features a new high quality transmitter module for rock solid RF performance. A standard quarter wave aerial (approx. 17 cm tall) will provide more than adequate range for most industrial sites and buildings well in excess of 9,000 sq metres, or a free radiated range of up to 2 km. Performance can be further improved by using a centre fed half wave dipole aerial mounted either inside, or outside the building at a more elevated height. An RF amplifier and transponding repeater

unit are also available to aid coverage of very large or 'difficult' sites (subject to licensing conditions).

Other special requirements

Our customers are the driving force behind our business and our aim is to provide the most reliable, cost-effective and safe solutions to all their special requirements. Call us to find out how we can tailor a system to meet your individual needs.

Connexions Input Panel Options

Footprint: (H)* 190 x (W) 335 x (D) 70 mm
[*355mm with 1/4 wave antenna]

Clearance: allow minimum 200 mm clearance on all sides

CX5: 5W synthesised transmitter, mains powered

CX4: 0.5W fixed frequency transmitter, mains powered

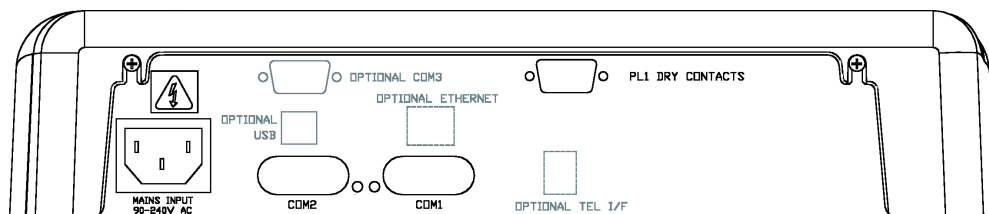**CX4 DC :** 0.5W fixed frequency transmitter, Input Power 12V-14V dc @ 0.5A

Facilities required for Mains Units: 110V ac, 5A minimum grounded, fused outlet.

Approvals: FCC CFR 47 part 90, FCC ID: JRNUSASYNLINK

CE marked and compliant with the R& TTE Directive 1999/5/EC

UL Listed, File no. E211403

Standards applied: CFR 47 Parts 90 & 15, UL 60950-1, EN300 224, EN301 489

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