

The Scantronic Hybrid Range

9751, 9752, 9851 HYBRID ALARM SYSTEMS

Carefully targeted to
answer your every need

The Scantronic Hybrid Range has something to offer everyone:

- A family of panels with common peripherals
- 868 radio technology
- ACPO & DD243:2002 compliance
- Remote diagnostics
- Facilitates easier system design

The Scantronic Hybrid Range is a range of quality approved products capable of providing advanced communications for the more sophisticated system design, yet easily installed and flexible enough for those less complicated jobs.



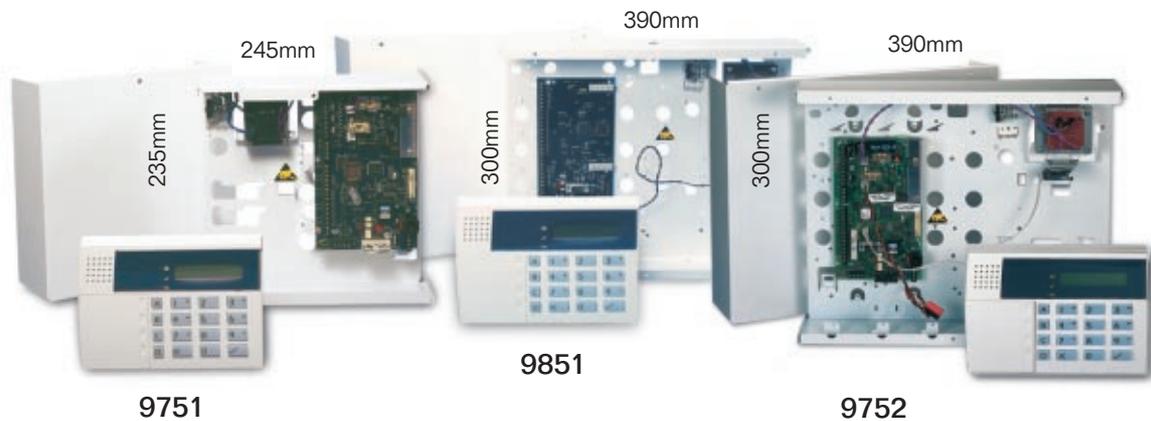
A FAMILY OF PANELS WITH COMMON PERIPHERALS

The Scantronic Hybrid Range is a family of control panels: the 9751, 9752 and 9851.

Capable of protecting up to 40 zones using hardwired or wirefree expansion modules, or a combination of both. The range is suitable for either domestic or small to medium sized commercial applications.

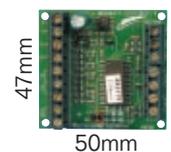
As you would expect from a range, all three panels share common programming making it easy to switch between them to best suit your job requirements.

Each panel increases in capability as you progress up the range, meaning the 9851 truly is the bigger brother of the 9752 and 9751. (See Technical Specifications)



All peripherals can be used with any of the control panels, giving obvious benefits in terms of purchasing and stocking these items no matter what panel is installed.

HARDWIRED PERIPHERALS



9928 Keyswitch interface for momentary and latched switches



9930 LCD keypad

- Modern design
- 16 character LCD display
- Easy to use A, B, C & D button for full set, part set and partitions on 9851
- Backlit LCD display



934EUR-50 Scanprox module

- Proximity tag reader
- Comes with 2 tags
- Plugs into the 9930EUR-50 keypad



9954 HWX Hardwired expander

- 8 hardwired zones
- Selectable CC/FSL/EOL
- Simple installation
- Diagnostics enabled
- Tamper detection

Hybrid range

WIREFREE PERIPHERALS



185mm

130mm



95mm

70mm



60mm

60mm



78mm

38mm



100mm

45mm



140mm

40mm

9955

RFX Wirefree expander

- 8 wireless zones
- Accepts up to 8 remote setting devices
- Field strength reading per zone
- Simple installation
- Diagnostics enabled
- IR learn of transmitters
- Tamper detection

715r

Passive infra-red detector

- Modern design
- 12m detection range
- Look down zone
- 2 x AA Alkaline batteries (not supplied)
- Power save mode

719r

Photoelectric smoke detector

- Optical smoke detector
- External test switch
- 2 x AAA alkaline batteries (not supplied) & 1 x lithium battery
- Audible fire signal
- Audible low battery signal

725r

Remote setting device

- Use for full set, part set & unset
- PA function
- Maximum 8 remote devices per system
- 1 x lithium battery

726r

Two button PA transmitter

- Personal attack with dual action buttons
- Clip for use on belt
- Lithium battery life normal use 3-5 years
- Lock for preventing false alarm

735r

Door contact

- Internal reed switch
- Use for external alarm devices
- 2 x AAA alkaline batteries (not supplied)
- Tamper detection
- Universal use via hardwired inputs

747r

Signal test meter and test transmitter

- Simple GO-NOGO indicator

868 RADIO TECHNOLOGY

The 9751 & 9752 are 8 zone, hardwired control panels, the 9851 can have up to 16 FSL zones or 8 cc and 8 tamper. All can be expanded using a 9955 RFX wirefree expander and peripherals.

The 868 radio technology refers to the specific radio frequency that the Scantronic Hybrid Range wirefree peripherals operate on, i.e. 868MHz narrowband. This is the dedicated frequency for intruder alarms, and avoids any possible problems of interference from other radio services or radio stations.

Class VI refers to the grading given by the British Standard for Wirefree Alarm Systems and is the minimum level required for signalling systems requiring a police response.

In line with Class VI requirements, the Hybrid radio peripherals benefit from the following attributes:

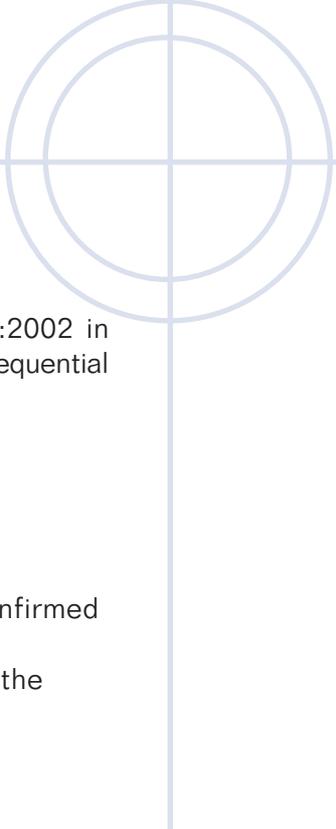
- Over 16 million transmitter address differs using patented IR address learn
- 868.6625 MHz "Narrow Band" (less than 25KHz bandwidth)
- Tamper detection on all relevant detectors
- Transmitter low battery is logged
- Indicates when substantial radio interference is present
- Meets the requirements of BS6799 - DD244 "Class VI" for the UK
- All transmitters (except 725r and 726r) transmit supervision in accordance with country requirements
- Individual signal strength and telecommands can be viewed locally or via the downloader

868 radio technology has now been available in Scantronic products for over 2 years and has proved reliable, flexible and easy to install.

ACPO COMPLIANCE

The Scantronic Hybrid range has been designed with ACPO 2000 and DD243:2002 in mind and incorporates all the necessary programming options and functions to allow sequential alarm reporting as alarm confirmation.

The programming options and functions include:

- The ability to switch alarm confirmation on or off
 - A 1 to 999 minutes confirmation timer set at 30 minutes default
 - Entry method option to allow a portable ACE to disarm the system
 - The internal/external sounder response can be set independently to confirmed or unconfirmed alarm
 - The ability to auto reinstate the system and omit any open zones after the confirmation timer has elapsed.
 - The ability to inhibit the use of the keypad during entry
 - The ability to inhibit alarm confirmation during entry
 - Lockset option
 - System set and unset outputs and alarm confirmed output
 - New confirmation codes embedded into all built in communications
 - Eight fully programmable secondary communication outputs for dual signalling
- 

REMOTE DIAGNOSTICS

Remotely up/downloading information from an intruder alarm panel is no longer an uncommon feature, however the Scantronic Hybrid Range takes this one step further into remote diagnostics.

The major benefit comes in remote servicing and maintenance. The Scantronic Hybrid Range is capable of remote diagnostic analysis, whereby the system can be interrogated to a similar level as that achieved if the engineer were on site. This could potentially save the alarm company one visit per year giving obvious cost and time saving benefits.

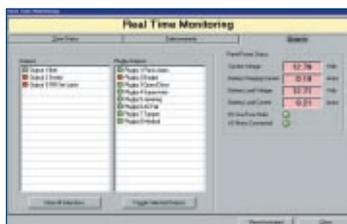
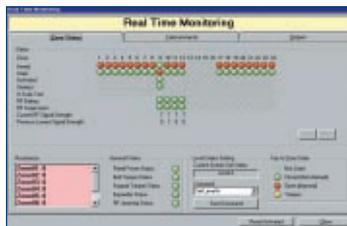
Using this software means the site can be accessed either with or without the customer being present depending on how the control panel is configured. This means you and your customer can decide on the most convenient method for making authorised changes.

Remote diagnostics can be used to identify physical, electrical and electronic faults and allow a remote system profile update to take place. Some of the online servicing features available are:

- Zone status and resistance
- RF signal strength
- PSU DC power and battery status
- Output tests
- Communication test

The remote diagnostics comes in the form of the 958EUR-00 Cooper Security Downloader Software; a new Windows based system which is easy to use. It includes key features such as a virtual keypad that can be used in the same way as a real one, and also allows the engineer to "shadow" the user to check if they are using the keypad correctly.

EASY TO USE SCREENS



The benefits of remote diagnostics are:

- Save time and money
- Proactive not reactive support of systems
- Increased level of customer service
- Utilising the latest technology

SYSTEM DESIGN

System design has become an integral part of the installer's service. Matching the right products to the right application and providing the simplest solution to user requirements is key to system reliability.

The Scantronic Hybrid Range makes good system design more achievable through a variety of features:

- Extra peripherals can be wired from the expanders rather than the control panel.
This proves especially useful if you are dealing with multiple floor levels.
- Wirefree peripherals mean no cabling at all (other than the control panel expanders and sounder), i.e. each peripheral can be positioned anywhere providing a signal strength is detected.
- There are relay outputs on the 9752 & 9851 to allow greater current switching through these outputs & giving you greater choice of peripherals, e.g. the system can cope with high power sounders.
- Part set and partition options enables the system to program separate areas of a building independently from one another, e.g. flats over shops are likely to have different user and setting requirements.
- A variety of communication options are available from simple speech communicators for domestic properties to GSM dual signalling communications for high risk properties.
- These products are ACPO compliant to aid a reduction in false alarms.

The role of implementing good system design is ultimately the responsibility of the installer, but by working with quality control panels such as the Scantronic Hybrid Range from Cooper Security, the installer can feel safe in the knowledge he has the correct tools to achieve it.

TECHNICAL SPECIFICATION

Feature	9751	9752	9851
Zones	8 expandable to 24	8 expandable to 32	8/16 expandable to 40
Expanders	2 x Hardwired or 2 x 868MHz Radio or a combination	3 x Hardwired or 3 x 868MHz Radio or a combination	4 x Hardwired or 4 x 868MHz Radio or a combination
Zone Wiring Options	Closed Circuit + Common Tamper Fully Supervised Loop	Closed Circuit + Common Tamper Fully Supervised Loop	Closed Circuit + Individual Tampers Fully Supervised Loop End of Line
Product Size	Small End Station	Large End Station	Large End Station
Setting Options	Full set and 2 part sets	Full set and 3 part sets	4 Partitions or Full set and 3 part sets
User Codes	16 plus Duress and Installer	16 plus Duress and Installer	16 plus Duress and Installer
4/6 Digit User Codes	4	4/6 Digit	4/6 Digit
Event Log	250	250	250 +
Local Up-Down Load	N	Y	Y
Remote Up-Down Load Communications	Y (300 baud V21) Built-in 8 Ch. FF, CID, SIA I & II or 3 & Ext 3	Y (300 baud V21) Built-in 8 Ch. FF, CID, SIA I & II or 3 & Ext 3	Y (2400 or 300 baud V21) Built-in 8 Ch. FF, CID, SIA I & II or 3 & Ext 3
Plug-By Outputs	8 Programmable	8 Programmable	8 Programmable
Plug-on Outputs	N	N	Standard 8 output plug-on footprint
Panel Output	3 open collector transistors	2 relays and 1 open collector transistor	2 relays and 2 open collector transistor
Printer Facility	N	N	Y
Power Supply	1 Amp	1 Amp	1.3 Amp
Standby Battery	7.0 Ah	7.0 Ah	7.0 Ah or 17Ah
Approvals	ACPO 2000 DD243:2002	ACPO 2000 DD243:2002	ACPO 2000 DD243:2002
Remote Diagnostics	Y	Y	Y

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