PD6662:2004 GRADE 2X SECURITY SYSTEM

The Scantronic 9651EN-00 is a fully programmable, 8 zone security alarm panel designed to conform to PD6662:2004 Grade 2X system requirements.

The 9651EN-00 is ideally suited to both home and small commercial security applications, combining maximum flexibility with ease of use to provide optimum security when and where you need it. Simple A, B, C and D setting buttons let you split the system into four areas, enabling you to set the whole, or just parts of the alarm protection.

Up to 4 attractive remote keypads can be added to any system. The 9930 keypad supplied (as pictured) uses a 4 or 6-digit PIN code to control system operation. To further simplify operation and minimise the chance of operator error you have the option of using a personal-encrypted, key-ring proximity tag. Alternatively, the optional-extra 9940 keypad has this facility built-in as standard.

A 9651 panel can be connected to any speech dialler or plug-by-digital communicator via its integral communications output socket. Its three fully programmable outputs further enhance system flexibility.

A 700 event log, fully date and time stamped to comply with the Association of British Insurers requirements, provides a complete record of system operation and service information.
9651EN-00
SECURITY SYSTEM

TECHNICAL SPECIFICATION

PD6662/2004 Compliance
Grade 2X, Environmental Class II

Zones
8 fully programmable (CC, with global tamper on panel, or 2 Wire FSL)

Zone Attributes
Each zone can be programmed as one of the following types - personal attack, fire, normal alarm,

Final exit, 24 hour, entry route, not used, shock arrester (zones 1-4 only), technical alarm, key-

switch, (Fixed & momentary options). Attributes of chime, soak test, double knock, omit allowed,

keybox, smoke detector, anti-mask, Forbiddable, AC fail, low battery, battery fault, power output

fault, fault

Panel
9651EN-00 Blank end station control panel and 9930 LCD keypad as a kit

Keypads
Accepts up to 4 x 9930 or 9940 remote keypads (or any combination)

Proximity Reader
9930 keypad requires an additional 934EUR-50 Scanprox plug-in reader kit.

9940 keypad includes a proximity reader as standard.

Keypad Display
Full feature, plain text, LCD display, 2 x lines, 16 characters per line

Level Setting
A = Full set, B, C, and D offer part set options

Event Log
700 event log with date and time stamped, viewed or downloaded

Keyswitch
Key-switch zone type, full = A, part = B setting/unsetting, disarm and reset.

Codes
50 x 4 digit user access codes and/or 49 proximity tags, 1 engineer code

Internal Sounded
Accepts up to 2 x 16 ohm internal sounders, exit/entry tones via internal sounder with electronic

volume control

Outputs
3 open collector output programmable as bell, exit/entry fellow, armed lamp, set latch, shock reset,

walk test (LED enable), ready lamp, 24 hour alarm, strobe, smoke reset, strobe when setting, siren

test, pulsed set, pulsed unset, confirm, set complete, unset, complete, system alarm, fire, PA, set

fail, general fault, all fault

Power Supply
Conforms to EN50131-5 Type A power supply, rated power output 580mA

Battery
Stand by battery 12 volt, 7Ah rechargeable lead acid, gel type

Dimensions
Control panel (H x W x D) 240 x 240 x 90mm, 9930 keypad 120 x 170 x 27mm,

9940 keypad 115 x 115 x 25mm

Weight
Control panel = 5.0 kg, 9930 keypad = 200gm, 9940 Keypad = 200gm

Temperature Range
Environmental Class II -10°C to 55°C @75% RH

Secondary Communications
Any wire-in secondary communication device via 8 fully programmable outputs

Scantronic is a leading brand of Cooper Security Ltd, part of Cooper Industries, which employs over
28,000 people at more than 100 manufacturing sites around the world.

Scantronic manufactures security equipment for all types of commercial and domestic premises. The
range is comprehensive, offering every type of solution from multizone hard-wired and wirefree systems, to
digital and voice communicators, detectors and social alarms. Installers trust us to deliver cost effective
products with the highest quality of field and support services, ensuring you receive the best and most
reliable systems to secure you and your premises and give you piece of mind.

www.scantronic.co.uk
Leading the way in security

9853EN-00
SECURITY SYSTEM

PD6662:2004 Grade 3 SECURITY SYSTEM

The Scantronic 9853EN-00 is a fully programmable, 16 zone (2-wire FSL) security panel designed to conform to PD6662:2004 Grade 3 system requirements.

The panel includes an integral dialler modem that can communicate any alarm activation or service information to an Alarm Receiving Centre.

Expandable up to 40 zones using wired or 868MHz narrow-band wire-free expanders, the 9853EN-00 provides flexibility whatever your security requirements. Wire-free expanders eliminate the need for complex wiring further minimising disruption to your décor during installation.

The 9853EN-00 is ideally suited to both home, commercial and industrial security applications. It combines maximum flexibility with ease of use to provide security, when and where you need it. Simple A, B, C and D setting options allow you to split the system into four individually-controllable sub-systems letting you set either the whole or just parts, or any combination.

Up to 4 attractive remote keypads can be added to any system. The 9940 keypad supplied (as pictured) uses a 4 or 6-digit PIN code to control system operation. An integral electronic reader simplifies operation and minimises the chance of error by allowing operators to use a personal-encrypted, key-ring proximity tag instead of a code. The alternative 9930 keypad can also have this fitted as an optional extra.

The panel’s integral 2400/300 baud CCITT V21 full-duplex modem is used for alarm and service communication, secondary outputs can operate other communication devices such as BT RedCare STUs.

To reduce maintenance, the 9853EN-00 has full remote upload/download capability allowing your installer to program and perform diagnostic tests without having to visit your premises.
9853EN-00 SECURITY SYSTEM

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compliance</td>
<td>Grade 3, Environmental Class II, radio expansion is Grade 2, Environmental II</td>
</tr>
<tr>
<td>Zones</td>
<td>16 on-board &amp; 2 Wire FSL fully programmable, expandable to 40</td>
</tr>
<tr>
<td>Zone Attributes</td>
<td>Each zone can be programmed as one of the following types - personal attack, fire, normal alarm, fire, final exit, 24 hour, entry route, not used, shock analyzer (zones 1-4 only), technical alarm, key switch (fixed &amp; momentary options). Attributes of chime, sound test, double knock, omit allowed, keybox, smoke detector, anti-mask, Fortisbriker, AC fail, low battery, battery fault, power output fault, fault</td>
</tr>
<tr>
<td>Panel</td>
<td>9853EN-00 Blank end station control panel and 9840 LCD keypad as a kit</td>
</tr>
<tr>
<td>Keypads</td>
<td>Accepts up to 4 x 9940 or 9930 remote keypads (or any combination)</td>
</tr>
<tr>
<td>Proximity Reader</td>
<td>9940 keypad includes a proximity reader as standard</td>
</tr>
<tr>
<td>Display</td>
<td>9930 keypad requires additional 934EUR-50 Scanprox plug-on reader kit</td>
</tr>
<tr>
<td>Level Setting</td>
<td>Full feature plain text LCD display, 2 x lines 10 characters per line</td>
</tr>
<tr>
<td>Partitions</td>
<td>A, B, C &amp; D buttons offer 4 x fully independent partitions each with individual entry/exit timers</td>
</tr>
<tr>
<td>Event Log</td>
<td>700 event log with date and time stamped, viewed or downloaded</td>
</tr>
<tr>
<td>Expansion</td>
<td>Via a choice of 8-zone wired expanders or 8 or 16-zone radio expanders</td>
</tr>
<tr>
<td>Compliance</td>
<td>P6662004 Grade 3, Environmental Class II</td>
</tr>
<tr>
<td>Keyswitch</td>
<td>Key-switch zone type, full, A = part, B setting/unsetting, disarm and reset.</td>
</tr>
<tr>
<td>Outputs</td>
<td>30 x 4 or 6 digit user access codes and/or 49 proximity tags, 1 engineer code</td>
</tr>
<tr>
<td>Remote Communications</td>
<td>Accepts up to 2 x 16 ohm internal sounders, exit/entry times via internal sounder with electronic volume control</td>
</tr>
<tr>
<td>Modem</td>
<td>Built in RS232 Serial port at 12 volt levels for local connection to a Laptop PC for programming and diagnostics</td>
</tr>
<tr>
<td>Local Programming</td>
<td>Downloader facilities for programming, diagnostics and remote control using Cooper Security Multi-Product downloade software. Windows based, Secure Callback (with dynamic third call), batch number, answerphone defeat option and unattended mode. Manual call out. Designed to conform to the BSSA Remote Service COP. Remote tests include read zone resistances (panel &amp; expanders), zone activity, RFX signal strength, PSV voltages, current, battery charge current, battery load test, remotely trigger output tests, communications test, operate system with a virtual keypad. Conforms to EN50131-6 Type A power supply, rated power output 750mA. Stand by battery 12 volt, 17Ah rechargeable lead acid, gel type</td>
</tr>
<tr>
<td>Power Supply</td>
<td>Control panel (H x W x D 313 x 384 x 95mm), 9940 keypad (H x W x D) 115 x 115 x 25mm</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Control panel = 5.0 kg 9940 Keypad = 205gm</td>
</tr>
<tr>
<td>Weight</td>
<td>Environmental Class II -10 C to 55 C @75%RH</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>Any wire in secondary communication device, such as BT RedCare STU, via 16 fully programmable outputs plug-by and B6 fixed plug-on outputs</td>
</tr>
</tbody>
</table>

Scantronic is a leading brand of Cooper Security Ltd, part of Cooper Industries, which employs over 28,000 people at more than 100 manufacturing sites around the world.

Scantronic manufactures security equipment for all types of commercial and domestic premises. The range is comprehensive, offering every type of solution from multizone hard-wired and wirefree systems, to digital and voice communicators, detectors and smoke alarms. Installers trust us to deliver cost effective products with the highest quality of field and support services, ensuring you receive the best and most reliable systems to secure you and your premises and give you peace of mind.

www.scantronic.co.uk
Menvier Security is a leading brand of Cooper Security Ltd, part of Cooper Industries who employ over 28,000 people at more than 100 manufacturing sites around the world.

Menvier Security has more than 20 years experience as a leading manufacturer of security systems for domestic and commercial premises, all of which exceed stringent industry standards.

Professional security alarm installers recommend Menvier Security because they know it represents excellence in technology, un-failing reliability and tremendous possibilities for expanding the system.

For the most comprehensive approach to security, choose Menvier Security.
Flexibility in control
When your burglar alarm goes off the reality is that in most situations it is ignored. Many people view the alarm siren as a nuisance and do not call the police or bother to investigate. The SD1+ speech dialler offers a solution.

The SD1+ speech dialler is the ideal companion for virtually any alarm control panel as it provides additional protection, rather than relying on the outside bell to attract attention. When the alarm is triggered, the SD1+ speech dialler will ring a combination of four different numbers (including mobile phones) to alert people you know and trust so they can investigate appropriately.

The unit stores up to four pre-recorded messages which can be used to warn of four different situations, e.g. burglary, personal attack, fire etc. These are specific to your alarm system and can be changed as often as desired.

How it works

Flexibility in detail
The SD1+ speech dialler is connected between the alarm control panel and the telephone line. It behaves like another extension to the telephone and does not affect the normal operation or that of any other extensions fitted. However, if the SD1+ is operating, the messages will be heard if any handset is lifted. The SD1+ requires no batteries as its power is derived from the alarm control panel.

The SD1+ speech dialler accepts four inputs which in the example above are: A – fire, B – personal attack (PA), C – burglary and D – auxiliary. These inputs correspond to the messages (A, B, C & D) that the SD1+ sends out and should be recorded as such. If the alarm control panel does not have a fire monitoring capability then the SD1+ can accept a direct connection from a suitable smoke alarm (as shown).

Ease of use
The SD1+ speech dialler is simple to operate with clear ‘on screen’ instructions guiding the user through programming messages and telephone numbers.

Recording a message is easy as the SD1+ has a built-in microphone and speaker so that phrases can be recorded and replayed directly into the unit. On activation, the SD1+ can dial up to four telephone numbers. When the outgoing call is answered the SD1+ plays a common phrase which normally states your name and address and one of four phrases: A, B, C and D relating to the inputs from the control panel (PA, burglary, fire and auxiliary in our example).

On receiving the call from the SD1+ the person answering acknowledges the call by pressing the number 8 on their telephone. They can then carry out appropriate action. If the message is not acknowledged, then it is repeated for one minute after which the dialler aborts the call. It then dials the next number.
The Enforcer range of Passive Infra-Red Receivers work by constantly monitoring the Infra-Red energy levels around a room and recognising a change cause by the entry of an intruder. The detector will then inform the panel which will initiate the alarm condition.

The Enforcer range of PIR detectors provide 2 models to cater for all requirements: Enforcer Super and QX.

The sleek and discreet appearance of the range blends neatly into any interior and is complimented by an impressive array of features:
- Compatible with all conventional alarm systems
- Digital detection
- Superior false alarm immunity
- Creep zone
- Designed and manufactured in the UK
- Choice of lenses to suit a variety of applications (Enforcer Super)
The Pyronix Range of
ENFORCER
Detectors

SPECIFICATIONS

State-of-the-Art Design and Manufacture
State of the art production methods at Pyronix incorporate a process known as SMT. This ensures a consistently high quality of product and protects against problems caused by Radio Frequency. This means that false alarms as a result of radio waves such as those emitted from emergency services radio transmitters are minimised.

False Alarm Immunity
The Enforcer range has a number of features which safeguard against false alarm activation’s:

- Pyronix have developed a system known as IFT for filtering out interference caused by external electrical sources.
- Your installer can adjust the sensitivity of the detector to suit the environment using the Digital Pulse Count feature.
- Sealed Optics ensure against false alarms caused by insects which may interfere with the sensor inside the detector.
- A Robust 3mm thick case protects the components inside the detector.

Fuzzy Logic
Fuzzy logic is a reasoning system which allows an installer to closely simulate the real world. By constantly reacting to the changing variables of the environment the detector is able to maintain its sensitivity without increasing the chance of false alarms.

Digital Detection
Both Passive Infrared Receivers use digital detection offering excellent false alarm immunity, without compromising security.

Enforcer QX
The QX has a Digital Quad Element offering a greater level of immunity and enhancing performance in properties where the environment may be more hostile.

Enforcer Super
The Super is suitable for the majority of properties and offers a choice of lenses dependent upon the application.

Enforcer Lens Range
Pyronix lenses provide full 90 degree coverage meaning that they detect wall to wall in most properties. All Enforcer detectors also feature an in-built creep zone which ensures protection directly under the detector.

View from the top of the room being protected by the Enforcer.

Side view of the Enforcer Super and QX

Your professional installer of Security Equipment is:

Pyronix

email: uk.sales@pyronix.com
export.sales@pyronix.com
marketing@pyronix.com
technical.support@pyronix.com

website: www.pyronix.com

As part of the control and authentication programme, specifications are subject to change.

ENFORCER is a trade mark of Pyronix Ltd.
Adaptable passive infrared and dual technology ceiling mount detectors to give efficient all-round protection in a variety of applications - from a discrete flush mounted installation in a home, to office landings requiring additional protection of stairways, or storage areas where movement of stock may block the view of cornered mounted detectors.
WORLDWIDE SALES LOCATIONS

Head Office
Guardall Limited
Lochend Industrial Estate
Newbridge
Edinburgh EH28 9FL
Tel: 0131 333 2600
Fax: 0131 333 4919
Technical Helpline: 0131 333 3802
Sales Direct Line: 0131 333 4666
SBS Modern Info Line: 0131 333 3926

Italy
Guardall S.R.L.
Via Quasimodo 12
20025 Legnano
Milan
Tel: 039 77877
Fax: 039 5789098

France
Guardall S.A.
Le Village d’Estrees
23 Rue Casimir Périer
95570 Bezons
Paris
Tel: 33.43.34.90
Fax: 33.76.64.34

Singapore
Guardall Asia Pte Ltd
25 Paya Lebar Road
Singapore 367922
Tel: 65 - 622 9818
Fax: 65 - 622 0998

Hong Kong
Guardall Security Product Ltd
The Security Centre
481 - 483 Castle Peak Road
Kowloon
Hong Kong
Tel: 010 852 740 0777
Fax: 010 852 789 0777

Canada
Guardall North America Inc.
5201 Explorer Drive
Mississauga
Ontario L4W 4H1
Canada
Tel: 010 605 829 2800
Fax: 010 605 629 4970

All Guardall products are warranted against defects in workmanship or materials (details available on request).

Suppliers/Installer:

Any photographic representations have been included to reflect the products suitability for an application and not to imply that the subject organisation uses or has used Guardall products.
Guardall Micra

Compact Dual-Technology Sensors

The Guardall Micra represents a most successful integration of Microwave and Passive Infrared technologies offering a high quality alternative to PIR only detectors. Ideal for applications like sunny rooms and conservatories, warehouses or garages lacking insulation, offices, shops and other commercial environments.

Micra S-8 and S-15 – Wall Mount Detector

The Guardall Micra S is an attractive and cost-effective Dual-Technology sensor with outstanding operational reliability to ensure minimal detector related service and maintenance call-outs. Elegant, fashionable design and outstanding flexibility with a choice of coverage ranges of 4, 8, 10 and 15m, ample wiring space and minimal installation effort. Also available as 10m pet variant.

Micra 360 – Ceiling Mount Detector

The adaptable Guardall Micra 360 gives efficient all-round protection in a variety of applications – from a discrete flush mounted installation in a home, to office landings requiring additional protection of stairways, or storage areas where movement of stock may block the view of corner-mounted detectors.
Guardall Micra Series

- Highly efficient precision microstrip oscillator source allows operation at exceptionally low power levels and low cost.
- Incorporates a custom designed ASIC for optimal performance.
- Quality sealed optics to increase immunity against dust and insect penetration.
- White light filter to protect against fluorescent light and vehicle headlamps.
- Constant monitoring of the ambient temperature and automatic compensation of the PIR circuitry to ensure optimum detection at all temperatures.
- Designed and manufactured to ISO 9001 to give consistently high standards of product excellence.

Micra S-8 and S-15

- Extremely easy to install with generous wiring space and simple link selection for set-up.
- Horizontal and vertical coverage adjustment through the optional low profile or ceiling mount brackets.
- Sneak lens provides added coverage in the detector's blind spot.

Micra 360

- 360° detection pattern with floor coverage up to 11m diameter.
- Adjustable by an internal link to provide only 8m coverage.
- Ease of installation with all wiring going through a removable base.

Guardall Limited
Locheadh Industrial Estate
Newbridge, Edinburgh, UK EH28 8PL
Tel: +44 (0) 131 333 2000 Fax: +44 (0) 131 333 4979
Web Site: www.guardall.co.uk

Technical Helpline: +44 (0) 131 333 3802
Sales: +44 (0) 131 333 4666

Produced by www.roboco.uk
Integrating PIR and microwave technology into attractive, easy-to-install units, the DX Series provides stable and reliable detection in the most hostile of environments, where simple PIR detectors struggle to function.

The PIR element incorporates Quad Zone Logic to detect the smallest temperature contrast against the background temperature, enabling it to discriminate between humans and other sources of infrared. Additionally, the microwave detector incorporates Microwave Area Shaping technology to prevent the unwanted detection of movement outside the coverage area. All in all, the DX Series offers unparalleled sensing performance.

**FEATURES**
- Patented Quad Zone Logic
- Microwave Area Shaping (Patent Pending)
- Spherical Lens Design
- Self Checking function
- Anti-PIR Tamper Function (Patent Pending)

**OPTIONS**
- DX-40E – standard model 12m x 12m coverage
- DX-60E – standard model 18m x 18m coverage
- DX-40PLUS-E – enhanced model 12m x 12m coverage
- DX-60PLUS-E – enhanced model 18m x 18m coverage

**ACCESSORIES**
- FA-1W: Multi-angle wall mounting bracket
- FA-3: Wall and ceiling mounting bracket

**COVERAGE**
- DX-40: Coverage 12 x 12m
- DX-60: Coverage 18 x 18m

**DIMENSIONS**
- Width: 70 mm
- Height: 125 mm
- Depth: 44.6 mm

**SPECIFICATIONS**
- 82 zones (PIR)
- 9.0 W
- 38.6V DC
- -10°C to +50°C
- 150g
- Pulse Count: 200 sec
- Alarm Output: 2 or 4 (approx.)
- Tamper: N/C
- Mounting height: 1.5 - 2.4m

Optex (Europe) Ltd.
For further information visit our web site: www.optexeurope.com