

Specification

Product codes	SigNET 100	SigNET 200	SigNET 300
System			
Number of zones (Max.) *1	32	128	512
Outputs (Max.)	30	128	512
Number of keypads (Max.)	4	16	32
Keyfobs (Set/Unset/Panic) (Max.)	32	256	512
Number of Expanders (Max.)	3	32	64
Areas (Multi-Area / Multi-tenant) (Max.)	4	16	32
Number of users (Max.)	32	256	512
Event Log (shared across Areas)	1000	10,000	20,000
EN50131-1 Grade	2*2	3*2	3*2
Police standards	Garda, DD243	Garda, DD243	Garda, DD243
EMC/ Radio Safety Standards	CE	CE	CE

*1 - Wired / wireless or combination, *2 - Supports all lower grades

Controller

Number of on-board wired zones	8 (Supporting No EOL / Single EOL / Dual EOL / Inertia Sensors)		
Wireless Gateway (868MHz)	Yes	Yes	Yes
1 off Relay Output (strobe)	1A (resistive)	1A (resistive)	1A (resistive)
2 off Bell Outputs (Int. & Ext.)	Int. 100mA (resistive) , Ext. 400mA (resistive)		
3 off General Outputs	50mA (resistive) per output	400mA (resistive) per output	400mA (resistive) per output
Power Requirements	240Vac (fully monitored internal power supply)		
Languages	Single-language support	Multi-language support	Multi-language support

Communications

Modems (Pluggable)	PSTN / GSM *3	PSTN / GSM *3	PSTN / GSM *3
Reporting Formats	SIA, Scancom Fast Format, Contact ID, BT Redcare*4 and SMS messaging		
Ethernet	No	No	Yes
Serial Interfaces (RS232)	1	2	2
USB Interface	1	1	1
Upload/Download	Local / Remote	Local / Remote	Local / Remote
Flash firmware upgrade	Local	Local / Remote	Local / Remote

*3 - System supports two modems simultaneously, *4 - BT Redcare only available through the Redcare interface with a Redcare STU fitted.

Configuration

Upload / download software	Yes	Yes	Yes
Web server	No	Yes	Yes
Fast Programmer	Yes	Yes	Yes

Expanders

8 Inputs & 2 Outputs (Max.)	3*5	15*5	63*5
8 Inputs & 2 Outputs (Max.) (Analysed Zones)	3*5	15*5	63*5
8 Outputs (Max.)	3*5	15*5	63*5
Smart PSU 12V (Max.) (3A with 8 Inputs & 8 Outputs)	3*5	15*5	63*5
Wireless Gateway (868MHz)	Yes*5	Yes*5	Yes*5

*5 - Combination of Expanders cannot exceed the maximum for the controller

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SigNET

Intelligence
without Complexity

Advanced Security
for a
connected world

A range of scalable Hybrid control panels that are equally at home in residential environments, scaling to 512 zones for high end commercial applications



SigNET

Controller Range

SigNET is a true hybrid alarm system with 8 on-board wired zones and on-board wireless gateway that communicates with intruder devices using the new European wireless frequency 868MHz, providing greater security from interference and jamming. The SigNET range can be expanded up to 512 zones.

For larger applications the SigNET system components can be mixed and matched to expand both the wired and wireless zones. This offers unmatched flexibility in cost effective design and efficient installation with minimal wiring.

All panels support "true" system partitioning, enabling multi-area and multi-tenant applications. Multi-tenant systems have the capability to report multiple URNs to central stations and enable private (SMS) notification to specific users. For added security, access to the web server is also partitioned with authentication for each tenant.

All the controllers in the range are designed in-conjunction with the new European standard EN50131, allowing installations to fully comply.

User Interfaces

The keypad is an iconic 32-character text keypad that is modern, aesthetically pleasing and functionally advanced.

User Interface options;

- Standard keypad
- Standard keypad with fob system control (PACE)
- Standard keypad with wireless gateway for wireless detectors
- Standard keypad with wireless gateway and PACE

100 Series

Domestic panel; supports 32 zones of wired or wireless devices.

- 32 users
- 4 keypads
- Standard cabinet

200 Series

Commercial panel; supports 128 zones of wired or wireless devices.

- 256 users
- 16 keypads
- Standard or Hinged cabinet

300 Series

Commercial and domestic panel; supports 512 zones of wired or wireless devices.

Supports IP connectivity as standard and has an in-built web server for configuration and user information. Interaction with the system is through the keypads or a web browser.

- 512 users
- 32 keypads
- Standard or Hinged cabinet

Connectivity

Central station connectivity is a major part of a security system. The 300 controller can connect to the central station using any of the communication methods (PSTN, GSM & Ethernet), and all the major communication formats are supported including BT Redcare. If multiple communication paths are required the controller can be programmed to prioritise the communication channels based on a pre-defined strategy.

SigNET supports full connectivity for the engineer / user with secure authentication and rights management, via broadband / local

area network, or via GSM data channel / PSTN networks.

Configuration

With flexible communications, the SigNET can be configured remotely through any of the communication channels using the on-board web server or through the PC application. This remote programming facility minimises expensive on-site engineering costs and can provide a lower cost of ownership to the user. If off-site programming is not appropriate, a PC web browser can be used with a direct connection to the panel. The panel can also be set up using a pre-programmed configuration

by connecting the Fast Programmer to the controller. Engineer friendly menus (based upon mobile phone format) along with system templates makes the SigNET one of the quickest panels to program directly from the keypad.

Communications

All controllers support dual path communications (PSTN, GSM), with tri-path communications on the 300 series with the addition of integral Ethernet.

All the modem modules are pluggable to allow any combination to be used. The controller supports remote connectivity over all communication options, to provide engineering functions including set up, configuration, remote diagnostics and to the user, the ability to remotely manage the premises.

SMS text messaging via GSM / PSTN modules enhances the ability to notify events / alarms to the user.

Home Automation

Users can control individual X10 devices either locally or remotely through the web server. Each X10 device can also be controlled automatically based upon system events.

Single or groups of X10 devices can be directly controlled using the system keypads.

Expansion

All the controllers can be expanded up to their maximum number of zones or outputs using the common system Expanders on the Expansion bus (Ebus). The Expansion bus supports a

maximum distance of 400 metres between each Expander. A complete range of Expanders covers all the security requirements.

Smart Power Expander

Provides a fully monitored local 3A power source for security devices. The Expander also supports 8-wired zones and 8 fully programmable relay outputs.

Input/Output Expander

The Expander supports 8-wired zones and 2 fully programmable relay outputs.

Input/Output Expander Analysed

The Expander supports 8-wired zones where each zone can be individually programmed for the number of activations and 2 fully programmable relay outputs.

Output Expander

The Expander supports 8 fully programmable relay outputs.

Wireless Gateway

The wireless gateway supports 868 MHz devices for range extension.

