Galaxy® Dimension

Integrated intrusion and access control panel range

The Galaxy® Dimension series of security systems is a fully integrated intrusion and access control security solution for mid to large commercial security installations. It offers your customers a user-friendly system in a cost-effective and fully compliant package. An innovative wireless capability offers high quality, reliable security solutions, with the flexibility to meet the needs of every commercial and industrial application.

A new Dimension in wireless security!

Cabling can be impractical due to building aesthetics, or the cost could simply be prohibitive. By removing cabling, significant savings can be made on the total installation cost. The larger the installation, the greater the cost savings. For users, wireless solutions offer a less invasive installation which minimises disruption to their business. Galaxy® Dimension's wireless options can be used as an alternative to a wired solution, offering extra business opportunities and significant cost and time savings.

A secure and reliable solution

Wireless is enabled using patented control panel software and up to eight RF portals in an installation. The powerful combination of our unique bi-directional radio technology, agile routing and Galaxy® reliability ensures that the wireless sensors and the control panel can talk to each other using the strongest available signal path. This, plus the sensors' 2km radio range in open field, makes our wireless solution a far more reliable and secure system, opening up wireless technology for commercial environments.

A full range of wireless sensors offering new capabilities

Our comprehensive range of wireless peripherals is compatible with our core Dimension, G2 and Domonial intruder alarm panels. Galaxy® Dimension's wireless sensors address all of the needs of an intrusion system and more. Key to this offer is our wireless DUAL TEC® sensor, which extends the benefits that dual technology provides in false alarm reduction to cover commercial environments. The wireless range is complemented by a full array of internal, perimeter and environmental protection devices. A two-way wireless key fob allows users to instantly set or unset the system from in or outside the premises and gives system status. This helps reduce user error and related false alarms. For installers, this full portfolio opens up new market opportunities and additional revenues. For users, it means greater reliability and the flexibility to customise the system to meet business needs. For both, it saves the time and cost of installing cables, and minimises false alarms - leading to lower intervention costs.

Integrated system (intrusion + access control)

Galaxy® Dimension offers enhanced access control features within a single, integrated system. For the end user, it's easy to operate. For the installer, it's easy to programme, commission and maintain. For both, a single system means one point of contact for technical support.
Galaxy® Dimension provides a good base for an access control system that can be easily expanded to include an intrusion capability as needs arise.

Smart user interface

Using Galaxy TouchCenter false alarms are reduced as operation and system management are greatly simplified for users. Its large customisable colour touch-screen and intuitive menu gives clear, easy to read operating instructions; its integrated proximity function allows quick and secure setting and unsetting without the need for a PIN; and on screen help files are available at your fingertips. Installation and programming is easy, and installers benefit further from reduced training time and fewer engineer call outs. Enhanced controls allow centralised operation of lights, heating or electronic window blinds - either manually (using the touch screen) or automatically (via timer control).

Audio verification ('Listen-in' Facility)

With the new Galaxy® Dimension, the Alarm Receiving Centre (ARC) can listen in using independant audio channels to identify the specific location where the alarm has been triggered and verify source and cause. This reduces false alarms and increases system reliability.

Programming software compatibility

The Remote Servicing Suite (RSS) is a maintenance tool enabling complete remote control of the panel, allowing installers to give customers instant support. Installers can complete remote routine inspection reducing the need for time consuming and costly site visits. The RSS software uses a common database to communicate with all Galaxy® panels from one programme. A networked version of the Remote Servicing Suite offers access to up-to-date records for all users. This guarantees the secure management of information in one central location. Both wired and wireless components can take advantage of the easy remote diagnostics and maintenance functionality in this software.

The right choice

Galaxy® Dimension enables you to offer your customers a user-friendly, integrated security solution that will meet all of their needs. Honeywell provides sales and marketing support and organises frequent training to boost system understanding and to ensure trouble-free installations every time.

For more information on Galaxy® Dimension and its new wireless solutions, please go to www.honeywell.com/security/uk/
or contact our sales team using the details provided overleaf.

Features:

- Up to 520 zones
- Up to 64 doors controlled
- Protecting up to 32 groups
- Up to 1000 users
- Up to 67 weekly schedules available
- Up to 32 yearly holiday schedules
- Door access controlled by access templates and group set status

- Areas behind a door can be unset automatically via card reader
- Access event log with 1000 events recorded in panel (separate intruder log)
- Groups can be set via access control readers
- Evacuation control will allow doors to unlock in the event of fire
- Up to 32 audio verification channels
- Multi-language interface

- TouchCenter with proximity function is fully compliant to PD6662:2004/2010, DD243:2004 and BS8243:2010
- Compatible with all wiegand readers
- Up to 8 wireless interface modules (RF portals)
- Up to 192 wireless zones
- Up to 100 key fobs
- Full bi-directional agile routing (patented technology)
- Full range of wired and wireless intrusion and environmental detectors

Galaxy® Dimension TouchCenter with optional Proximity Function

- Clear and easy to view touchscreen graphical display
- New proximity function allows quick and secure set and unset without PIN code
- Easy to read alarm event logs
- Familiarity of virtual MK7 keypad for installer programming
- Customisable homescreen background

MK7 LCD keypad/keyprox

2 x 16 alphanumeric character display with integrated ASK prox reader (keyprox only) Allows the system to be set and unset by use of proximity card

Wireless system expander module - RF Portal

- Bi-directional wireless interface with full range of intrusion and environmental detectors
- 868MHz frequency
- Up to 8 wireless interface modules (RF portals)
- Up to 192 wireless zones and up to 100 key fobs
- Full bi-directional agile routing (patented technology)
- Compatible with all Honeywell Alpha protocol sensors

IR8M/IRPI8M PIR	DT8M /DTPI8M DUAL TEC®	FG8M GLASSBREAK DETECTOR
DFO800M SMOKE DETECTOR	TCB8M KEY FOB	TCBPA8M-1 PANIC ALERT KEY FOB
SHK8M/SHKC8M PIEZO SHOCK SENSOR	DET8M - FLOOD & TEMPERATURE SENSOR	DO8000M /DO800M2 & DODT800GY-B DOOR CONTACTS

Power Units

Galaxy® Power Unit 2.75A
- Rated at 1.2A for Grade 3 compliance
- Reports AC, Battery, fuse and tamper via RS485

Galaxy® Power RIO 2.75A
- Rated at 1.2A for Grade 3 compliance
- Reports AC, Battery, fuse and tamper via RS485
- Integrated RIO (8 inputs/4 outputs)

Galaxy® RIO (Remote Input/Output)

Provides zone and output expansion for Galaxy® Systems
- 8 fully programmable zones
- 4 programmable outputs
- Tamper protection
- Rotary switch for setting module address

RS232 Cable

Enables communications between PCs or Printers and Galaxy® systems

DCM

x2

Door Lock

Galaxy® TouchCenter Keypad/Keyprox

Keypad or keyprox

User-friendly HID

Wireless devices

6, outputs

8, outputs

16, inputs

Intelligent power supply

GD-96 / G

GD-48

Line 1

Line 2

RS232 (serial port from boa

Wired zone expander

8

4

Serial port(s)

8

4
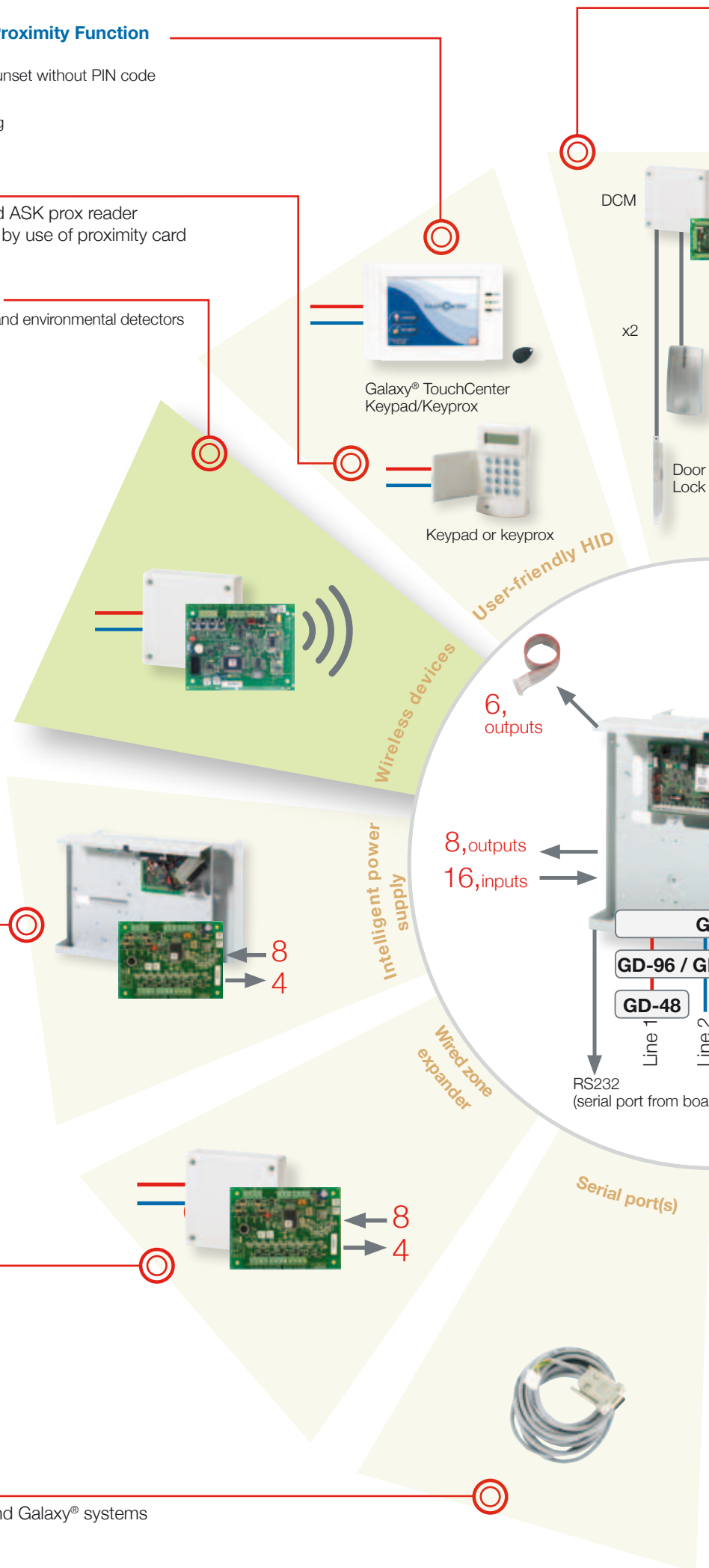
DCM

- Door control module with two wiegand inputs allows management of two doors
- Off line mode available for previous 100 valid users
- Users can be assigned to an Access Template giving an access time zone to each group (64 Access Templates available on GD-520)

Proximity reader - MAX4

- Complete door control in a single unit
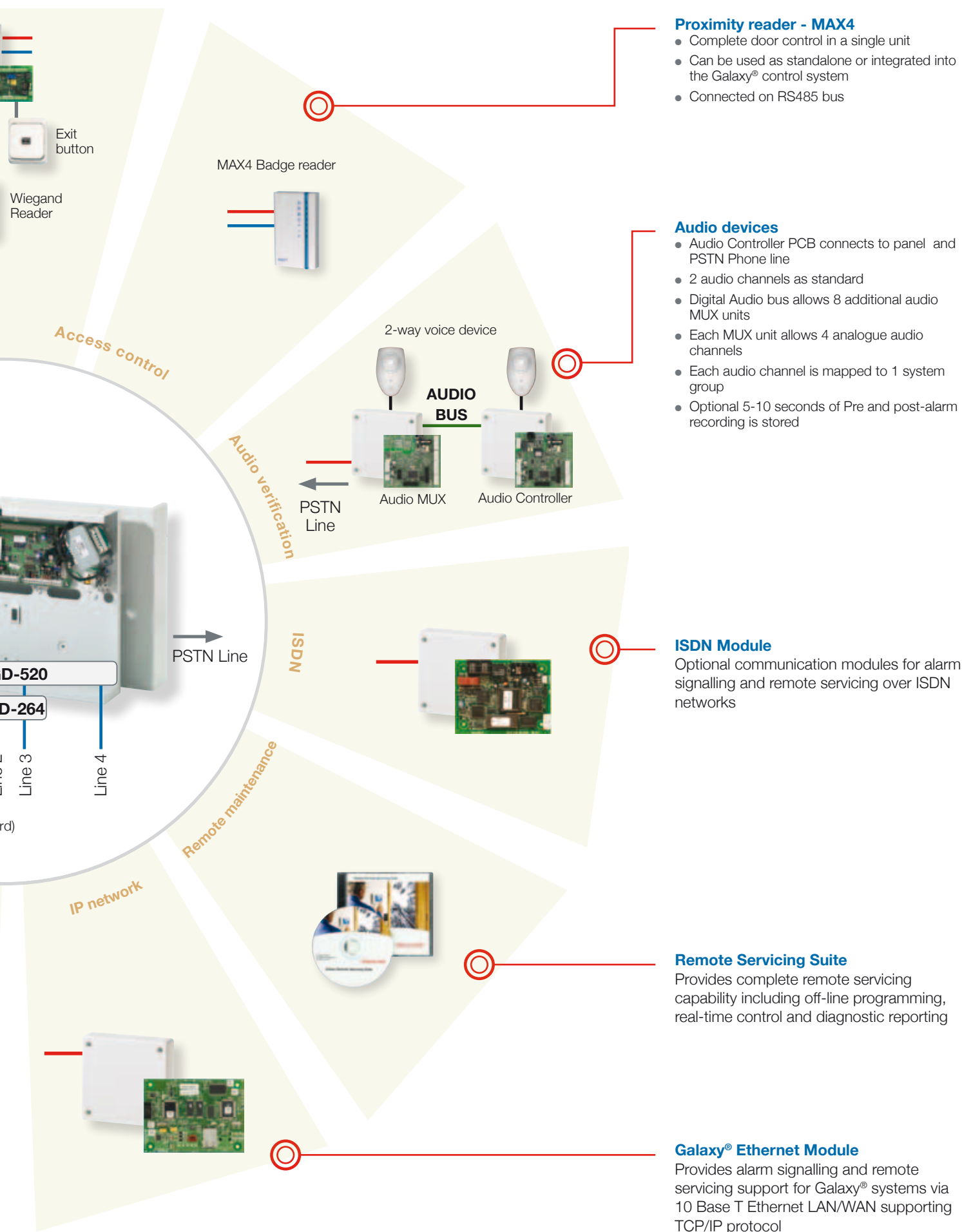- Can be used as standalone or integrated into the Galaxy® control system
- Connected on RS485 bus

Exit button

MAX4 Badge reader

Wiegand Reader

Access control

Audio devices

- Audio Controller PCB connects to panel and PSTN Phone line
- 2 audio channels as standard
- Digital Audio bus allows 8 additional audio MUX units
- Each MUX unit allows 4 analogue audio channels
- Each audio channel is mapped to 1 system group
- Optional 5-10 seconds of Pre and post-alarm recording is stored

2-way voice device

AUDIO BUS

Audio verification

PSTN Line

Audio MUX   Audio Controller

GD-520

GD-264

PSTN Line

Line 3

Line 4

ISDN

ISDN Module

Optional communication modules for alarm signalling and remote servicing over ISDN networks

Remote maintenance

IP network

Remote Servicing Suite

Provides complete remote servicing capability including off-line programming, real-time control and diagnostic reporting

Galaxy® Ethernet Module

Provides alarm signalling and remote servicing support for Galaxy® systems via 10 Base T Ethernet LAN/WAN supporting TCP/IP protocol

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Technical Specifications:

Description	GD-48	GD-96	GD-264	GD-520
Zones onboard (maximum)	16 - (48)	16 - (96)	16 - (264)	16 - (520)
Inclusive wireless zones	32	80	192	192
Outputs (400mA) on-board	8	8	8	8
Trigger outputs on flying lead (10mA)	6	6	6	6
Integrated PSU	2,5 A	2,5 A	2,5 A	2,5 A
Output Current rating	1.2A	1.2A	1.2A	1.2A
RS485 Databuses	1	2	2	4
Keypads (Keyprox)	8 (3)	16 (7)	16 (7)	32 (24)
Galaxy® TouchCenter keypad	1	2	2	4
Galaxy® TouchCenter keypad with Prox	1	2	2	4
Bus mounted prox readers (MAX)	4	16	16	32
DCMs with 2 x Wiegand interfaces	4	16	16	32
DCM controlled doors	8	32	32	64
Wireless Portals	4	8	8	8
Users	100	250	1000	1000
7 Day Timer Schedules	19	35	67	67
Zone types	52	52	52	52
O/P types	81	81	81	81
Library	Yes	Yes	Yes	Yes
Event Log	1000	1500	1500	1500
Access Log	500	1000	1000	1000
Multi-users	Yes	Yes	Yes	Yes
Autoset	Yes	Yes	Yes	Yes
Pre-Check	Yes	Yes	Yes	Yes
Timed Lockout	Yes	Yes	Yes	Yes
Links	64	128	256	256
Part Set	Yes	Yes	Yes	Yes
Silent Part Set	Yes	Yes	Yes	Yes
RS232	Built-in	Built-in	Built-in	Built-in
Integrated PSTN (V 22)	Built-in	Built-in	Built-in	Built-in
Printer Output	Via RS232	Via RS232	Via RS232	Via RS232
Remote Servicing	Yes	Yes	Yes	Yes
Ethernet module	Optional	Optional	Optional	Optional
Groups	8	16	32	32
Audio Verification channels	8	32	32	32
SMS text	Yes	Yes	Yes	Yes
ISDN	Optional	Optional	Optional	Optional
EN50131	Yes	Yes	Yes	Yes

Ordering:

Panels

C048-C-XX*	Galaxy® Dimension GD-48 control panel with PSTN Dialler
C096-C-XX*	Galaxy® Dimension GD-96 control panel with PSTN Dialler
C264-C-XX*	Galaxy® Dimension GD-264 control panel with PSTN Dialler
C520-C-XX*	Galaxy® Dimension GD-520 control panel with PSTN Dialler

(*) : Market variant: xx = E1 for UK, Spain, Italy, Portugal, E2 for Benelux, E5 for France

Peripherals

CP037	LCD keypad MK7 II
CP038	LCD keyprox MK7 II
CP041-00	TouchCenter keypad
CP042-00	TouchCenter Keypad with Prox

A227	Galaxy® SPI-key (Blank)
C087	SPI-key programmer
A229	Ouptuts trigger lead
A234	Galaxy® RS232 cable
C079-2	RF Portal - Wireless receiver
C072	RIO - 8 inputs/4 outputs module
C084	Audio controler module
C085	Audio Mux module
E054	RS232 module
E077	ISDN network module
E080	Ethernet module
C080	DCM - Door controler
C081	DCM - Door controler with PSU

Honeywell reserves the right to alter the specification of products without notice

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