

G2



Flexible, Hybrid Solution now with NEW bi-directional wireless DUAL TEC®

The Honeywell G2 series of intruder alarm system's is the ideal solution to protect small commercial sites with the flexibility and convenience of a wired, wireless or hybrid solution. Using our powerful Galaxy platform including Honeywell's patented bi-directional radio technology, G2 delivers a unique wireless system which offers practicality, cost savings, plus ease of installation and operation. Its new range of wireless sensors, enabled using an updated RF Portal, helps to remove many installation barriers and opens new opportunities for hybrid-wireless solutions.

Taking the wireless route

In commercial environments, particularly small premises, a break-in can be over in a matter of minutes as intruders are able to familiarise themselves with the premises before they attempt to break in. Commercial sites such as retail outlets can also be more prone to false alarms caused by white light interference from lamps and street activity. Faster and more reliable detection is now available for commercial premises using the **new DT8M DUAL TEC® motion sensor**. Using superior K-band dual technology, it verifies the PIR signals with the microwave signal prior to any alarm decision and is less likely to trigger false alarms as K-band microwaves do not penetrate walls and glass as easily. So it provides a faster and more reliable detection, reducing false alarms and associated intervention costs.

Sites with large areas of glass (e.g. shops, offices, conservatories) can also experience false alarms arising from white light interference. The **new FG8M Acoustic glass break sensor** provides the highest detection levels based on the Flexguard® and Flexcore™ technologies. These technologies analyse the spectrum of 2 breaking glass sounds (right before and after the breaking) prior to alarm decision. This also reduces false alarms. Intrusion is not the only risk that small commercial sites face. The consequences of flood damage for business owners and insurance companies alike can be costly, not

to mention the disruption to business operations. Installers and Alarm Receiving Centres can now offer customers a new level of security using the **new DET8M flood and temperature sensor** which is cost-effective and provides them with a valuable new service offering and a lucrative revenue stream.

A high-end service is now possible with the **new SHK8M & SHKC8M shock sensor** that uses VIPER piezo technology for high precision sensing. It provides excellent early warning and protection against an attempted break-in. The updated RF Portal also enables G2 panels to be set/unset with a two-way keyfob. This gives the end-user a live system status in real time. The radio link between the keyfob and the wireless module is encrypted to comply with DD243.

The addition of the new sensors to the wireless range provides the installer with new opportunities and a wider choice of installation solutions. Common sensors across the Galaxy range, including Galaxy Dimension, offer installers the most versatile wireless solution.

Performance and simplicity above all

The G2 series offers great flexibility and a unique system architecture, built on the trusted Galaxy platform allowing remote servicing, which is a major benefit to both the end-user and installer. It also shares a common range of Galaxy peripherals. Flexible installation and operation options are achieved in a multiple system environment. The G2 can be programmed to operate as up to three fully independent sub systems plus a common area. This is ideal in landlord/tenant installations. G2 also allows integrated door control and set/unset from a card reader and optional connectivity to an IP network. Multi-path communication signalling is achieved using both the GSM and PSTN networks. False alarms are reduced by utilising two-way audio between the site and ARC. With its on board modem, the G2 series is suitable for use in installations requiring compliance with PD6662: 2004 and En50131-1: 2006, security grade 2, environmental class II.

Features:

- Full range of wireless sensors including new DUAL TEC® motion sensor
- Door control and set/unset capability using MAX4 proximity card reader
- RF portal for superior bi-directional wireless performance on 868 MHz
- Dual path signalling over PSTN and/or IP networks
- Hybrid system which supports both hardwired and wireless peripherals
- Programmable zone resistor values, to upgrade an existing installation
- Alarm signalling in multiple formats (DTMF, SIA levels 0-3, Contact ID)
- SMS text signalling to up to three mobile telephone numbers
- Advanced system and RF-diagnostics
- Flash upgradeable firmware
- Integrated RS232 communication port
- EN 50131 compliant

Extra features of G2-44+ only:

- Triple path signalling via PSTN, plug-in GSM or over IP network
- 2-way voice support – from supervised premises to central station or user
- Dual bus technology supports both Galaxy (RS485) and Ademco (ECP) peripheral sets

G2 Series

Flexible, Hybrid Solution now with **NEW** bi-directional wireless **DUAL TEC®**

NEW wireless peripherals

| DT8M/DTPI8M DUAL TEC® (with optional Pet Tolerance) | FG8M Glassbreak | SHK8M & SHK8CM piezo shock sensor | DET8M flood and temperature sensor | CO79-2 RF PORTAL (also compatible with Galaxy Dimension) |
|---|---|---|---|---|
|  |  |  |  |  |

Specifications:

| Feature | G2-20 | | G2-44+ | |
|---------------------------|---|--|---|--|
| | 12 to 20 | | 12 to 44 | |
| Zones (wired or wireless) | 12 to 20 | | 12 to 44 | |
| Outputs | 4 to 16 (includes 8 Trigger Lead outputs) | | 4 to 28 (includes 8 Trigger Lead outputs) | |
| Integrated PSU | 1A (0.6A @ g2) | | 1.45A (1A @ g2) | |
| Data bus | 1 x RS485 | | RS485 and ECP | |
| Keypads / Keyprox | 4 | | 4 | |
| MAX | 1 ⁽¹⁾ | | 1 ⁽¹⁾ | |
| Wireless | up to 2 RF Portals | | up to 2 RF Portals | |
| Codes | 24 | | 24 | |
| Groups | 3+1 Common | | 3+1 Common | |
| Zone Types | 21 | | 21 | |
| O/P Types | 27 | | 27 | |
| Event Log | 384 | | 384 | |
| Multi-Users | 4 | | 4 | |
| Timed Lockout | Yes | | Yes | |
| Part Set | Yes | | 4 to 12 (includes 8 Trigger Lead outputs) | |
| Silent Part Set | Yes | | Yes | |
| RS232 | Onboard Serial Port ⁽²⁾ | | Onboard Serial Port ⁽²⁾ | |
| Integrated PSTN (V.22) | Yes | | | |
| Printer Output | Yes | | Yes | |
| Remote Servicing | Yes | | Yes | |
| Ethernet Module | Optional ^{note1} | | Optional ^{note1} | |
| GSM Modem | - | | Optional | |
| 2 Way Voice | - | | Optional | |
| SMS Text | 3 Numbers | | 3 Numbers | |
| PD6662:2004 | Grade 2 | | Grade 2 | |
| Dimensions (W x H x D) | 300 x 255 x 155mm | | 370 x 320 x 85mm | |
| Weight | 3.9 kg | | 4.5 kg | |

NOTES: (1) G2 panel software from version V1.4 onwards. (2) Requires G2 RS232 lead

Accessories:

| | |
|--------|-------------------------------------|
| A228 | G2 RS232 Lead |
| A229 | G2 Trigger Lead |
| A231 | G2 GSM Module Kit (only for G2-44+) |
| CO79-2 | G2 RF Portal |

Agency Listings:

- TS50131-3: 2003, Security Grade 2, Environmental Class II
- CE

Software:

- Galaxy Access Downloader (remote service/programming software)

Find out more:

www.honeywell.com/security/uk
 Fax: +44 (0) 1698 738300
 Email: HSUK64SalesTeam@Honeywell.com

Honeywell Security Group

Newhouse Industrial Estate
 Motherwell
 Lanarkshire
 ML1 5SB
 Scotland
 Tel: +44 (0) 1698 738200

Ampèrestraat 41
 1446 TR Purmerend
 The Netherlands
 Tel: +31 (0) 299-410200
 www.honeywell.com

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Peripherals:

The G2 Series is supported by a comprehensive peripheral set

On the G2 RS485-bus:

- **NEW** range of wireless sensors including DUAL TEC®
- **RF Portal**
 - Bi-directional wireless interface
 - 868MHz frequency
 - Up to 2 wireless interface modules (RF portals)
 - Full range of intrusion and environmental detectors
 - Compatible with all Honeywell Alpha protocol sensors
- **Galaxy MK7 LCD keypad**
 - 2 x 16 alphanumeric character display
- **Galaxy MK7 LCD KeyProx**
 - Equivalent to Galaxy MK7 keypad with integrated ASK proximity reader allows the system to be set and unset by use of proximity card
 - Can be used for DD243 compliant system configuration
- **Galaxy RIO**
 - System expander module – 8 zones/4 outputs
- **Galaxy Power RIO**
 - 2.75A EN50131-1 grade 3 compliant power supply with integrated RIO
- **Ethernet Module**
 - Optional communication module for alarm signalling and remote servicing over IP network
- **MAX04**
 - Door control in a single unit. Can be used as standalone or integrated into the Galaxy control system for setting and unsetting

On the Ademco ECP-bus:

- **6160 keypad**
 - 2 x 16 alphanumeric character display
- **Zone Expander**
 - 8 zone expander and 4 hardwired programmable outputs

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

Honeywell