

G2

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

The Honeywell G2 series of intruder alarm systems 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 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 **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 **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 **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 **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 Dimension and Flex, 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 PD6662:2010 and EN50131-3:2009, Security Grade 2, Environmental Class II.



Features:

- Full range of wireless sensors including 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 5013 -3:2009, PD6662:2010 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

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Wireless peripherals

DT8M/DTPI8M DUAL TEC® (with optional Pet Tolerance)	FG8M Glassbreak	SHK8M & SHK8CM piezo shock sensor	DET8M flood and temperature sensor	C079-2 RF PORTAL (also compatible with Galaxy® Dimension)
				

Specifications:

Feature	G2-20	G2-44+
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 (2 Parts)	Yes (2 parts)
Silent Part Set	Yes	Yes
RS232	Onboard Serial Port ⁽²⁾	Onboard Serial Port ⁽²⁾
Integrated PSTN (V.22)	Yes	Yes
Printer Output	Yes	Yes
Remote Servicing	Yes	Yes
Ethernet Module	Optional ⁽¹⁾	Optional ⁽¹⁾
GSM Modem	–	Optional
2 Way Voice	–	Optional
SMS Text	3 Numbers	3 Numbers
PD6662:2010 ⁽³⁾	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 (3) From panel software V1.52 onwards

Ordering: (English versions)

C020-01-KEPAD	G2-20 Control panel with integrated PSTN communicator and keypad
C020-01-KPROX	G2-20 Control panel with integrated PSTN communicator and keyprox
C044-01-C	G2-44+ Control panel with integrated PSTN communicator
C044-01-KPD	G2-44+ Control panel with integrated PSTN communicator and keypad
C044-01-PROX	G2-44+ Control panel with integrated PSTN communicator and keyprox
C020-01-WKPx	GALAXY G2-20 Keyprox Wireless
G2K3WL-01-C	G2-20 Wireless Kit
G2K3WR-01-C	G2 Wired Kit
G2K3WRP-01-C	G2-12 Prox Pack

Agency Listings:

- EN50131-3:2009, PD6662:2010 Security Grade 2, Environmental Class II
- CE

Software:

- Galaxy® Remote Servicing Suite (remote service/programming software)

Find out more:

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Peripherals:

The G2 Series is supported by a comprehensive peripheral set

On the G2 RS485-bus:

- 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 / MK8 LCD keypad**
 - 2 x 16 alphanumeric character display
- Galaxy® MK7 / MK8 LCD KeyProx**
 - Equivalent to Galaxy® MK7 / MK8 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
- MAX4**
 - 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