KEYFOBS & SENSORS

Wireless Alpha/GY Range

For any commercial or residential installation, often building design or aesthetics mean wiring security devices can be impractical or very expensive. For businesses large or small, interruptions for alarm installation can have serious financial and operational implications.

Honeywell offers a single range of wireless solutions to suit all applications, from residential to large commercial installations allowing wireless security to be fully exploited for commercial environments. The wireless range covers intrusion, life safety and environmental protection and is compatible with the Galaxy® range of panels, using a RF Portal (C079-2 /A073-00-01), Vista panels (with 5882EUHS receiver) and Domonial panels.

Using Honeywell's unique wireless technologies including two-way radio, based on our Alpha radio protocol, and agile routing [1] these wireless solutions deliver new levels of reliability and versatility. The control panel and sensors exchange frequent bi-directional communications, using the strongest signal from up to eight RF portals, and continue to communicate until a response is received [1]. These technologies, combined with a radio range of 2km in open field, mean that our wireless security has never been more secure, reliable or appropriate for commercial environments.

By removing cabling from installations, be it a small retail outlet or a large industrial site, significant savings are possible on installation costs, time, and ongoing maintenance and installers can take advantage of new business opportunities. The larger the installation, the greater the potential cost savings.
False alarms are problematic but can be avoided. These are frequently caused by interference, user error or pets. The DT8M wireless DUAL TEC® motion sensor with pet immune lens, provides faster and more reliable detection using K-band microwaves to quickly verify the PIR signal prior to any alarm decision. Because K-band operates on a higher frequency, it is less likely to penetrate walls and glass, reducing false alarms and associated intervention costs.

In addition, FlexCore™ and Flexguard™ technologies have been applied to Honeywell's new FG8M glassbreak detector, reducing alarms in buildings with large areas of glass by analysing sound frequency, duration and amplitude.

The FG8M glassbreak detector reduces costs as only one device is required per room. In addition, installers do not need specific training to install the device.

Honeywell wireless sensors also bring new revenue streams to installers. Small businesses such as restaurants and shops and residential environments also face risks other than intrusion, such as fire or flood damage, which installers can now provide protection against using the DF8M smoke and DET8M flood and temperature sensors. The DET8M sensor offers both internal and external detection thanks to the remote temperature and flood probes (T280R and FP280). Flood probes can be installed in areas where flood can occur (for example near a washing machine or freezer). The DET8M will trigger an alarm at the early stage of the flood, allowing the monitoring station to take all steps to stop it before severe damages occur and save the end user significant expenses and trouble. The temperature probe allows for temperature detection even inside a refrigerator or a freezer.

Early warning detection using the new SHK8M and SHKC8M VIPER shock sensor can provide installers with a new service offering for their customers. The SHKC8M & SHK8M sensors detect shock waves with the use of Honeywell VIPER piezo Technology, in the piezo sensor. It is more resistant to mechanical aging and oxidation compared to inertia technology, making it more robust and therefore more reliable. Its high precision sensing capability combined with advanced signal processing provides outstanding false alarm immunity, reducing service calls and associated costs.

Other available sensors across the range of control panels include two-way keyfobs and panic buttons, passive infrared sensors (PIRs) with pet tolerant variants and door and window contacts.

Honeywell can now offer one wireless solution to suit large and small commercial sites as well as residential environments.

For more information on this and other products in Honeywell's wireless range, please visit
www.honeywell.com/security/uk.

Features:

- **Leading edge radio transmission technology:** using European 868MHz frequency with adaptive radio jamming detection ensures optimal encryption control, providing a more secure and reliable system

- **Reliability:** Many of the peripherals use standard 3V lithium batteries (CR123) allowing up to 4 years battery life, reducing maintenance costs

- **Reduce costs and installation time:** With no cabling required the wireless peripherals reduce time on site. Maintenance costs are also minimised due to extended battery life, up to 7 years with a low battery signal warning

- **Reliability and practicality [1]:** With patented 'Agile Routing' technology, the system works with RF portals to reinforce the reliability of the security system. The sensor will automatically find the strongest two-way signal path and continue to communicate until it gets an acknowledgment.

- **RF Range:** Over 2 km in free field, the peripherals can be installed on traditional construction sites without restriction.

- **Compatible with commercial and residential Honeywell panels:** Thanks to the dual protocols ALPHA and V2GY, the wireless peripherals are compatible with the Galaxy Dimension, Galaxy Flex, G2, Domonial and Vista panels [2].

[1] Feature available with Galaxy panels

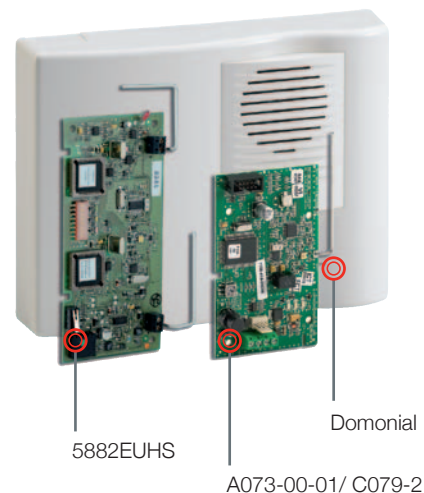[2] See compatibility table on the back

Keyfobs & Sensors

Wireless Alpha/GY Range

Specifications:

5882EUHS

A073-00-01/ C079-2

Domonial

Keyfobs

Feature	TCB800M-1	TCB8M	TCC8M	DOM-FOB	TCBPA8M-1
1 button					
4 buttons	√	√	√	√	√
Programmable key combinaison	√	√	√		
Provide two stickers (blue and silver)			√		
Two-way	√	√	√		√
Panic function	√			√	
Status on request	√	√	√		
Rolling code	√	√	√		
Optional Clip belt			TCC-BASE		
Alarm memory warning	√	√	√		
Total, Part and annex arming	√	√	√	√	
Home Automation control	√	√	√	√	
Dimensions (HxWxD) mm	37 x 75 x 16		56 x 48 x 9	38 x 88 x 19	37 x 75 x 16
Approvals		DD243:2004, BS8243:2010	DD243:2004 BS8243:2010		DD243:2004 BS8243:2010
Compatibility					
Galaxy(1)	√	√	√	√	√
Domonial	√	√	√	√	√
Vista(2)	√	√	√	√	√

Sensors

Feature	PIR IR800M	PIR IRPI800M	DUAL TEC® DT8M	Door contact DO800M(2)	Door contact DODT800GY-B	Shock sensors SHK8M	Shock sensors SHKC8M	Glassbreak FG8M	Smoke DFO800M	Smoke DF8M	Flood+Temp DET8M
Detection Range	10 x 12m		15 x 18m			2.5m		7.6, 4.6, 3, 1.5m	100m²		< 2°C to 14°C > 20°C to 32°C
Built-in siren										85dB @ 3m	
Pet immunity (kg)		18 - 36	with optional lens (supplied)								
Temperature compensation	√		√								
Look-down	√		√								
K Band technology			√								
Wired Input			For SMB10T tamper		Alarm + tamper		Alarm				Alarm, flood or ext temp probe
Built-in door contact				√	√		√				
Optional bracket	SMB10T		SMB10T								
Battery life (years)	4 - 5		4	4	4 - 5	4 - 5		6 - 7	4 - 5	4 - 5	6 - 7
Tamper	Front + Back		Front + Back	Front + Back	Front + Back	Front + Back		Front + Back	Front	Front	Front + Back
Battery	LI03V x1		1.5 V Lithium AA x 4	LI03V x1		LI03V x1		LI03V x2	LI03V x1	LI03V x1	LI03V x1
White colour	√		√	DO800M		√	SHKC8M	√	√	√	
Brown colour				DO800M2			SHKC8M2				
Dimensions (HxWxD) mm	112 x 60 x 40		125 x 75 x 52	102 x 22 x 23	120 x 35 x 26	89 x 40.6 x 30		115 x 72 x 27	102 x 45	135 x 58	89 x 40.6 x 30
Approvals	PD6662, EN50131-1 and TS50131-2-2 Security Grade 2, Environmental Class II,NF&A2P type 2, NCP Class 2		PD6662, EN 50131-1 and EN 50131-2-4, Security Grade 2, NF&A2P type 2, Environmental Class II(2), NCP Class 2	PD6662, EN50131-1 Security Grade 2, Environmental Class II, NF&A2P type 2 (DO800M-A)		EN50131-2-6, Security Grade 2, EN50131-1, Environmental Class II		PD6662, EN50131-1, EN50131-5-3 Grade, 2 Environmental Class II	-	EN14604	
Compatibility											
Galaxy(1)	√	√	√	√	√	√	√	√	√	√	√
Domonial	√	√	√	√	√	√	√	√	√	√	√
Vista(2)	√	√	√	√	√	√	√	√	√	√	√

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Honeywell reserves the right to alter product specifications without prior notice
(1)G2 (panel software from version V1.4 onwards), Dimension with C079-2 RF portal and Flex with A073-00-01 RF board
(2) with 5882EUHS receiver

Honeywell