PD6662:2010

Honeywell

A guide from Honeywell Security Group

Contents

1. Introduction

With the dual-running period of the old and new PD6662 schemes now at an end, it is important to ensure that your company is aware of the changes and the impact that the new scheme will have on your business.

This booklet is intended to give an overview of these changes and give guidance on how Honeywell security products can be installed to satisfy these new standards.

2. What is PD6662:2010?

PD6662:2010 is an update to the PD6662:2004 standard. This current update will:

- **Call up the latest versions of the EN50131-x series standards. Key changes include:**
  - EN50131-1:2006 – General Requirements
  - EN50131-3:2009 – Control and Indicating Equipment
  - EN50131-6:2006 – Power Supplies
  - EN50131-7:2008 – Installer Guidelines
  - EN50131-8:2009 – Fog Device Systems
- **Update the standards for confirmed alarms**
  - BS8243: replaces DD243
    - Incorporated EN standards where applicable
    - Address areas where DD243 did not fully meet the industry needs
- **Tidy up inconsistencies in PD6662:2004**
  - Terminology, etc

3. When do these changes apply?

From 1st June 2012 onwards all new installs and installs which require URN renewal must be fitted to PD6662:2010 if police response is required.

4. Key Changes

4.1 EN50131-x

There are a number of changes required to ensure adherence to the latest EN50131-x standards. These are:

- Product labels must visibly state the applicable version* of the required standard eg. EN50131-3:2009. All technical literature pertaining to the security system must contain specific minimum information regarding power, environmental class and product type. It is the installer's responsibility to ensure systems are marked to the correct standard.
- All Grade 3 devices must have an off-wall tamper (removal from mounting detection) switch, including keypads and expanders.
- Every battery must have individual monitoring – including two batteries in parallel
- All Grade 3 PIR/DUAL TEC® sensors must have the capability to have the LED enabled remotely.

4.2 PD6662:2010

These requirements are for UK installations only and are over and above those required by EN50131-x.

- All systems must define the minimum grade for police response
- It is now permissible to use a plug for all power supplies if removal protection is in place
- BS8243:2010 replaces DD243 for alarm confirmation changes (please see below)
- An explanation of the selected combinations should be provided to the user/client to ensure the most appropriate confirmed technology is used. Unless agreed with the client in writing, sequential confirmation should be used only in conjunction with telephone confirmation.

4.3 BS8243:2010

- The entry timer expiry and one detector off the entry route is now sufficient to activate a confirmed alarm. Previously, DD243 required two detectors off the entry route and did not recognise entry time expiry as contributing to a confirmed alarm. This will make installation easier in one-room premises (e.g. a small shop, open plan premises) as it does not require setting/unsetting outside of the premises.

**If insufficient space is available for codes the component shall include a means of identification which allows cross reference to documentation providing the required info.*

- Driven by The Association of Chief Police Officers (ACPO) due to the increase in false alarms, a new requirement has been introduced which requires Hold-up alarms to be confirmed for police response. Confirmation can be done in a number of ways:
  - Video confirmation: alarm supplemented with video images
  - Audio confirmation: alarm supplemented by audio data
  - Sequential confirmation: two or more alarm activations within a single period
  - Alarm Receiving Centre (ARC) Call Back to site

Any of the above methods can be used for full compliance to PD6662:2010.

5. Honeywell Product Compliance Status

Product	PD6662: 2010 Status
Galaxy® Flex	Compliant
Galaxy® Dimension	Compliant
G2	Compliant
MK8 Keypad/prox	Compliant
TouchCenter/prox	Compliant
MK7 Keypads/prox	Compliant
RIOs	Compliant
Power RIOs	Compliant
Wired Grade 2 motion sensors	Compliant
Wired Grade 3 motion sensors	Compliant
Wired seismic sensors	Compliant
Wired shock sensors	Compliant
Wireless motion sensors	Compliant
Wireless magnetic contacts	Compliant
Wired and wireless glassbreak detectors	Not Applicable
Wired and wireless smoke sensors	Not Applicable
Wired sirens check catalogue reference	September 2012
Wireless sirens	Compliant

Honeywell Product Changes

- Peripherals (Keypads, RIOs etc...): labelling changes only – product is functionally identical and fully interchangeable
- G2 control panels: Firmware update (V1.52) and above plus labelling changes, which are identified by software revision label on carton.
- Galaxy Flex control panels: no changes - compliant since September 2011
- Galaxy Dimension control panels: A hardware configuration change – an off-wall tamper (removal from mounting detection) is required for every panel. A part number change has been introduced which includes this tamper switch. Also, a new dual-battery monitor module (A079) is available as an option, as well as a firmware update (V6.78) and above plus labelling changes to show the new part numbers and product labels must visibly state the applicable version of the required standard.

Old Part Number	New Part Number	Product Description
C048-C-E1	C048-**D**-E1	Galaxy Dimension GD-48 control panel with PSTN Dialler
C096-C-E1	C096-**D**-E1	Galaxy Dimension GD-96 control panel with PSTN Dialler
C264-C-E1	C264-**D**-E1	Galaxy Dimension GD-264 control panel with PSTN Dialler
C520-C-E1	C520-**D**-E1	Galaxy Dimension GD-520 control panel with PSTN Dialler

6. Hold Up Sequential Confirmation—The Facts

The concept of sequentially confirmed Hold-up alarms is new to the intruder industry. Below is a summary of the required operation detailed in BS8243: 2010:

- A Hold-up alarm is considered to be a confirmed alarm if any of the below sequence of events occurs within 8-20 hrs:
  - Two separate PA zones, each with standard twin-push activation
  - One PA zone with a multi-action switch activating two separate PA alarms
  - One PA + one PA zone tamper
- Signalling:
  - New SIA/Contact ID events have been defined for confirmed Hold-up (SIA “HV” event, Contact ID code “129”). If using these formats your Alarm Receiving Centre (ARC) must be equipped to receive these events.
    - ARC receives current Hold-up/PA event followed by new confirmed Hold-up/PA event

- Fast Format/RedCare/DualComm etc – there is an extension of use of the current Confirm channel
  - Panel activates via PA output, on first PA event followed by confirmed alarm output, channel on sequential activation.

- Portable Hold-up devices
  - Wireless PA
    - Must meet the requirements of BS8243: 2010
    - Dual button, dedicated device, or two separate devices activated
    - Allowed in a Grade 3 system without reducing the overall grade of the system, providing that the wireless PA is on its own sub-section

BS8243:2010

Galaxy Compliance to BS8243: 2010 Hold-up alarm verification

- Honeywell Galaxy® systems are compatible with call-back confirmation
- Separate video and audio systems can be used to offer video and audio confirmation
- A lower-cost Image Sequence Video Confirmation system is being developed by Honeywell – and is expected to be available in 2013
- Sequential confirmation has been added to G2 and Galaxy Dimension systems

For more information visit our dedicated web page:
www.honeywell.com/security/uk/PD6662 Or **email: securityuk@honeywell.com**

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