



# **PD6662:2010 and BS8243:2010 How does it affect you?**

A change in Intruder and  
Hold Up Alarm standards

From the 1st June 2012, all new Intruder and Hold Up Alarms will be designed and installed to the EN50131:2006 standard in accordance with PD6662:2010 and BS8243 for police calling systems.



All Intruder and Hold Up Alarm\* systems installed within the European Union must meet fundamental

standards in order to be accepted by insurance companies and to be allowed to summon a police response. The European standard applicable to Intruder and Hold Up Alarms is the EN50131 series.

Each country in Europe often has its own individual requirements which alarm systems must also comply with. In the UK these additional standards are represented by the PD6662 and BS8243 standards.

#### **PD6662:2010**

PD6662 is the scheme which enables Intruder and Hold Up Alarm systems to be installed and maintained in accordance with published British and European Standards. PD6662 introduces some UK specific changes to the EN50131 series.

A new version of this standard was formulated in 2010 and the UK security industry agreed to make it mandatory in June 2012. The changes in standard affect the initial risk assessment and system design; the arming and disarming methods and tamperers in intruder and hold up alarms. These changes will now be adopted by Chubb Fire & Security in the design and specification of all new alarm systems and alarm upgrades.



#### **BS8243:2010**

The BS8243:2010 standard refers to the system requirements and the process relating to when the Police are called to respond to an Intruder or Hold Up Alarm.

As of 1st April 2012 ACPO (Association of Chief Police Officers) requires applications for Hold Up Alarms to have a separate URN (Unique Reference Number) in addition to the usual Intruder Alarm URN. A URN is how the police identify that the system is compliant and therefore suitable to obtain a police response.

Depending on the specific Police force requirements, Hold Up alarms are required to be confirmed before the Police will respond; this can be via sequential, audio or visual confirmation and telephone confirmation (also known as Intervention or call back). A sequential confirmation can be achieved by either the activation of two separate dual action devices or a single device with multiple buttons.

## What changes do these standards incorporate?

PD6662:2010/BS8243:2010 standards will have implications in the following key areas:

- **Risk Assessment & Design**

- **Arming and disarming methods**

- Arming must be in two stages:  
Stage one initiated inside the premises;  
Stage two completed outside the premises.
- Timed exit is prohibited.
- Once the entry timer has expired, a confirmed alarm will be generated by the first activated detector off the entry route (previously two detectors were required to activate).

- **Tamperers**

- The removal of a wall mounted device will result in a tamper signal being transmitted to the Monitoring & Alarm Receiving Centre (MARC).
- Dedicated tamper message must be sent to the MARC on Grade 3 systems.

- **Hold Up Alarms, PA devices and Duress**

- Alarm Companies need to demonstrate they have carried out a risk assessment when recommending Hold Up Alarms, these will require a separate URN.
- Confirmation of Hold Up Alarms and Intervention by an MARC is required if the URN is at risk or has been lost.
- Systems can now be designed to Grade 3 standard even if they contain Grade 2 Radio Panic alarm devices.

- Duress codes can now be used on Grade 3 systems, but must be applied for on the URN application on an individual site basis.

- **Monitoring & Police Response**

- The MARC must apply a minimum of 120 seconds filtering to confirmed alarms to allow time for cancellation.

- **Commissioning & Maintenance**

- PD6662:2010 incorporates the commissioning & maintenance processes of DD263 which includes remote maintenance where applicable.
- Detection walk test LED's must only be illuminated during walk test for Grade 3 systems. This is important as it prevents a prospective intruder from determining the area of detection.

- **Control Equipment**

- Grade 3 PD6662:2010 control equipment incorporates technological advancements and is physically different to PD6662:2004 hardware.



Security Grading				
System Grade	1	2	3	4
Level of risk	Low	Medium	Medium/High	High
<b>Criminal profile</b>	Opportunist thieves	Contents likely to be targeted by regular criminals with some preparation	Contents perceived high value, targeted by professional criminals who invest time in planning	Organised crime group/terrorists with resources and time to plan in detail
<b>Knowledge of Alarm systems</b>	Little	Limited	Conversant	Highly conversant
<b>Tools &amp; equipment</b>	Basic hand tools	General range of tools, test meter, battery drill	Comprehensive range of tools and equipment, laptop etc.	Comprehensive range of tools/ equipment and ability to substitute system components and penetration of key system components
<b>System types</b>	DIY, 'Bell only' systems	Minimum requirement for police calling system. Includes option X where signalling is not required	In addition to grade 2, includes anti mask detection. Dual signalling recommended etc.	In addition to grade 3, ability to recognise substitution of components and penetration of key system components e.g. controls, sounder
<b>Typical installations</b>	Domestic	Corner Shop Small Office High end Domestic	Bank, Bonded Warehouse, Mobile Phone Shop, Jewellers, Fashion Outlet, high risk offices etc.	Bullion/Cash Centre, Sensitive Research Establishment, Weapons arsenal etc.
<b>Likely Insurance View</b>	Not recognised and not Chubb Core business	Required for some domestics and lower risk commercial premises	Required for many commercial premises	Required when security takes precedence (not all system components are available at the moment)

### Why do these standards affect me?

These standards have been written and designed to satisfy APCO (Association of Chief Police Officers) and insurers that Intruder and Hold Up Alarms have been designed and installed by a certified company.

Any new Intruder and Hold Up system should be installed to comply with PD6662:2010 and BS8243:2010 (if the system is Police calling). Systems which now lose Police Response will only be reinstated if they comply with the new changes. In some cases this will mean a control panel upgrade.

### Should I upgrade my existing system to comply with PD6662?

If your system currently complies with legacy British or European standards and operates effectively then there is no need to make any changes. If you need to make a major upgrade to your old system then the upgraded system will need to comply with PD6662:2010. This may be a requirement of your insurer.

### What happens if I lose Police Response?

Any system requiring a new URN will need to be upgraded to comply with PD6662:2010.

Following withdrawal (prior to deletion) of Police response the following courses of action will be required to gain reinstatement:

- Confirmed DD243 (2002/2004) or BS8243:2010 systems
  - Alarm companies must be able to identify the cause of the false alarm and have taken remedial action or have an additional form of confirmation added.
  - or
  - A three month period free of false alarm calls must be able to be demonstrated to reapply for the URN.
- All systems installed prior to DD243:2002 are designated "Unconfirmed" and will need to be upgraded to a confirmed BS8243:2010 system. Reinstatement of Police response may be achieved, without a 3 month delay, following compliance with the above.



## Why Choose Chubb

- A company you can trust. Nearly two hundred years of history and innovation have made Chubb into a global leader in fire and security protection. The name Chubb is synonymous with fire protection and security solutions.
- A company with resources. Chubb is part of UTC Fire & Security, [www.utcfireandsecurity.com](http://www.utcfireandsecurity.com), which employs over 45,000 people around the world. Chubb in the UK supplies systems and services to most of the FTSE 100 companies.
- National service with local back-up. Chubb can design, install, maintain and monitor systems using the latest technologies. With a nationwide team of local engineers and 24/7 monitoring and response, Chubb can look after your needs whether you have single or multiple locations, saving you time.
- Working to suit your individual needs. Chubb can work with businesses large and small to help them comply with the latest fire, security, health and safety regulations.
- Flexible approach to financing. A range of purchase and rental options allows Chubb customers to choose a payment method suitable for their business.
- Maintaining and raising standards to ensure customers comply. Chubb is accredited to all of the relevant industry bodies:
  - Security by NSI (National Security Inspectorate)
  - BSIA (British Security Industry Association)
  - FIA (Fire Industry Association)
  - BAFE (British Approvals for Fire Equipment)
  - In addition all of our products comply with the highest relevant British and/or European Standards
  - Our products are designed to minimise false alarms and generate the most effective response in accordance with the current Police or Fire Service response policy.
- Government approved. Chubb is the approved supplier for the NHS and for Central and Local Government offices, schools and universities.

## Chubb Fire & Security

Helping to keep you and your customers safe

### Fire

#### Prevent

Fire Risk Assessment  
Fire Training  
Service and Maintenance

#### Detect

Fire Detection Systems  
24/7 Fire Alarm Monitoring

#### Contain

Fire Extinguishers  
Hose Reels  
Fire Extinguishing Systems  
Sprinklers

#### Escape

Emergency Lighting  
Training  
Voice Alarms  
Fire Safety Signs

### Security

#### Security Management

Site Audits  
Systems Design

#### Security Installations

Intruder Alarms  
CCTV Systems  
Access Control Systems  
Integrated Systems

#### Monitoring & Response

Intruder Monitoring  
CCTV Monitoring  
Remote Video Response  
Keyholding Services  
Mobile Patrols  
Lone Worker Protection

#### Service & Maintain

Standard Contracts  
Comprehensive Contracts

# Call: 0800 32 1666

This briefing is intended as general guidance and is not a substitute for detailed advice in specific circumstances. Although great care has been taken in the compilation and preparation of this edition to ensure accuracy, Chubb cannot in any circumstances accept responsibility for errors, omissions or advice given or for any losses arising from reliance upon information contained in this publication.