

SPECIFICATION FOR THE INSTALLATION OF A CHUBB MONITORED INTRUDER ALARM SYSTEM

Site

Ms. Sylvia Hughes
THE BRITISH MUSEUM
39 Russell Square
LONDON
WC1B 5ER

Customer

BRITISH MUSEUM
FINANCE SERVICES
GREAT RUSSELL STREET
LONDON
WC1B 3DG

Quote Summary

For the attention of	Sylvia Hughes	Date:	12/02/2016
Telephone:	020 7323 8000	Chubb Contact:	Simpson Ian
Security Audit Reference:	Electronic	Quote Reference:	523348

Site Details

Building Status:	Existing	Construction Material:	Brick
Number of floors:	4	Use of Premises:	Office Building

Specification Summary

To supply and install an EN Grade 3 Intruder alarm system with Redcare Secure 3 monitoring for police response.

Your security system has been designed to protect the premises against key security risks as identified during the site/location survey (Chubb Security Audit). The key concerns were identified as follows:

The system has been designed using information gathered during your Security Audit (Ref Electronic). The design of the system is therefore determined by the information available at that time, including any valuations, supplied by you or your representative.

This specification has been drawn up so that the system will conform to PD6662, Grade 3 as defined in EN50131-1 the European Standard for Intruder and Hold Up Alarms Systems, supplemented by BS8243.

System Design Information

All quoted positions are referenced from an external position facing the main entrance point.

All intruder and hold up equipment will be environmental class II unless otherwise stated. Please note signalling devices will be enclosed within a PD6662 compliant housing to achieve environmental class II.

I would like to draw your attention to specific information that is relevant to this installation. Details of these can be found at the back of this specification

Notification Details

Remote notification and Local warning is provided using the following means....

- Redcare Secure 3 monitored by Chubb Monitoring and Alarm Receiving Centre
- external audible alarm sounder incorporating a strobe light. The sound duration is limited to 15 minutes to comply with current intruder alarm installation standards.
- internal audible alarm sounder (Not applicable to hold up alarm systems)

BS8243 Intruder alarm Disarm options

6.4.5 - System is disarmed using a digital key (for example a proximity fob, smart key or infra-red/radio fob)

Entry/Exit Timers

The entry time for your system will be set to .

The maximum entry time allowed by the EN50131 installation standards is 45 seconds.

Equipment and Location

Basement

Item No 1 - New

Confirmed - Yes,Point No ()

A flush mounted concealed door contact.
Located: Left Basement Door.

Item No 2 - New

Confirmed - Yes,Point No ()

A flush mounted concealed door contact.
Located: Right Basement Door.

Item No 3 - New

Confirmed - Yes,Point No ()

Point Attribute - Night Alarm

DT15+ 15m Antimask Dual Technology Movement Detector.
Located: Lobby Area Rear Left Corner; Mounted at: 2.3; Directed towards: The general area.

Ground Floor

Item No 4 - New

Point No ()

A flush mounted final setting switch.
Located: Adjacent To The Main Entrance Door; Mounted at: 0.9 - 1.0.

Item No 5 - New

Confirmed - Yes,Point No ()

Contact flush 20mm Guardall -Grade 3 Double Door.
Located: Front Entrance Door.

Item No 6 - New

Confirmed - Yes,Point No ()

Point Attribute - Night Alarm

DT15+ 15m Antimask Dual Technology Movement Detector.
Located: Front Left Office - Front Right Corner; Mounted at: 2.3; Directed towards: The general area.

Item No 7 - New

Confirmed - Yes,Point No ()

Point Attribute - Night Alarm

DT15+ 15m Antimask Dual Technology Movement Detector.
Located: Front Right Office - Front Left Corner; Mounted at: 2.3; Directed towards: The general area.

Item No 8 - New

Confirmed - Yes,Point No ()

Point Attribute - Night Alarm

DT15+ 15m Antimask Dual Technology Movement Detector.
Located: Rear Left Office - Rear Right Corner; Mounted at: 2.3; Directed towards: The general area.

Item No 9 - New

Confirmed - Yes,Point No ()

Point Attribute - Night Alarm

DT15+ 15m Antimask Dual Technology Movement Detector.
Located: Rear Right Office - Rear Left Corner; Mounted at: 2.3; Directed towards: The general area.

Item No 10 - New

Confirmed - Yes,Point No ()

Point Attribute - Night Alarm

DT15+ 15m Antimask Dual Technology Movement Detector.
Located: Staircase Rear Left Corner; Mounted at: 2.3; Directed towards: The general area.

Item No 11 - New

Confirmed - Yes,Point No ()

A flush mounted concealed door contact.
Located: Rear Entrance Door.

1st Floor

Item No 12 - New

Confirmed - Yes,Point No ()

Point Attribute - Night Alarm

DT15+ 15m Antimask Dual Technology Movement Detector.

Located: Landing Front Left Corner; Mounted at: 2.3; Directed towards: The general area.

2nd Floor

Item No 13 - New

Confirmed - Yes,Point No ()

Point Attribute - Night Alarm

DT15+ 15m Antimask Dual Technology Movement Detector.

Located: Landing Front Right Corner; Mounted at: 2.3; Directed towards: The general area.

3rd Floor

Item No 14 - New

Confirmed - Yes,Point No ()

Point Attribute - Night Alarm

DT15+ 15m Antimask Dual Technology Movement Detector.

Located: Landing Rear Right Corner; Mounted at: 2.3; Directed towards: The general area.

Item No 15 - New

Confirmed - Yes,Point No ()

Contact Surface Small GuardallGrade 3 Double Door.

Located: Roof Terrace Doors.

Controls

Item No 16 - New

Point No ()

PX48I + LCD PROX (CHUBB) V5.

Item No 17 - New

Point No ()

An eight point concentrator used to expand the size of a system.

Located: As Required; Mounted at: 2.3.

Item No 18 - New

Point No ()

RedCare Secure 3 GPRS/PSTN dual path alarm signalling transceiver.

Located: Adjacent to the alarm panel.

Item No 19 - New

Point No ()

A Chubb internal sounder.
Located: Adjacent to the main Entrance Door.

Item No 20 - New

Point No ()

A Chubb Mk6 dummy delta sounder.
Located: Front Elevation.

Item No 21 - New

Point No ()

A Chubb Mk6 dummy delta sounder.
Located: Rear Elevation.

Monitoring Information

SIGNALLING TYPE : Redcare Secure 3

SIGNALLING CHANNELS

Channel Number	Signalling Type	Response	Description
3	Intruder Unconfirmed	Premises and Keyholder	
4	Open/Close	LOG only	
5	AC Mains Fail	Premises and Keyholder	
6	Bypass / Omit	Keyholder Only	
7	Intruder Confirmed	Open: Premises and/or Keyholder, Closed: Police and Keyholder	
8	Tamper	Premises and Keyholder	
9	General Fault	Premises and Keyholder	

EQUIPMENT INFORMATION

DETECTION DEVICES



DT15+ 15m Antimask Dual Technology Movement Detector

The Chubb DT15+ anti mask volumetric Dual Technology detector has a nominal range of 15m

and provides a 90 degree angle of protection. It incorporates anti stealth technology with enhanced detection processing for increased sensitivity whilst reducing false alarms

CONTROL EQUIPMENT

PX48I + LCD PROX (CHUBB) V5

PX48I + LCD PROX (CHUBB) V5

POINT EXPANDER



An eight point concentrator used to expand the size of a system

A PX/QX concentrator 8 input expansion device used to increase the capacity of your system.

SOUNDER



A Chubb internal sounder

This siren is ideal for use as an internal alarm sounder for residential and industrial alarm applications

- Low current consumption
- Pry-off & opening tamper protection
- Vertical or horizontal mounting
- Current Consumption 120mA at 12V DC
- Sounder output at 1 metre 108dB - 1 tone only



A Chubb Mk6 dummy delta sounder

A Chubb decoy Delta Sounder offers enhanced visual deterrent to your system. Environmental Class IV.

SIGNALLING DEVICES



RedCare Secure 3 GPRS/PSTN dual path alarm signalling tranceiver

WHY A DUAL SIGNALLING DEVICE?

Police and insurers require that an alarm is proved to be genuine before police response can be actioned. This is known as a 'Confirmed' alarm. An alarm is deemed 'Confirmed' only when two separate alarm signals are received within a specified time frame. With a single-path device, the action of cutting the telephone line prevents transmission of the second confirming signal.

RedCare Secure overcomes this by using its second path to transmit the required confirming signal.

A RedCare Secure is designed to transmit a coded message to our ARC via GPRS combined with a PSTN landline connection as backup. If the GPRS/GSM network connection fails, the Alarm Receiving Centre (ARC) will receive a communication failure message. The PSTN path will continue to communicate with the ARC, sending any subsequent alarms.

- RedCare Secure meets the security grade (3) of EN50131.
- RedCare Secure is capable of sending a confirmed activation if either the primary radio path or secondary PSTN path is lost, regardless of which one is lost first.
- dedicated telephone line is recommended.
- RedCare Secure is compatible with high speed ADSL internet connections, (a micro filter should be fitted)
- Alarm messages on either the radio path or landline are toll free.

If a loss of radio communications and a line cut alarm are sent to the ARC within any set period the alarm will be classed as confirmed and the Police and your keyholder will be notified.

NOTE: For dual path signalling failure of both paths, within 96 hours, will result in the ARC

contacting the emergency services.

All radio based systems can have occasional losses of signal, due to atmospheric changes or local interference etc. Any building or stock alterations made at the premises may also affect the performance of the aerial and cause loss of communications. You should request that the telephone line is run in the least vulnerable position, preferably under ground or well protected and terminated within the protected area. No guarantee can be given that the line cannot be found and severed by an intruder.

Total CARE

We recommend that our customers subscribe to the BT emergency repair service Total CARE (Or equivalent). This guarantees a round the clock 4 hour response upon notification that your exchange line has developed a fault or suffered criminal damage. If you require this service please contact your local Chubb office and we will add this to your order.

Managed Reset

A managed reset facility is provided to allow the ARC operator to carry out the resetting of the alarm system, following an alarm activation in conjunction with the key holder. Use of the facility is subject to the following conditions in compliance with BS8473

- The keyholder is identified by the agreed security discipline.
- The cause of the alarm is identified and accepted by the Chubb ARC operator and corrective maintenance is not required.
- If there has been more than one false alarm to which the police have been called in a rolling 12 month period.
- However, for unconfirmed alarms (i.e. where there has been no police call) the number of managed resets that can be given is unlimited.
- If the cause of the alarm is identified as a 'break-in' or a 'fault', a managed reset will not be given and an engineer must attend the premise to reset the system.

SYSTEM ACCESSORIES



A flush mounted final setting switch

A push button set switch is used to complete the setting of your system. This unit includes an LED indicator to give you additional visual indication in noisy environments where it is difficult to hear the exit/entry tone i.e. adjacent to the road.

ACCESSORIES



Keyfob Proximity for PX/QX Range (2 OFF)

(enter number) Proximity keyfobs for use with your system will be provided .

Customer Responsibilities

Mains power supply spur points

An UN-switched dedicated 3Amp fused mains spur is required adjacent to all control equipment and ancillary system power supplies, locations are detailed in the Equipment and Location list.

Disclaimer

Product Obsolescence

Should any product specified not be available at the time of installation due to manufacturing restraints or obsolescence, Chubb Electronic Security Limited reserves the rights to substitute this product with a suitable alternative of equal or enhanced specification.

Additional Installation Information

Storage of Equipment delivered to premises

All equipment, plant and tools delivered to the premises Prior to commencement of the system installation should be stored safely in clean and dry conditions.

Access to premises

Please insure that the Chubb engineers have clear and safe access to all necessary areas of your premises required for the installation of your system. Health and Safety Regulations dictate that our engineers cannot access heights above 4m using standard ladders. Should we be required to reach heights above this safety threshold specialist access equipment may be required, for which additional charges may be incurred if this has not been allowed for at the time of the survey.

Sub-contractors

Where applicable, Chubb Fire and Security reserve the right to employ sub-contractors, in accordance with our Inspectorate body requirement for managing sub-contractors.

Existing Equipment

If your system is being upgraded or taken over and at the time of installation, any of the existing equipment or cabling is found to be faulty, not compatible or up to specified standard it will be replaced on a time and material basis.

Working Hours

This quotation is subject to installation being carried out during our normal working hours - Monday to Friday 9.00am to 5.00pm, any charge for work outside these hours will be excluded from our quotation (unless otherwise stated) and will be subject to a variation order. It does not cover extraneous work, building work, carpet lifting or refitting or redecorating.

Maintenance

The Chubb system detailed in the specification will be maintained in accordance with PD6662 and EN50131. For remotely signalled systems two maintenance checks per annum, and one for audible systems, unless otherwise specified.

Exclusion of birds and animals

You must ensure that birds and animals are excluded from areas protected by movement detectors to prevent accidental mis-operation.

Cables

All cables throughout the installation will be PVC insulated and be concealed where this can be economically accomplished within the quoted price of the installation, otherwise they will be run neatly on the surface (unless otherwise specified).

Detection Devices

It should be recognised that movement detection may not provide full coverage. In some instances coverage may extend beyond the stated area. Alteration of the position of objects within the area or structural alterations may cause significant changes in the area protected. Therefore it is recommended that you walk test the detectors periodically to ensure that the required coverage is being obtained, if you have any queries please contact Chubb. Details of how to walk test movement detectors are contained in your control unit operating instructions.

The Movement Detectors listed in this specification provide a level of 'space' protection only and will not provide total blanket coverage in any designated area or situation.

The area of coverage of the movement detectors is as shown in the Chubb Movement Detector Product Sheets which if not enclosed are available on request.

Overlapping Coverage

If devices of the same technology are installed and have overlapping detection areas they will be configured to generate a single input point on the system, this will be shown on your equipment and location table above on installation. An additional detector activation will be required to generate a confirmed alarm. This is particularly relevant to acoustic and seismic devices.

Sounders

NOTE: Under the Environmental Protection Act 1990 (Control of Pollution Act 1974 in Scotland) it is an offence to create a noise nuisance. Accordingly the external sounder must switch off automatically after no more than 15 minutes. This is also a requirement of the London Local Authorities Act, which empowers authorised officers of the Local Authorities concerned to seek a warrant to enter premises to silence an alarm causing prolonged annoyance. In addition, under the Control of Noise Order 1981, it is required that the Police and Local Environmental Health authority are informed of an active audible system within 48 hours of the installation. This is to be done by yourself using the forms enclosed in the system handover pack.

Sequential Alarm Confirmation - ACPO(s) Policy and BS8243

Intruder Alarm Sequential verification allows the Chubb Alarm Receiving Centre (ARC) to confirm an alarm is genuine before passing it to the police if an Intruder detector is activated an unconfirmed alarm will be signalled to the ARC and the keyholder will be contacted. If within 30 minutes a second detector in the sequential group is activated a confirmed alarm is signalled to the ARC. The police and keyholder will be informed that it is now a confirmed alarm.

A confirmed alarm will be generated when any of the following conditions are met within the 30 minute time window...

- Two detectors in the sequential group
- Unconfirmed followed by a line fault on single path signalling with monitored lines
- One detector alarm and a system tamper alarm
- If a break-in occurs through the entry/exit door a confirmed alarm will only be sent to the Alarm Receiving Centre after the entry time has expired and one additional device that are not on the entry route have been activated either subsequently or during the entry period. It is the recommendation of Chubb Fire and Security to install sequentially confirmed systems so that an intruder has to penetrate perimeter detection devices first, which will send the first signal to the ARC.
- Any subsequent confirmed alarm will be sent if the intruder moves further into the room / area and activates any volumetric/space protection. The design of the system in this fashion is intended to minimise any potential loss.

Hold Up Alarm Sequential verification allows the Chubb Alarm Receiving Centre (ARC) to confirm a Personal Attach or hold up alarm is genuine before passing it to the police if a Hold up alarm detector is activated an unconfirmed alarm will be signalled to the ARC this will be logged at the ARC. If within 12 hours a second hold up detector in the sequential group is activated a confirmed alarm is signalled to the ARC. The police will be informed that it is now a confirmed alarm.

Industry Agreement (IA1501)

The Industry Agreement on Interim Update of PD 6662: 2010 IA 1501:015 describes adjustments to the requirements of the scheme for intruder and hold-up alarm systems given in PD 6662: 2010 which the industry stakeholders agree to for an interim period pending publication of a revised version of PD 6662. Note:

PD 6662 is a scheme which enables I&HASs to be installed and maintained in accordance with published British and European standards, Technical Specifications and Drafts for Development. The revision of PD 6662 is anticipated during 2016 and will incorporate revised requirements given in Amendment 2 of EN 50131-1: 2006.

Payment

PD 6662 is a scheme which enables I&HASs to be installed and maintained in accordance with published British and European standards, Technical Specifications and Drafts for Development. The revision of PD 6662 is anticipated during 2016 and will incorporate revised requirements given in Amendment 2 of EN 50131-1: 2006. Please note that handover of the Chubb system will not be carried out until....

- The proposed signalling equipment has been connected, this is subject to your having any required telephone lines / block terminals and or RJ45 Network port installed
- You have supplied your keyholder information, without this the Police will not issue a Unique Reference Number and your system will be classed as 'sounder only'
- You have paid the URN administration fee which is payable via Chubb to METROPOLITAN POLICE SERVICE
- The price does not include any charges arising from removing and replacing of stock, furniture, carpets, fixtures and fittings which may be necessary.
- When returning the signed Agreement would you please include an initial down payment as detailed on your pro-forma invoice, the balance to be paid on completion of the system.
- The quoted price is valid for a period of 28 days from the date of this specification.
- If the installation period exceeds 28 days from our initial start date we may require further payments for material on-site and work completed.

Customer signature on completion of installation: Customer Signature

I agree that this system has been installed as detailed
in this specification

(including amendments made during installation)

Please note the following is a letter from the Police, the duration of the warning device in point 5 below is actually limited to 15 minutes to comply to EN50131.

ACPO Appendix I Customer Letter

Dear Sir/Madam

properly installed security system will help to protect your premises when it is unoccupied. As you are considering the installation of a remote signalling security system you should be aware that the police have safeguards to reduce levels of false calls which divert us away from other tasks in your community.

To avoid misunderstanding, here is a précis of the conditions. However, should you require further information please contact your local police alarms administration department.

1. Installation, maintenance and monitoring of security systems must only be undertaken by companies acceptable to your local police.
2. Such acceptance by the police does not imply a guarantee of the company's work. You should seek confirmation from the company that it is compliant with police policy and is acceptable to the police force for the transmission of alarm messages from new installations.
3. You will receive training on the operation of the system by the installer including methods of cancelling accidental operations of the alarm.
4. Some premises may be required to have a 10 minute delay of sounders to give us the opportunity to attend and detain offenders. You may apply to Police Headquarters for exemption to the delay.
5. Any external audible sounder should cut out after 20 minutes and alarms causing annoyance under the terms of the Control of Pollution Act may result in prosecution. Some local authority areas may be subject to Section 9 of the Noise & Statutory Nuisance Act 1993, or in London The London Local Authorities Act 1991 (Misc Provisions) which places additional responsibilities on the occupier. Please check with the installing company, or your local authority for details.
6. Security systems will receive a police response determined by the nature of demand, priorities and resources which exist at the time. If an intruder alarm generates 2 false calls in a rolling 12 month period you will be advised in writing so that you may take remedial action. It is important that you take remedial action as failure to do so could result in loss of police response to the system
7. Following 3 false calls in any rolling 12 month period on your Intruder Alarm police attendance will be withdrawn.
8. If your system has a separate Hold-Up Alarm police response will be withdrawn after 2 false calls in any rolling 12 month period.
9. Police attendance may be restored if remedial action has been taken to rectify the fault, or when the system has achieved 3 months free of false calls. The application must be submitted by your security company, with supporting evidence. It is therefore in your interest to identify and correct the cause of any false alarm in conjunction with your alarm company at the earliest opportunity.
10. On completion of the administration procedures your security company will be issued with a Unique Reference Number (URN) which identifies your system within our files to speed call handling. This number should be used in all correspondence to the police but please do not disclose it to any unauthorised person.
11. There is a requirement to have at least two keyholders, details of whom will be maintained by the Alarm Receiving Centre. Keyholders shall be trained to operate the security system, be telephone subscribers, have adequate means of transport to attend the premises at all hours, shall have access to all relevant parts of the premises and shall be able to attend within 20 minutes of being notified. If a keyholder is not available for any reason (e.g. sickness, holiday) a replacement must be provided to cover the period of unavailability.
12. In accordance with the Data Protection Act 1998 personal information relating to you and your keyholders in connection with the security system may be held on a computer. Please ensure that relevant names and addresses are current. It is regretted that such constraints are imposed but they are essential if we are to maintain the credibility of alarm systems, reduce false calls and provide you with an acceptable service.