

# FIRE DETECTION AND ALARM SYSTEM DESIGN CERTIFICATE

## DETAILS OF THE CLIENT

Client: Address: Postcode: 

## DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: Postcode: Extent of  
system  
covered by  
this certificate: 

The system is:

New: ☐Modification: ☐

## OBJECTIVES OF PROTECTION PROPOSED

## TYPE OF PREMISES AND SYSTEM CATEGORY

*Tick box or insert text as appropriate.*Type of premises: Estimated age  
of property:  yearsCombined  
systemsSystem  
category:L1 ☐L2 ☐L3 ☐L4 ☐L5 ☐P1 ☐P2 ☐M ☐☐

## DESCRIPTION OF AREAS PROTECTED\*

*\* Not applicable for category M, L1 or P1 systems*

## CERTIFICATION OF DESIGN

I/we, being the competent person(s) responsible (as indicated by my/our signature(s) below) for the design of the fire alarm system, particulars of which are set out above, CERTIFY that the said design for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of Section 2 of BS 5839-1: 2002 for the system Category described above, except for the variations, if any, stated in this certificate:

Variations from the recommendations of Section 2 of BS 5839-1 (see BS 5839-1, Clause 7)<sup>§</sup>:

<sup>§</sup> Continue on additional numbered pages as required

The extent of liability of the signatory/signatories is limited to the work described above.

For the **DESIGN** of the system:

**\*\*** (Where there is divided responsibility for the design)

Name:  
(CAPITALS)

Position:

Signature:

Date:

Name:  
(CAPITALS)

\*\*

Position:

Signature:

Date:

## NOTES FOR RECIPIENT

### THIS CERTIFICATE IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE REFERENCE

This certificate has been issued to confirm that the fire detection and alarm system to which it relates has been **designed** in accordance with the recommendations given in BS 5839-1 *Fire detection and fire alarm systems for buildings - Part 1: Code of practice for system design, installation, commissioning and maintenance*.

This certificate is intended for use by fire detection and alarm system designers not enrolled with NICEIC, or by NICEIC Approved Contractors working outside the scope of their enrolment.

Persons offering to design, install, commission, accept, verify, modify, maintain or inspect and service fire detection and alarm systems have a duty in law to ensure that all their supervisors and operatives given responsibility for such work are competent. This includes having a full understanding of all the technical and operational requirements relating to fire detection and alarm systems.

This certificate is intended to be issued only for the design work associated with a new fire detection and alarm system or for design work associated with a modification to an existing system.

This certificate consists of at least two pages. It should be read in conjunction with the additional documents identified in *Related Reference Documents* on page 2 of the certificate. It is part of a suite of documentation to be provided to you, the recipient, and it should be passed to the user or purchaser of the system.

You should have received the certificate marked 'Original' and the organization(s) responsible for the design of the fire detection and alarm system should have retained the certificate marked 'Duplicate'. **This certificate is a valuable document and should be retained for future reference as you may, subsequently, rely on this certificate as evidence of compliance with legislation. If you were the person ordering the work but not the user of the system, you should pass this certificate, or a full copy of it including all the related reference documents (see page 2), immediately to the user.**

The 'Original' certificate should be retained in a safe place and be shown to persons responsible for installing, commissioning, accepting, verifying, servicing, modifying or using the fire detection and alarm system. If you later vacate the property or building, this design certificate will demonstrate to the new responsible person that the design of the fire detection and alarm system complied with the recommendations of BS 5839-1 (except for any variations noted on the certificate) at the time the certificate was issued.

You should have been provided with sufficient information such that a person who is unfamiliar with the technology of fire alarm systems can limit the occurrence of false alarms.

#### Page 1

##### **Details of the Client and Details of the Fire Detection and Alarm System**

Information presented in the boxes should clearly identify the Client, the location and extent of the fire detection and alarm system and whether the system is new or a modification to an existing system.

##### **Objectives of the Protection Provided**

A brief and clear description of the proposed protection should have been given. This may be particularly useful for a submission to an enforcing authority.

##### **Type of Premises and System Category**

Information presented should give an accurate description of the premises (such as school, hospital, church hall or office building) and the Category of system proposed. Note that where the objectives of more than one system are to be satisfied, the system will be described as a category X/Y system (eg L2/P2 or L3/P2).

##### **Description of Areas Protected**

A brief description of the areas of the building that are protected by automatic fire detection should have been given.

Certificate adapted from BS 5839-1: 2002 with the permission of BSI under licence number 2002SK/0342.

Complete British Standards can be obtained from BSI Customer Services, 389 Chiswick High Road, London, W4 4AL.

continued on the reverse of page 2

FDM3/1&2B

# FIRE DETECTION AND ALARM SYSTEM DESIGN CERTIFICATE

## PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE DESIGN

<b>DESIGN (1)</b>	Organisation: <input type="text"/>
Address: <input type="text"/>	Postcode: <input type="text"/>
<b>DESIGN (2)</b>	Organisation: <input type="text"/>
Address: <input type="text"/>	Postcode: <input type="text"/>

## LIMITATION OF FALSE ALARMS

Tick box or insert N/A (Not Applicable) as appropriate

Account has been taken of the guidance contained in Section 3 of BS 5839-1: 2002 and, more specifically :

- ☐ The system is manual. Type and siting of manual call points takes account of the guidance contained in Section 3 of BS 5839-1.
- ☐ The system incorporates automatic fire detectors, and account has been taken of reasonably foreseeable causes of unwanted alarms, particularly in the selection and siting of detectors.
- ☐ An appropriate analogue system has been specified.
- ☐ An appropriate multi-sensor system has been specified.
- ☐ A time-related system has been specified. Details:
- ☐ Fire signals from automatic fire detectors result initially in a staff alarm, which delays (*delete i) or ii) as applicable*)  
 either i) a general alarm  
 or ii) transmission of signals to an alarm receiving centre for  minutes.
- ☐ Appropriate guidance has been provided for the user to enable limitation of false alarms.
- ☐ Other measures as follows<sup>§</sup>:

<sup>§</sup>Continue on additional numbered pages as required

## INSTALLATION AND COMMISSIONING

Tick box as appropriate

**It is strongly recommended that installation and commissioning be undertaken in accordance with the recommendations of Sections 4 and 5 of BS 5839-1 respectively.**

### Soak test

- ☐ In accordance with the recommendations of Clause 35.2.6 of BS 5839-1, it is recommended that, following commissioning, a soak period should follow:  Enter a period of not less than one week
- ☐ As the system incorporates no more than 50 automatic fire detectors, no soak test is necessary to satisfy the recommendations of BS 5839-1.

## VERIFICATION

Tick box as appropriate

Verification that the system complies with BS 5839-1 should be carried out, on completion, in accordance with Clause 43 of BS 5839-1:

Yes: ☐

No: ☐

To be decided by the purchaser or user: ☐

## MAINTENANCE

**It is strongly recommended that, after completion, the system is maintained in accordance with Section 6 of BS 5839-1.**

## USER RESPONSIBILITIES

**The user should appoint a responsible person to supervise all matters pertaining to the fire alarm system in accordance with the recommendations of Section 7 of BS 5839-1.**

## RELATED REFERENCE DOCUMENTS

Design Specification  
Ref No:

Date  
issued:

Fire Risk Assessment No:

Date  
issued:

Design Drawings  
Ref No:

Date  
issued:

Other<sup>§</sup>:

Date  
issued:

<sup>§</sup>Continue on additional numbered pages as required

## **NOTES FOR RECIPIENT**

### **(continued from the reverse of page 1)**

#### **Certification of Design and Particulars of the Organization(s) Responsible for the Design (Page 2)**

The designer(s) should have signed and dated the certificate, given their details, and recorded any variations from BS 5839-1.

#### **Page 2**

##### **Limitation of False Alarms**

False alarms create disruption to the normal operation of business and create a drain on fire service resources. Significant importance is attached to the limitation of false alarms. The major part of the responsibility for the limitation of false alarms rests with the designer, and the information given in the boxes provides a record of the design procedures that have been implemented. In particular, you, the recipient, should have been provided with guidance that will enable limitation of false alarms.

##### **Installation and Commissioning**

The fire detection and alarm system to which this certificate relates should be installed and commissioned in accordance with the recommendations of Sections 4 and 5 of BS 5839-1 respectively. Additionally, the designer(s) should have given recommendations regarding soak testing of the system.

##### **Verification**

In this box, the designer should have given a recommendation as to whether the system should be verified in accordance with Clause 43 of BS 5839-1.

Verification may be required where a purchaser or user considers that as a result of the division of responsibilities for the design, supply, installation and/or commissioning processes, there is a significant potential for the installed system to deviate from the recommendations of BS 5839-1. The verification process needs to confirm that, as far as can reasonably be determined, the system complies with all the recommendations of BS 5839-1 (including the limitation of false alarms), and that any variations have been agreed between all concerned parties and documented.

##### **Maintenance**

The purpose of this box on the certificate is to recommend that the system is maintained in accordance with Section 6 of BS 5839-1.

##### **User Responsibilities**

The user of the system should appoint a responsible person to supervise all matters pertaining to the fire alarm system in accordance with the recommendations of Section 7 of BS 5839-1.

##### **Related Reference Documents**

This box gives a list of documents that should have been issued to you, the recipient.