

# PremierM+48

FIRE ALARM CONTROL PANEL

DESIGNED TO COMPLY WITH EN54 PT2 & PT4 1997

## **LOG BOOK & CERTIFICATES**

# FIRE ALARM SYSTEM SUMMARY:

<b>FIRE ZONE INFORMATION</b>				
<b>ZONE NO</b>	<b>ZONE DESCRIPTION</b> A brief description of all the rooms and areas contained in each zone	<b>QTY Smoke</b>	<b>QTY MCP</b>	<b>QTY Heat</b>
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48				

<b>SOUNDER CIRCUIT</b>	<b>SOUNDER CIRCUIT DESCRIPTION</b> A brief description of all the rooms and areas contained in each circuit	<b>QTY SNDR</b>	<b>QTY BELLS</b>	<b>QTY Flasher</b>
CIRCUIT 1				
CIRCUIT 2				
CIRCUIT 3				
CIRCUIT 4				
<b>ANY OTHER INFORMATION ABOUT THE SOUNDER CIRCUITS</b>				
<b>OUTPUT ROUTING INFORMATION</b>				
<b>TYPE OF OUTPUT</b>	<b>CONNECTED</b>	<b>WHAT HAPPENS WHEN ACTIVATED</b>		
FIRE RELAY	YES / NO			
FAULT RELAY	YES / NO			
F.A.R.E. OUTPUT	YES / NO			
<b>ADDITIONAL INFORMATION</b>				
<b>THE ABOVE INFORMATION WAS COMPLETED BY</b>				
NAME				
COMPANY				
POSITION				
DATE				

It is recommended that this LOG BOOK be maintained by the responsible person(s) on site, who should ensure every event is properly recorded (including fire alarm conditions, failures, tests, temporary disconnections, disablements, enablements, dates of installing engineers' visits together with a note of any outstanding work or panel conditions). This LOG BOOK must be available for inspection at all times.

You can photocopy this log book to provide extra pages for when this book is full.

<b>Company:</b> _____
<b>Site Address:</b> _____ _____ _____ _____
<b>System designed by:</b> _____
<b>System installed by:</b> _____
<b>System commissioned by:</b> _____
<b>System maintained by:</b> _____
<b>Contract No:</b> _____
<b>Contract valid until:</b> _____
<b>For Service (Normal hours Mon-Fri) Tel:</b> _____
<b>For Service (Other times) Tel:</b> _____
<b>Responsible Person(s) on Site:</b> _____

BS5839 part 1 recommends that fire alarm events should be subdivided & recorded on separate sheets in the log book. The event categories are:

**Maintenance work – to be completed by any engineer undertaking any work on the system.**

**False Alarms – any alarm on the system not caused by a genuine fire. This includes:**

- ENVIRONMENTAL ,
- FIRE -LIKE PHENOMENA ,
- INAPPROPRIATE ACTION ,
- ACCIDENTAL DAMAGE ,
- MALICIOUS ACTION ,
- GENUINE BELIEF.
- EQUIPMENT FALSE ALARM.

All other events. This would include all genuine alarms, and any faults that occur on the system.

# MAINTENANCE WORK





# FALSE & UNWANTED ALARMS





# GENUINE ALARMS AND ALARM SYSTEM FAULTS





## COMMISSIONING THE SYSTEM, INCLUDING P.S.E.

- The commissioning of this fire alarm system should be performed by a qualified commissioning engineer, who has an understanding of sections 2,3,& 4 of BS5839 pt 1:2002 (i.e. Design considerations, Limitations of false alarms, Installation recommendations)
- The system layout drawing should be checked for accuracy & stored in a safe place, accessible to any fire officer.
- The system summary section should be checked for accuracy.
- The fire alarm log book contact details should be checked for completeness.
- The insulation of cables should be checked in accordance with BS5839 Pt1: 2002 clause 38.2 for compliance.
- The Earthing should be checked in accordance with BS5839 Pt1: 2002 clause 38.2 for compliance.
- The PSE mains feed from a 3A spur should be checked. **It should be protected by an over current device (MCB) NOT an earth leakage device (RCD).**
- The PSE Charger voltage should be checked & adjusted if necessary (28.3 with batteries disconnected).
- The battery voltage should be checked (should be between 24 & 27V)
- All call points & detectors can signal an alarm condition and indicate the correct zone (and text message) on the fire alarm panel.
- The Sound pressure level throughout the building should be checked for compliance with the recommendations of BS5839 Pt1: 2002 clause 16.2
- Any deviations from BS5839 Pt1 clause 7.2 should be listed in the Certificate of Installation & Commissioning.
- The Certificate of Installation & Commissioning should be completed, and the whole user manual passed to the relevant person on site. (They should be given a brief training on the basic operation of the FACP)

## DESIGN, INSTALLATION & COMMISSIONING CERTIFICATES

The guidelines in BS 5839 Pt1: 2002 say that each stage of the system design and installation should have a separate certificate. Before this User Manual is handed over to the relevant person(s) on site, the following certificates (or the relevant company's equivalent) should be completed by the system designer, the installation engineer and the commissioning engineer. The System Description sheet should also be completed on Page 12 as should the relevant parts of the Log Book section on Page 13.

The user, or responsible person should then complete the acceptance certificate to acknowledge that they have been instructed in the use of the fire alarm, have witnessed that it is operational, and have been given all the relevant paperwork (drawings, log book, user manual, etc)

# DESIGN CERTIFICATE

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Certificate of Design for the Premier M 48 Fire Alarm System installed at:

**Address:** \_\_\_\_\_  
\_\_\_\_\_

I/we being the competent person(s) responsible (as indicated by my/our signatures below) for the design of the fire alarm system, particulars of which are set out below, 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 below, except for the variations, if any, stated in this certificate

**Name (in block letters):** \_\_\_\_\_ **Position:** \_\_\_\_\_

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**For and on behalf of:** \_\_\_\_\_

**Address:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ **Postcode:** \_\_\_\_\_

The extent of liability of the signatory is limited to the system described below.

System Category (see BS 5839-1:2002, Clause 5): \_\_\_\_\_

Variations from the recommendations of section 2 of BS 5839-1:2002 (see Clause 7):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Extent of system covered by this certificate:  
\_\_\_\_\_  
\_\_\_\_\_

Brief description of areas protected (not applicable for Category M, L1 or P1 systems):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# DESIGN CERTIFICATE

PAGE 2 of 2

Measures incorporated to limit false alarms. Account has to be taken of the guidance contained in section 3 of BS 5839-1: 2002 and, more specifically (tick as appropriate):

- The System is manual. Type & siting of manual call points takes account of the guidelines 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 a general alarm / transmission of signals to an alarm receiving centre (delete as applicable) for \_\_\_\_\_ min.
- Appropriate guidance has been provided to the user to enable limitation of false alarms.
- Other measures as follows: \_\_\_\_\_

## INSTALLATION & COMMISSIONING RECOMMENDATIONS

It is strongly recommended that installation and commissioning be undertaken in accordance with the recommendations of section 4 and section 5 of BS 5839-1: 2002 respectively.

## SOAK TEST

- In accordance with the recommendations of clause 35.2.6 of BS 5839-1:2002, it is recommended that following commissioning a soak period of \_\_\_\_\_ should follow (enter a period of at least 1 week)
- As the system incorporates no more than 50 automatic fire detectors, no soak test is necessary to satisfy the recommendations of BS 5839-1:2002

## VERIFICATION

Verification that the system complies with BS 5839-1:2002 should be carried out, on completion, in accordance with BS 5839-1:2002 Clause 43

- 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 5839-1:2002

## 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 5839-1:2002

# INSTALLATION CERTIFICATE

Certificate of Installation for the Premier M 48 Fire Alarm System installed at:

**Address:** \_\_\_\_\_  
\_\_\_\_\_

I/we being the competent person(s) responsible (as indicated by my/our signatures below) for the installation of the fire alarm system, particulars of which are set out below, CERTIFY that the said installation for which I/we have been responsible complies to the best of my/our knowledge and belief with the specifications described below, and with the recommendations of BS5839-1:2002, except for the variations, if any, stated in this certificate

**Name (in block letters):** \_\_\_\_\_ **Position:** \_\_\_\_\_  
**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**For and on behalf of:** \_\_\_\_\_  
**Address:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_ **Postcode:** \_\_\_\_\_

The extent of liability of the signatory is limited to the system described below.

Extent of the installation work covered by this certificate.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Specification against which the system was installed:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Variations from the specification and/or section 4 of BS 5839-1:2002 (see clause 7)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The wiring has been tested in accordance with the recommendations of clause 38 of BS 5839-1:2002. The test results have been recorded and provided to: \_\_\_\_\_

Unless supplied by others, the "as fitted" drawings have been supplied to the person responsible for commissioning the system (see BS 5839-1:2002 clause 36.2m)

# COMMISSIONING CERTIFICATE

Certificate of COMMISSIONING for the Premier M 48 Fire Alarm System installed at:

**Address:** \_\_\_\_\_  
\_\_\_\_\_

I/we being the competent person(s) responsible (as indicated by my/our signatures below) for the commissioning of the fire alarm system, particulars of which are set out below, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of Clause 39 of BS5839-1:2002, except for the variations, if any, stated in this certificate

**Name (in block letters):** \_\_\_\_\_ **Position:** \_\_\_\_\_

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**For and on behalf of:** \_\_\_\_\_

**Address:** \_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_ **Postcode:** \_\_\_\_\_

The extent of liability of the signatory is limited to the system described below.

Extent of the installation work covered by this certificate.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Variations from the recommendations of clause 39 of BS 5839-1:2002 (see clause 7)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- All equipment operates correctly
- Installation work is, as far as can be reasonably ascertained, of an acceptable standard
- The entire system has been inspected and tested in accordance with the recommendations of 39.2.c of BS 5839-1: 2002.
- The system performs as required by the specifications prepared by:  
\_\_\_\_\_
- Taking into account the guidance contained in section 3 of BS 5839-1: 2002, I/we have not identified any obvious potential for an unacceptable rate of false alarms.
- The documentation described in Clause 40 of BS 5839-1:2002 has been provided to the user

The following work should be completed before/after (delete as applicable) the system becomes operational

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The following potential causes of false alarms should be considered at the time of the next service visit:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Before the system becomes operational, it should be soak tested in accordance with the recommendations of Clause 35.2.6 of BS 5839-1:2002 for a period of: \_\_\_\_\_ (enter a period of 1 week, the period required by the design specification, or the period recommended by the signatory to this certificate, whichever period is the greatest, or delete if not applicable)

# ACCEPTANCE CERTIFICATE

Certificate of Acceptance for the Premier M 48 Fire Alarm System installed at:

**Address:** \_\_\_\_\_

I/we being the competent person(s) responsible (as indicated by my/our signatures below) for the acceptance of the fire alarm system, particulars of which are set out below, ACCEPT the system on behalf of:

**Name (in block letters):** \_\_\_\_\_ **Position:** \_\_\_\_\_

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**For and on behalf of:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_ **Postcode:** \_\_\_\_\_

The extent of liability of the signatory is limited to the system described below.

Extent of the system covered by this certificate.

- All installation work appears to be satisfactory.
- The system is capable of giving a fire alarm signal
- The facility for remote transmission of alarms to an alarm receiving centre operates correctly.  
(Delete if not applicable)

**The following documents have been provided to the purchaser or user:**

- "As fitted" drawings.
- Operating and maintenance instructions
- Certificates of Design, Installation and Commissioning.
- A log book.
- Sufficient representatives of the user have been properly instructed in the use of the system, including, at least, all means of triggering fire signals, silencing and resetting the system, and avoidance of false alarms.
- All relevant tests, defined in the purchasing specification, have been witnessed.  
(Delete if not applicable.)

The following work is required before the system can be accepted:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_