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Certificate of Commissioning for the Fire Detection and Fire Alarm System

Industry body logo here

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Certificate Number: AFA012

JOB NUMBER REFERENCE : 41935

Client name and address	Site name and address
Tes T Customer	Mrs Demi Onstration
Unit 10 Justin Business Park Sandford Lane	1 St. Georges House Vernon Gate
Wareham, Dorset, United Kingdom	Derby, Derbyshire, United Kingdom
BH20 4DY	DE1 1UQ
Tel : 01254238672	**Tel :** 07821668450

System Type:	CF - System Type		
Category:	CF - System category		
Signalling Type:	CF - Signalling Type		
ARC:	CF - ARC	**CHIP:**	CF - CHIP

I/we being the competent person(s) responsible (as indicated by my/our signatures below) for the commissioning of the fire detection and 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 BS 5839-1:2017, except for the variations, if any, stated in this certificate.

Name (in block letters):	James Haworth	**Position:**	Director
Signature:	James Haworth	**Date:**	15/09/2022
Company registration number:	Test-BAFE ID-123		

Configurable Filenames. Including date, job no and custom text.

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The extent of liability of the signatory is limited to the system described below. Extent of system covered by this certificate:

TR - 1 - Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Enim nec dui nunc mattis enim. Feugiat scelerisque varius morbi enim. Faucibus purus in massa tempor nec feugiat. Interdum velit laoreet id donec. Vel orci porta non pulvinar neque laoreet suspendisse. Eget dolor morbi non arcu risus quis varius. In tellus integer feugiat scelerisque varius morbi enim nunc faucibus. Sit amet volutpat consequat mauris nunc congue nisi vitae suscipit.

Colours configurable to match your brand.

Variations from the recommendations of Clause 39 of BS 5839-1:2017 (see BS 5839-1:2017, Clause 7):

TR - 2 - Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Enim nec dui nunc mattis enim. Feugiat scelerisque varius morbi enim. Faucibus purus in massa tempor nec feugiat. Interdum velit laoreet id donec. Vel orci porta non pulvinar neque laoreet suspendisse. Eget dolor morbi non arcu risus quis varius. In tellus integer feugiat scelerisque varius morbi enim nunc faucibus. Sit amet volutpat consequat mauris nunc congue nisi vitae suscipit.

Expanding text fields. Comment/advice type fields can dynamically expand to accommodate the text.

Test carried out	No.	Tests	Comments
✓	1	All equipment operates correctly.	TR - 3
✗	2	Installation work is, as far as can reasonably be ascertained, of an acceptable standard.	TR - 4
✓	3	The entire system has been inspected and tested in accordance with the recommendations of 39.2c) of BS 5839-1:2017.	TR - 5
✗	4	The system performs as required by the specification prepared by: TR - 6 a copy of which I/we have been given.	TR - 7
✓	5	Taking into account the guidance contained in Section 3 of BS 5839-1:2017, I/we have not identified any obvious potential for an unacceptable rate of false alarms.	TR - 8
✗	6	The documentation described in Clause 40 of BS 5839-1:2017 has been provided to the user.	TR - 9
✓	7	All manual call points and automatic fire detectors function correctly in accordance with 45.4;	TR - 10
✗	8	If the specification requires labelling or other means of visual identification of manual call points, automatic fire detectors, fire alarm devices or ancillary devices, this has been carried out;	TR - 11
✓	9	Every manual call point and automatic fire detector, on operation, results in the correct zone indication, and,he case of addressable systems, correct text display, at all indicating equipment;	TR - 12
✗	10	Where an optical beam detector uses a combined transmitter/receiver unit in conjunction with a reflector,care be taken to minimize the effect of reflections (e.g. from surfaces close to the transmitter/receiver unit) from dominating the received signal. Unless the equipment has specific features to compensate for such effects, at commissioning, the installed unit should be tested by partial obscuration of the beam near to the reflector.	TR - 13
✓	11	Sound pressure levels throughout all areas of the building conform to 16.2; and, where appropriate for voice alarms, an acceptable level of intelligibility is achieved in accordance with BS 5839-8 throughout all areas of the building; sound levels recorded on the as fitted drawings	TR - 14
✗	12	Any facility for remote transmission of fire alarm signals (and, where appropriate, fault signals) to an ARC operates correctly;	TR - 15
✓	13	Any “cause and effect” requirements of the designer (e.g. in respect of staged alarms or initiation of operation of other fire protection systems and equipment, safety measures, etc.) are fully satisfied;	TR - 16
✗	14	All alarm, control, indicating, printing, and ancillary functions of the system operate correctly and are adequately labelled or identified;	TR - 17
✓	15	No changes to the building since the time of original design have compromised the compliance of the system this part of BS 5839 (e.g. by erection of new partitioning that affects the adequacy of siting of fire detectors or the effectiveness of warning devices);	TR - 18
✗	16	Siting of manual call points conforms to, at least, the recommendations of 20.2h) and 20.2i);The entire system has been inspected and tested in accordance with the recommendations of 39.2c) of BS 5839-1:2017.	TR - 19
✓	17	Siting of point heat, smoke and carbon monoxide detectors conforms to 22.3d) to 22.3j) and 22.3m) to 22.3p);	TR - 20
✗	18	Siting of beam-type smoke detectors conforms to 22.3d), 22.3f), 22.3i), 22.3j), 22.3k), 22.5e), 22.5f) and 22.5g);	TR - 21
✓	19	Siting of line heat detectors conforms to 22.3d), 22.3f), 22.3i), 22.3j), 22.6d) and 22.6e);	TR - 22
✗	20	Siting of aspirating smoke detection systems conforms to the guidance of the manufacturer;	TR - 23
✓	21	Siting of flame detectors conforms to 22.8b) and 22.8c);	TR - 24
✗	22	Siting of any smoke detectors in ventilation ducts conforms to 22.10a);	TR - 25
✓	23	Siting of control, indicating and power supply equipment conforms to 23.2.1b), 23.2.1c), 23.2.1d), 23.2.1e), 23.2.1f) and 23.2.1g);	TR - 26

Test carried out	No.	Tests	Comments
X	24	There is a suitable diagrammatic representation of the premises that satisfies the recommendations of 23.2.2e);	TR - 27
✓	25	The provision of any visual alarms conforms to Clause 17;	TR - 28
X	26	Mains power supplies are inspected as far as is reasonably practical to ensure conformity to 25.2;	TR - 29
✓	27	Standby power supplies conform to 25.4 and that the system's actual load currents in all circumstances are close to the predictions used by the designer to determine the specified battery capacity;	TR - 30
X	28	as far as it is reasonably practicable to ascertain, the specified cable type has been used in all parts of the system and the workmanship conforms to 37.2;	TR - 31
✓	29	As far as is reasonably practicable to ascertain, the system conforms to Section 3 of this standard;	TR - 32
X	30	There are no other obvious shortcomings in compliance with Section 2 of this standard (e.g. unprotected areas within a Category L1 or P1 system, or incorrect spacing or siting of fire detectors);	TR - 33
✓	31	In radio-linked systems, radio signal strengths are adequate throughout all areas of the protected premises	TR - 34
X	32	Records of insulation resistance, earth continuity and, where appropriate, earth loop impedance tests exist;	TR - 35
✓	33	All fault indicators and their circuits should be checked, where practicable, by simulation of faults conditions;	TR - 36
X	34	All relevant documentation (see Clause 40) has been provided to the user or purchaser.	TR - 37
✓	35	The system complies with the original spec/design & the use of the building has not changed.	TR - 38
✓	36	The 'as fitted' drawing , to the best of my knowledge, accurately reflects the building structure.	TR - 39
✓	38	Cables are segregated as required and suitably supported (where visibly checked)	TR - 41
X	39	Cables are mechanically protected as required	TR - 42
✓	40	Junction boxes are correctly labelled and identified on drawings (where visibly checked)	TR - 43
X	41	All batteries are clearly marked and labelled with date of installation	TR - 44
✓	42	Provision of sounder circuits is appropriate.	TR - 45
X	43	Detector type and spacing is appropriate to the system category	TR - 46
✓	44	Zone charts have been fitted in all appropriate locations (e.g. adjacent to control equipment & repeaters)	TR - 47

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

TR - 48

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

TR - 49

Before the system becomes operational, it should be soak tested in accordance with the recommendations of 35.2.6 of BS 5839-1:2017 for a period of: TR - 50 (Enter a period of either one week, such period as required by the specification, or such period as recommended by the signatory to this certificate, whichever is the greatest, or delete if not applicable.)

Battery design calculation in mA				
Standby current	Standby hours	Current in an alarm condition	Battery degradation	Required battery size
0.2	24	0.6	1.25	6.75

