

**TEST CERTIFICATE**

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 UKAS Testing Number 1574

<b>Issued to: -</b>	Bull Products Ltd Beacon House, 4 Beacon Road Rotherwas Industrial Estate Hereford, HR2 6JF	Order No.5203
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<b>Acoustic Sound Level Test/s were performed on the apparatus as detailed: -</b>		
<b>Description</b>	CYGNUS 868 Alarm System. The product is a fire alarm system, which is able to link units wirelessly (868MHz) intended for use, principally, on construction sites. The units provided for test were production items however they were not individually identified by serial numbers	
<b>Model numbers provided for test</b>	CYG1-GSM/GPRS – Cygnus Fire Control Panel with GSM/GPRS Remote Link CYG2PIR – Cygnus Fire Call Point Alarm C/W PIR Intruder Sensor CYG2/85DBPIR – Cygnus Fire Call Point Alarm 85dB (No Beacon) C/W PIR Intruder Sensor	
<b>Configuration/ Mode of Operation</b>	Mode 4: Battery powered with charger on. Alarm detected, sounder active	
<b>Date received</b>	20 April 2015	<b>Date Tested</b> 11 May 2015

<b>Certificate No: -</b>	<b>B1704TC1</b>	<b>Job No: -</b>	<b>B2055A-2</b>	<b>Date: -</b>	<b>11/05/2015</b>	<b>Page 1 of 2</b>
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<b>Tested by: -</b>	<i>A. Dace</i> A Dace BA, iNCE Principal Engineer	<b>Approved signatory: -</b>	<i>E. Warren</i> E Warren, BSc Principal Engineer
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<b>Reference Standard</b>	BS EN 54-3:2001	BS EN 54-3:2001 Fire detection and fire alarm systems - Part3 Fire alarm devices – Sounders Not UKAS accredited
<b>Test Standard</b>	BS EN 54-3:2001 Annex A	Sound Level Test for fire alarm sounders Not UKAS accredited

**The apparatus to which this certificate relates was tested against the above specifications. Full results are retained on file at the EMC Test Centre, Yate, Bristol. The apparatus was found to be compliant to the above specifications subject to the following conditions:**

**UKAS Accreditation**

Tests marked "Not UKAS Accredited" in this certificate are not included in the UKAS Accreditation Schedule for our laboratory. Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

**EUT Submitted**

These results apply only to the particular EUT submitted, in the configuration used and in the mode of operation tested.

Test Standard	Test position Annex A Figure A2 (degrees)	Type A device CYG2 / 85dB (Surface mount device)			
		Measured SPL at 3m dB(A weighted)	Corrected SPL at 1m dB(A weighted)	Limits (1m) Minimum and maximum dB	Pass /Fail
BS EN 54-3:2001 Fire detection and fire alarm systems - Part3 Fire alarm devices – Sounders Annex A Not UKAS accredited		<b>SPL dB(A)</b>	<b>SPL dB(A)</b>	<b>SPL dB(A)</b>	-
	15	76.4	85.94	65 to 120	Pass
	45	74.4	83.94	65 to 120	Pass
	75	75.4	84.94	65 to 120	Pass
	105	75.1	84.64	65 to 120	Pass
	135	73.6	83.14	65 to 120	Pass
	165	76.9	86.44	65 to 120	Pass

Test Standard	Test position Annex A Figure A2 (degrees)	Type B device CYG2 Call Point Alarm (Surface mount device)			
		Measured SPL at 3m dB(A weighted)	Corrected SPL at 1m dB(A weighted)	Limits Minimum and maximum dB	Pass /Fail
BS EN 54-3:2001 Fire detection and fire alarm systems - Part3 Fire alarm devices – Sounders Annex A Not UKAS accredited		<b>SPL dB(A)</b>	<b>SPL dB(A)</b>	<b>SPL dB(A)</b>	-
	15	98.6	108.14	65 to 120	Pass
	45	99.2	108.74	65 to 120	Pass
	75	101.0	110.54	65 to 120	Pass
	105	101.3	110.84	65 to 120	Pass
	135	99.9	109.44	65 to 120	Pass
	165	98.5	108.04	65 to 120	Pass

**Opinions/Interpretations/Additional information**

None

-----End of Certificate-----

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