



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1235</b>	28-Apr-1999	Number 12	Issue date 1-May-2018	30-Apr-2019

Page 1 of 4

## Product designation

**Newsound, Model 94000, emergency warning & intercommunication system panel**

(Refer to the Schedule/enclosures for further specified details)

## Agent/distributor

Newsound Fire Services Pty Ltd  
3 Raymond Street East, REVESBY, NSW, AUSTRALIA, 2212

## Registrant

Newsound Fire Services Pty Ltd  
3 Raymond Street East, REVESBY, NSW, AUSTRALIA, 2212

### Producer

Newsound Fire Services Pty Ltd  
3 Raymond Street East, REVESBY, NSW, AUSTRALIA, 2212

## Conformance criteria and evaluation

The Newsound, Model 94000, emergency warning & intercommunication system panel has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 2220.1-1989, 'Emergency warning and intercommunication systems in buildings - Equipment design and manufacture' incl. Amdt 1 (November 1989) / Amdt 2 (August 1993).

## Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. Compatibility of this equipment with new or existing actuating devices should be verified prior to installation.

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

David Whittaker  
Executive Officer – ActivFire Scheme



# Schedule to Certificate of Conformity

Certificate num.	Registration date	Version		Valid until	Page 2 of 4
<b>afp - 1235</b>	28-Apr-1999	Number 12	Issue date 1-May-2018	30-Apr-2019	

## Producer's description

The Newsound, Model 94000, emergency warning & intercommunication system panel consists of two major sub-systems, Emergency Warning System (EWS) and Emergency intercommunication System (EIS). The EWIS might be comprised of one or more emergency control panels (ECPs). A master emergency control panel (MECP), with the manual operation of its key switch, takes full control of the EWS and EIS, and overrides all other ECPs in the building.

The EWS provides a totally independent emergency warning system to alert occupants of a building to a potential emergency situation and to initiate an orderly evacuation of the building by distinctive audible signal, verbal address and visual signals, using speakers and visual alarms in evacuation zones. The EWS may be used for non-emergency functions such as paging and background music during times of normal occupancy. The EWS has one or more audio amplifiers and visual alarm driver (optional) per each evacuation zone. Each amplifier can be switched by system microprocessors to five different sources of input signal; public address (PA), alert tone (AL), evacuation tone (EV), background music (BM), and inaudible test signal (TS).

The EIS provides a totally independent two-way voice communication between the controlling Emergency Control Panel (ECP) and the twelve Warden Intercommunication Points (WIP's). Each ECP can provide EIS facilities for EWIS operator to; call individual WIPs and converse with each WIP on a full duplex basis, call and converse with all WIPs simultaneously on a simplex basis with group connection in his direction, and to call and converse with up to five WIPs on a conference basis. The EIS can provide facilities for any WIP to call the controlling ECP. It can provide facilities to enable controlling the ECP to accept calls at the EWIS operator discretion.

## Technical specification

The following details are a representative extract of the technical specification for the Newsound, Model 94000, emergency warning & intercommunication system panel and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

### Power Supply

<b>Model:</b>	Mascot Model No. 8921
Nominal output voltage:	26.9 V
Maximum rated output current:	9 A
Current limiting fuse rating:	5 A @ 240 Vac

### Battery Charger

Battery charger voltage setting:	26.4 V
Circuit current limiting:	10.8 A
Current limiting device rating (fuse):	20 A

### Panel

Quiescent panel load:	3.55 A
Minimum power supply load:	6.15 A
Required battery capacity	
4 zones MECP plus 4 zones SECP:	48 Ah
Manufacturer's nominated battery capacity:	65 Ah

### 30 W Amplifier

Power output:	100 V A/C line
Power bandwidth:	
Lower boundary:	167 Hz
Upper boundary:	11.3 kHz
Maximum frequency response variation:	± 1 dB
Signal to Noise ration:	60 dB
Quiescent current consumption:	15 mA
Full output power current consumption:	2.46 A

# Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1235</b>	28-Apr-1999	Number 12	Issue date 1-May-2018	30-Apr-2019
				Page 3 of 4

## Supplementary information

### External devices:

Characteristics	Model / part number
Altronics 5W, 100mm ceiling speaker with M1115 multi-tapped transformer	C2105
Audio Telex 5W, 100mm ceiling speaker with ATC 5006R multi-tapped transformer	ATC5010-1
Master warden phone	A2095
Warden phone	A2095
Emergency break glass alarm	MCP A1
Strobe - Amber	S 5420
Strobe - Red	
MECP/SECP Audio Telex Microphone	NC450D
MECP/SECP Microphone	LBB 9090/00

### Evaluated modules

Module description	PCB number	iss	Tech. drawing number	Rev.	Reference
30 W Zone Amplifier Card	94-100		94-100 Shts 1 & 2	1.0	XF1289/R3, Apr. 1999 AS 2220.1-1989 inc amdt 1 & 2
Zone Card	94-101		94-101 Shts 1 & 2	1.0	
Local Microprocessor Card of Amplifier Rack	94-102		94-102 Sht 1	1.0	
Motherboard of Amplifier Rack (for 4 amplifiers)	94-103		94-103 Sht 1	1.0	
Interface Box Junction Panel 48 Way for WIPs & BGA's	94-105		94-105 Sht 1	1.0	
Interface Card of Interface Box	94-106		94-106 Shts 1 & 2	1.0	
Local Microprocessor Card for Interface Box	94-107		94-107 Sht 1	1.0	
Facia Panel Card (for 4 zones)	94-108		94-108 Sht 1	1.0	
Key-switch Panel Card (for all zones & LCD)	94-109		94-109 Sht 1	1.0	
MECP Terminal Panel Card	94-110		94-110 Sht 1	1.0	
Amplifier's Terminal panel Card (for 8 amplifier racks)	94-111		94-111 Sht 1	1.0	
Speaker Lines Junction Panel (96 way)	94-112		94-112 Sht 1	1.0	
MECP Junction Panel (72 way)	94-113		94-113 Sht 1	1.0	
Local Audio Card	94-114		94-114 Sht 1	1.0	
Main Processor Card	94-115		94-115 Shts 1 - 3	1.0	
Visual Alarm Adaptor	94-116		94-116 Sht 1	1.0	
Interface Box 48 way FIP Junction panel	94-118		94-118 Sht 1	1.0	
Maintenance Control Panel	94-119		94-119	1.0	

# Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1235</b>	28-Apr-1999	Number 12	Issue date 1-May-2018	30-Apr-2019
				Page 4 of 4

Module description	PCB number	iss	Tech. drawing number	Rev.	Reference
			Sht 1		
WIP Phone Card	94-120		94-120 Sht 1	1.0	
Tone Generator Card (on Main Processor Card Extension)	94-121		94-121 Sht 1	1.0	
Mascot 8921 Power Supply Battery Charger					
P8100 Mains Surge Protector					

Eproms:	
Local Microprocessor Card of Amplifier Rack - U5	Ver. 23.0
Local Microprocessor of Interface Box - U6	Ver. 11.0
Facia Panel Card - U6	Ver. 3.0
Key-switch Panel Card - U22	Ver. 5.0
Main Processor Card - U43 & U44	Ver. 43.0