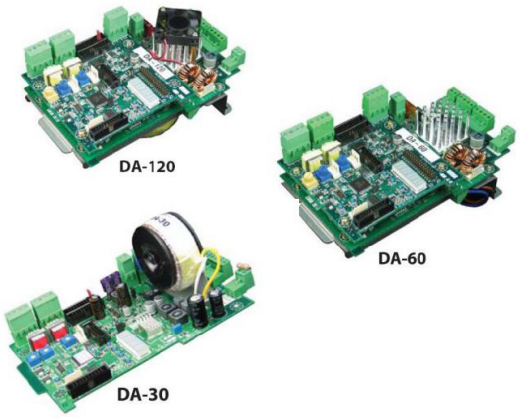
PRODUCT DATA SHEET

30W, 60W & 120W OWS Amplifier Kits

FEATURES



- ✓ 17 pre-installed tones
- ✓ 9 pre-installed speech messages
- ✓ Optional custom message module for 2 custom messages
- ✓ PA microphone (purchased separately)
- ✓ Fault monitoring of the 100V speaker lines
- ✓ 2-wire connection to Fire Panel
- ✓ Background music & PA analog audio inputs
- ✓ Pre-installed test tones for ease of installation
- ✓ High efficiency Class D amplifier
- ✓ Available in 30W, 60W & 120W
- ✓ Monitored strobe/sounder connection
- ✓ Inputs for lock-down, chime, test and false alarm speech messages
- ✓ Ability to synchronise tones & messages with additional OWS Amplifiers

PRODUCT DESCRIPTION

The FireSense OWS-KIT Building Occupant Warning System is designed for use in fire alarm installations that require the addition of an OWS amplifier to meet code requirements.

The OWS-KIT simply fits into the CHS-3L chassis which is used for mounting loop cards or can be mounted to any gear plate. Power needs to be provided from the Fire Panel's 24Vdc battery backed power supply. A power supply upgrade kit is required when installed into a 1600, 2800 and/or 3030 Fire Panel.

An OWS-DISP-MIC-B is also required to provide the Controls, Display & PA MIC and is mounted on a single annunciator plate. This is not required for slave amplifiers. Up to 8 amplifiers can be slaved if required to mimic the master using a common Control, Display & PA Mic. Tones and speech messages can also be synchronized with the Master.

The OWS-KIT comes standard with a comprehensive range of tones and pre installed speech messages and has the option of fitting as OWS-CMM-2 if you need to record a custom message.

The 100V speaker line is monitored for open and short circuits as standard and can be expanded to monitor multiple speaker feeds from one amplifier with the option of fitting an OWS-SDM-4.

30W-KIT SPECIFICATIONS

Operating voltage range	20Vdc to 30Vdc
Output power	30W RMS continuous
Speaker line	100V
Alarm Current at Rated Output[1,2]	1.7A @ 30W RMS using tone 16
Stand-by Current[1]	45mA
EOL resistor	47K

NSW
18-20 Brookhollow Ave
NORWEST 2153
02 8850 2888
sales@firesense.com.au

VIC
Unit 4, 297 Ingles St
PORT MELBOURNE 3207
03 9646 4557
salesvic@firesense.com.au

QLD
Unit 2, 225 Queensport Rd North
MURARRIE 4172
07 3890 8842
salesqld@firesense.com.au

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60W-KIT SPECIFICATIONS

Operating voltage range	20Vdc to 30Vdc
Output power	60W RMS continuous
Speaker line	100V
Alarm Current at Rated Output[1,2]	3.5A @ 60W RMS using tone 16
Stand-by Current[1]	140mA
EOL resistor	47K

120W-KIT SPECIFICATIONS

Operating voltage range	20Vdc to 30Vdc
Output power	120W RMS continuous
Speaker line	100V
Alarm Current at Rated Output[1,2]	7.0A @ 120W RMS using tone 16
Stand-by Current[1]	140mA
EOL resistor	47K

1 System setup with DA-controller, Pre-amplifier, full load and EOL connected across speaker terminals. Background music is disabled.
2 Outputing tone #16 with the rated power output down the speaker line activated via the CIE input.

MESSAGE/CHIME LIST

00	Blank	
01	“Warning, the fire alarm has operated. Stand by for further instructions”	5 seconds - Male Voice
02	“Emergency! Evacuate now!”	3 seconds - Male Voice
03	“Emergency! Evacuate using the nearest fire exit”	4 seconds - Male Voice
04	“Emergency! Evacuate to the nearest assembly point”	4 seconds - Male Voice
05	“Warning, the fire alarm has operated. Stand by for further instructions”	6 seconds - Female Voice
06	“Emergency! Evacuate as directed”	3 seconds - Female Voice
07	“Attention, attention! An emergency exists. Please follow the lock down procedure”	6 seconds - Male Voice
08	“The emergency warning system is being tested”	3 seconds - Male Voice
09	“This has been a false alarm. You may return to your normal activity”	4 seconds - Male Voice
10	School bell sound	3 seconds
11	Custom recording 1 from CMM-2	
12	Custom recording 2 from CMM-2	

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TONES LIST

00	Blank
01	Ramping T3
02	T3 - 520Hz
03	T3 - 800Hz
04	T3 - 970Hz
05	Ramping T3 - Reverse
06	T3 - 2860Hz
07	AS2220 Alert tone *(NOTE: This tone does not support a speech message)*
08	AS2220 Evacuation tone (*NOTE: This tone will play the speech message twice per cycle)*
09	510Hz and 610Hz Alternating
10	800Hz and 970Hz Alternating
11	800Hz to 970Hz Ramping @ 2Hz
12	800Hz to 970Hz Ramping @ 1Hz
13	800Hz to 970Hz Ramping @ 0.5Hz
14	420Hz 0.625s on 0.5s off
15	520Hz continuous tone *(NOTE: This tone does not support a speech message)*
16	970Hz Continuous - Test tone *NOTE: Use this tone to get a constant tone out to measure the line output voltage* *NOTE: This tone does not support a speech message*
17	970Hz 0.5s on 3.5s off *NOTE: This tone can be used during installation to test speaker connection whilst providing a minimum level of disturbance to occupants* *NOTE: This tone does not support a speech message*

ACCESSORIES AVAILABLE

OWS-SDM-4	4 Way Speaker Line Monitoring Card (4 feeds)
OWS-CMM-2	Custom Message Module c/w PC connect audio cable
OWS-DISP	OWS display module - no mic
OWS-DISP-MIC-B	OWS display & microphone Module
OWS-MIC	OWS handheld microphone w/ connector fitted to suit OWS kits
OWS-PA-SELECT	OWS microphone PA selector switch for up to 4 zones
PCB-993	Monitored strobe/sounder driver card

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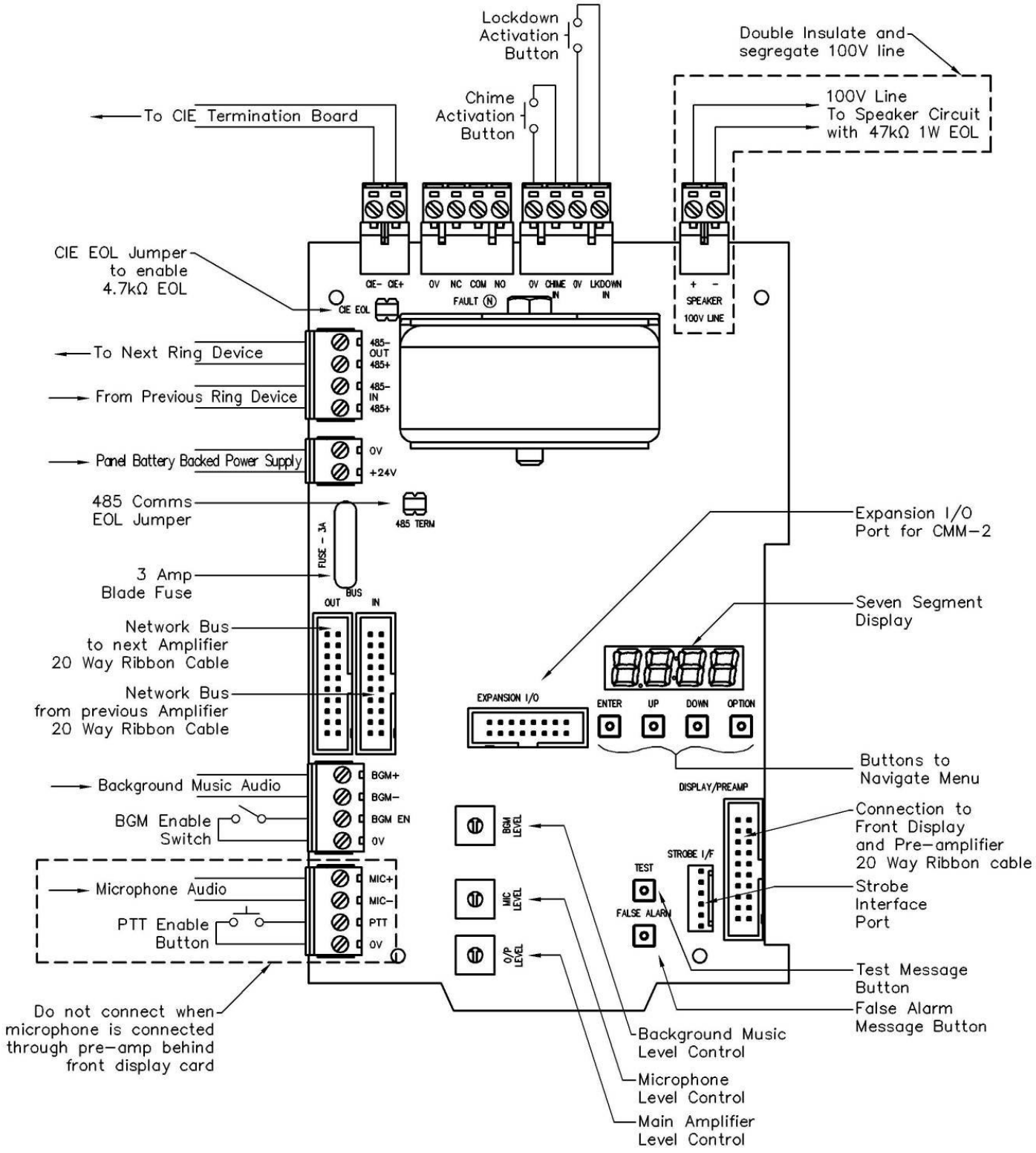
CONNECTION INFORMATION



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