



Warning System Ancillaries - Audio

A comprehensive range of audio ancillaries for Alarm and Occupant Warning and Intercommunication Systems. From microphones to speakers, sounders and bells, all your Warning System requirements are available, ensuring your ability to supply product to meet the needs of your customers.

EA0025/26 'One-Shot' 100V Line Speaker - AS 7240.24



The 'One-Shot' PA speaker and grille is designed to install easily into 10 to 13mm gyprock/plaster/acoustic ceilings. Simply drill the required size hole, terminate the wiring and push the speaker into the ceiling until it snaps into place. They are designed to meet the requirements of AS ISO7240.24, with a cover and 22µF capacitor. The transformer has 5 power taps from 0.33 to 5W and a 4 way wire-protected terminal block.

Technical Specifications

Power Rating	5W
Power Taps	0.33,0.66,1.25,2.5,5W
SPL	90dB 1W @ 1m
Freq. Response	100Hz - 15kHz
Ceiling Cutout	140mm diameter
Mounting Depth	117mm (incl c.tile)
Dimensions (mm)	159 dia. (grille) x 122H
Ambient Temp.	-25°C to +55°C
Weight	700g
ActivFire Listed	afp-3199
Part Numbers	
EA0025	5W Wht (C2170)
EA0026	5W Blk (C2171-not shown)

EA0036/37 'One-Shot' Low Profile 100V Line Speaker - AS 7240.24



The EA0036/37 are low profile versions of the EA0025 one-shot speakers. They have been engineered to meet the requirements of evacuation and occupant warning systems. All components of the fixture are manufactured from high quality, long lasting, flame retardant material and tested to AS ISO7240.24:2015.

Technical Specifications

Power Rating	5W
Power Taps	0.33,0.66,1.25,2.5,5W
SPL	89dB 1W @ 1m
Freq. Response	100Hz - 15kHz
Ceiling Cutout	140mm diameter
Mounting Depth	65mm (incl c.tile)
Dimensions (mm)	159 dia. (grille) x 70H
Ambient Temp.	-25°C to +55°C
Weight	710g
ActivFire Listed	pending
Part Numbers	
EA0036	5W Wht (C2160)
EA0037	5W Blk (C2161-not shown)

EA0034 Ceiling Tile Support Ring



Designed to be installed with the One-Shot ceiling speakers, these ceiling ring supports the ceiling tile to minimise sag and reduce damage to soft tiles. Recommended for use with mineral fibre and acoustic ceiling tiles. With a split ring design for easy installation, this device is suitable for use with 100mm speakers.

Note: When installing the lip must face upwards so that the ring sits flat on top of the ceiling tile.

Part Number	EA0034
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EA0035 Ceiling Speaker Support Pan



Designed to be installed with the One-Shot ceiling speakers, these pans support the ceiling tile to minimise sag and reduce damage to soft tiles. Fits inside the "T-bars" for maximum support for the tile. Recommended for use with mineral fibre and acoustic ceiling tiles.

Note: When installing, the lip must face upwards so that the pan sits flat on top of the ceiling tile.

Part Number	EA0035
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EA0027/28 100V Line 10W Horn Speaker - AS 7240.24



The EA0027/28 range of horn speakers has been engineered to meet the requirements of evacuation and occupant warning systems. The high efficiency speaker and transformer combination ensures high Sound Pressure Level, wide frequency response, superior speech intelligibility and reproduction for fire alarm and evacuation warning systems.

All components of the fixture are manufactured from high quality, long lasting, flame retardant material and tested to AS ISO7240.24:2015.

On-site installation is simple and straight forward with oversized cable glands and terminal blocks. .

Technical Specifications

Power Rating	10W
Power Taps	1.25, 2.5, 5, 7.5, 10W
Sound Press. Level	98dB 1W @ 1m 110dB 10W @ 1m
Freq. Response	250Hz to 10kHz
Dispersion Angle	58° to 127°
Line Monitoring	22µF bipolar cap.
Dims (Dia x L)	180 x 275mm
Weight	0.8kg
Ingress Protection	IP66
ActivFire Listed	afp-3200
Part Numbers	
EA0027	10W Wht (CF2053W)
EA0028	10W Blk (CF2053B-not shown)

*Note: Active Equalisation required for frequency response compliance to AS 7240.24.

EA0029/30 100V Line 100mm Surface Mount 5W Speaker - AS 7240.24



EA0029 is designed to mount directly to the underside of concrete slabs or inaccessible ceilings. The housing is surface mounted

with concealed internal fixings. Speaker cable entry can be either from the rear, or via surface mounted conduit (four 19mm conduit knockouts are provided). The speaker is fitted with a 100V line transformer tapped at 0.33, 0.66, 1.25, 2.5 and 5W and includes 4 way wire protected terminal strip and a 22µF bipolar capacitor for line monitoring. This speaker features 'One-Shot' design, simply snap-fits in seconds to the surface mounting ring, reducing installation time considerably. It is tested to AS 7240.24 and listed as compliant.

Technical Specifications

Power Rating	5W
Power Taps	0.3, 0.6, 1.25, 2.5, 5W
Sound Press. Level	95dB, 5W @ 1m
Freq. Response	100Hz - 15kHz
Dimensions	210 dia. x 67mm
Weight	810g
Operating Temp.	-25°C to +55°C
Relative Humidity	up to 95% (non-cond.)
<i>Indoor Applications</i>	<i>Only</i>
ActivFire Listed	pending
Part Numbers	
EA0029	5W Wht (CF0703)
EA0030	5W Blk (CF0704-not shown)



Step 1:
Secure
Housing to
Mounting
Surface



Step 2:
Terminate
Cable



Step 3:
Fit Speaker
to Housing

EA0031/32 100V Line 200mm Surface Mount 5W Speaker - AS 7240.24



EA0031 is designed to mount directly to the underside of concrete slabs or inaccessible ceilings. The housing is surface mounted with concealed internal fixings. Speaker cable entry can be either from the rear, or via surface mounted conduit (four 19mm conduit knockouts are provided). The speaker is fitted with a 100V line transformer tapped at 0.33, 0.66, 1.25, 2.5 and 5W and includes 4 way wire protected terminal strip and a 22µF bipolar capacitor for line monitoring. This speaker features 'One-Shot' design, simply snap-fits in seconds to the surface mounting ring, reducing installation time considerably. It is tested to AS 7240.24 and listed as compliant.

Technical Specifications

Power Rating	5W
Power Taps	0.3, 0.6, 1.25, 2.5, 5W
Sound Press. Level	101dB, 5W @ 1m
Freq. Response	100Hz - 15kHz
Dimensions	310 dia. x 85mm
Weight	1.36kg
Operating Temp.	-25°C to +55°C
Relative Humidity	up to 95% (non-cond.)
<i>Indoor Applications</i>	<i>Only</i>
ActivFire Listed	afp-3295
Part Numbers	
EA0031	5W Wht (CF0715)
EA0032	5W Blk (CF0716-not shown)

EA0033 100V Line 200mm Surface Mount 15W Speaker - AS 7240.24



EA0033 is designed to mount directly to the underside of concrete slabs or inaccessible ceilings. The housing is surface mounted with concealed internal fixings. Speaker cable entry can be either from the rear, or via surface mounted conduit (four 19mm conduit knockouts are provided). The speaker is fitted with a 100V line transformer tapped at 1.25, 2.5, 5, 10 and 15W and includes 4 way wire protected terminal strip and a 22µF bipolar capacitor for line monitoring. Featuring a 'One-Shot' design, it simply snap-fits in seconds to the surface mounting ring, reducing installation time considerably. It is designed to be AS 7240.24 compliant.

Technical Specifications

Power Rating	5W
Power Taps	1.25, 2.5, 5, 10, 15W
Sound Press. Level	95dB, 1W @ 1m
Freq. Response	80Hz - 12kHz
Dimensions	310 dia. x 85mm
Weight	1.36kg
Operating Temp.	-25°C to +55°C
Relative Humidity	up to 95% (non-cond.)
<i>Indoor Applications</i>	<i>Only</i>
ActivFire Listed	pending
Part Numbers	
EA0033	15W Wht (CF0720)
EA0034	Ceiling tile support ring
EA0035	Ceiling tile support pan

Note: Coming Soon

EA0006/7 - 100V Line Ceiling Recessed Speakers



EA0006 Speaker

Specifications - EA0006

Power Rating	10W rms
Driver Impedance	8 Ohm
Power Taps	0.33,0.5,1,2.5,5W
SPL	92dB 1W @ 1m
Freq. Resp.(@-6dB)	75Hz to 20kHz
Line Voltage	100V
Directivity @ 2kHz	160°
Ceiling Cutout	103mm dia.
Dimensions	100mm dia.

Part Numbers

EA0006	Speaker 100mm
EA0102	Grille (155mm OD)
EA0104	Screw Covers pk 80



Speaker Grille

The Johnson Controls EA0006 and EA0007 speakers feature a tapped line transformer with cover, 5 position terminal strip and line supervisory capacitor. EA0006 is a 100mm diameter cone speaker suitable for concealed mounting in ceilings. EA0007 is a 200mm diameter cone speaker suitable for recessed mounting. Both speakers comply with the electrical safety requirements of AS 60950.



EA0007 Speaker

Specifications - EA0007

Power Rating	10W rms
Driver Impedance	8 Ohm
Power Taps	0.33,0.5,1,2.5,5W
SPL	93dB 1W @ 1m
Freq. Resp.(@-6dB)	50Hz to 20kHz
Line Voltage	100V
Directivity @ 2kHz	140°
Ceiling Cutout	205mm diameter
Dimensions	200mm diameter

Part Numbers

EA0007	Speaker 200mm
EA0101	Grille (250mm OD)
EA0104	Screw Covers pk 80

EA0008 'One Shot' 100V Line Speaker



The 'One Shot' PA speaker and grille is designed to install easily into 10 to 13mm gyprock/plaster/acoustic ceilings. Simply drill the required size hole, terminate the wiring and push the speaker into the ceiling until it snaps into place. They are designed to meet the requirements of AS2220.1, with a transformer cover (not shown in the image) and 22µF capacitor. The transformer has 5 power taps from 0.33 to 5W and a 4 way terminal block.

Technical Specifications

Power Rating	5W
Power Taps	0.33,0.66,1.25,2.5,5W
SPL	93dB 1W @ 1m
Freq. Response	100Hz - 15kHz
Ceiling Cutout	246mm diameter
Mounting Depth	75mm (incl. ceiling tile)
Dimensions (mm)	265 dia. (grille) x 85H
Weight	960g
Part Number	EA0008

C2052 Wurli-Gig™ Horn Speaker Mount



It is no longer necessary to use solid wall fasteners costing around \$2ea (i.e. \$4 per horn). The Wurli-Gig™ is designed to be installed with standard 50mm green wall plugs and 8G self tappers costing only cents. The Wurli-Gig™ can save installation labour by up to 70%, & drastically reduce the money spent on fasteners.

Technical Specifications

Colour	Grey
Material	ABS, UV stabilised
Dimensions (HWD)	120 x 50 x 40 mm
Part Number	C2052

EA0013 - 10W

100V Line Horn Speakers

EA0017 - 30W



The EA0013 ABS horn speaker has a screwdriver adjustable power tap switch and a 22µF bipolar isolation capacitor to permit line monitoring. A 4 core loop through flying lead is provided.

Specifications	EA0013	EA0017
Power Rating	10W	30W
Power Taps (W) ¹	1.25,2.5,5,7.5,10	3.75,7.5,10,15,30
SPL (1W@1m)	104dB	109dB
Freq Resp (Hz)	480 - 10k	330 - 8k
Dispersion Angle	110°	130°
Dimensions (Dia x L)	180 x 255	238 x 287 mm
Ingress Protection	IP66	IP66
Ambient Temp (°C)	-30 to +70	-20 to +55
Material	ABS	ABS
Part Numbers	EA0013	EA0017

1. Power taps in bold for EA0017 only



This ABS speaker features screw terminal connections. Power taps are selected by a rotary switch.

EA0016 100V Line 20W Horn Speaker



The EA0016 plastic horn speaker is designed primarily for distributed paging systems. It has clear speech reproduction to ensure intelligibility of announcements. Power taps are adjustable to suit the power rating of the amplifier or the area to be covered. The speakers are fitted with a 22µF bipolar capacitor for line monitoring and a 4 core flying lead for loop-in and loop-out connections. The speaker has nickel-chromium plated mild steel hardware, making it ideal for aquatic centre installations.

Technical Specifications

Power Rating	20W
Power Taps	5, 7.5, 10, 15, 20W
Sound Press.Level	108dB 1W @ 1m 121dB 20W @ 1m
Freq. Response	275Hz to 10kHz
Dispersion Angle	70°
Dims (Dia x L)	212 x 285mm
Ingress Protection	IP66
Part Number	EA0016

Paging Console



FP0539 Paging Console

There are two styles of PA Paging Console, a PC based interface and a desktop 30 zone unit. Both are designed to complement the QE90 Evacuation System. The desktop Paging Console connects to the QE90 via a 6 wire link. Multiple Paging Consoles may be "daisy chained" around a



FP0902 PC Paging Console interface

building complex, or located side by side to allow control of more than 30 zones. Each zone has an individual LED indicator to show its status and an area for labelling to suit customer requirements. The PC Paging Console comprises of Windows software and an interface unit from PC to QE90. It can support 480 QE90 zones and 10 groups of zones.

Note: Where a PC forms part of an evacuation system - ie, using the PC Paging Console, a UPS should be used.

Technical Specifications

Power Consumption

- No zones selected <50mA
- All zones selected <150mA

Output Voltage 300 to 700mV RMS

Microphone Voltage 1 to 100mV

Frequency Response

100 to 10kHz ±3dB

Distortion 10mV input, <2%

Dimensions (HWD) 80x410x210mm

Weight 4kg

Part Numbers

FP0539	Paging Console
FP0902	Paging Console I/F for PC
SU0168/169	Microphones

(Microphones ordered separately).

FP0938 Warden Intercom Point Phone



Designed specifically for use in Emergency Warning Systems, Warden Intercom Point (WIP) phones are used to communicate between floor wardens and the master Emergency Evacuation Panel.

When the handset is lifted, the WIP phone automatically rings the Emergency Evacuation Panel.

When the Panel calls the WIP, the call tone sounds through the speaker in the body of the phone. When the handset is lifted, it automatically switches from the speaker in the body to the speaker in the handset. Compatible with Vigilant QE90 Emergency Intercommunication System.

Technical Specifications

AC Impedance 600 Ohms (off-hook)

Call Tone > 80dB 1W/1m

Ambient Temp -10°C to +50°C

Terminations Screw, suit 1.5mm² max

Material Red impact resist. ABS

Dimensions (HWD) 215x70x70mm

Part Number FP0938

FP1135 Isolation Amplifier



The FP1135 Isolation Amplifier connects to an existing 100V speaker line and reproduces this signal at up to 60W load on a separate supervised 100V line. It is suitable for use with speech, music and warning tones. The 100V output line from the amplifier is electrically isolated from the input 100V line, thus separating noise or other signals on the input line from the output. The Isolation Amplifier requires a nominal supply of 27Vdc.

Technical Specifications

Supply Voltage 19.6V to 28.8Vdc

Quiescent Current 170mA¹

Active Current 3.0A (60W @ 27Vdc)

Input Signal 100V rms @ 1W max.

Output Voltage 100V rms

Output Power 60W rms² / 25W³

Dimensions (HWD) 240x295x80 mm

Part Number FP1135

1. No speech or background music
2. Tones
3. Speech/music

GX93 Mini Horn Sounder



The GX93 is ideal for applications where a dependable alarm signal is required in hotels, dormitories, apartments, and other installations. The unit is shipped with J1 inserted for an ISO8201 T3 tone pattern. Remove J1 for continuous horn signal. The GX93 is intended for indoor installation only. This appliance is not weather-proofed for outdoor applications.

Technical Specifications

Operating Voltage	8 to 33Vdc
Rated Current	22mA @ 24Vdc
Sound Press. Level	77 to 85dB @ 3m
Tone (selectable)	T3 or Continuous
Operating Temp	0 to +49°C
Dims (HWD) mm	122x53x19 (114x72x13)
Part Numbers	GX93R (GX93W)

HS-15EEXIINT



EX II 3 G
Certified by/Certification code/Number:
NEMKO / Ex nA II T6 / IECENEM11.0024

100V Line Ex Rated Speakers

Specifications	HS-15EEXIINT	HP-20EEXIINT
Line Voltage	100V	100V
Power Rating	15 W	20 W
Taps	0.8,2,4,5,7,5,15	1.5,2,5,6,10,20
SPL 1W/1m	107 dB	110 dB
SPL @ rated power	118 dB	122dB
Effect. freq. range(Hz)	370-7000	310-8000
Dispersion -6dB 1&4kHz	150° / 40°	115° / 30°
Material	Alum.	Polyamide
Weight	2.8 kg	2.3 kg
IP-rating	IP67	IP67
Ambient Temp (°C)	-50 to +50	-50 to +50
Dimensions (Dia x L)	163 x 247	237 x 286 mm
Part Numbers	HS-15EEXIIN(T)	HP-20EEXIIN(T)

HP-20EEXIINT



EX II GD Zone 22
Certified by/Certification code/No:
NEMKO / Ex de IIB+H2 T4 / IECENEM81218

Handheld Dynamic Microphone



This handheld dynamic microphone is fitted with a press-to-talk button. It is suitable for plugging into T-Gen and QE90 to provide emergency PA and recording of digitised speech message. It has a 4 way plug.

Part Numbers

ME0213	Mic, DIN plug to suit QE90, ECP9002
ME0290	Mic, flat plug to suit T-GEN, QE90, ECP9702

BELL01 200mm Bell



Technical Specifications

Operating Voltage	24Vdc
Rated Current	60mA @ 24V
Sound Output	95dBA @ 1m
Operating Temp	-10 to +50°C
Colour	Red
Weight	1420g
Part Number	BELL01

SIM-Mk2 Speaker Isolation Module



To prevent PA loudspeakers in a secure area from being used as microphones, the Speaker Isolation Module SIM-Mk2 is installed within the secure area between an incoming 100V speaker circuit and the speakers to be secured.

Technical Specifications

Supply Voltage	18V to 28Vdc
Quiescent Current	35mA
Active Current	70mA (max.)
Input Signal	100V Line Input
Output Voltage	100V
Operating Temp	0°C to +50°C
Dimensions (HW)	90.5x76.5 mm
Part Number	SIM-MK2-V

SU0168 Gooseneck Microphone



The SU0168 Gooseneck Paging Microphone is a dynamic microphone with a cardioid polar pattern. This elegant gooseneck microphone features smooth, brilliant sound with excellent ambient noise control and feedback rejection. Its screw base is suitable for mounting on equipment or permanent desk mounting. Supplied with mounting kit for FP0539 Paging Console. It can be used with FP0902.

Technical Specifications

Polar Pattern	Cardioid (unidirectional)
Output Impedance	600 Ohm (bal. @ 1kHz)
Rated Sensitivity	-80dB (1kHz, 0dB=1 V/Pa)
Freq. Response	150Hz-12kHz
Part Number	SU0168

SU0169 Desktop Microphone



The SU0169 Paging microphone is a desktop dynamic microphone with a cardioid polar pattern. It features a short-off press to talk switch with an open-off type extra switch. It has low handling noise and a 600 ohm balanced output impedance. The SU0169 is finished in a grey ABS body with a zinc plated wire mesh head. Compatible with FP0539 and FP0902 Paging Consoles.

Technical Specifications

Polar Pattern	Cardioid (unidirectional)
Output Impedance	600 Ohm (bal. @ 1kHz)
Rated Sensitivity	-58dB (1kHz, 0dB=1 V/Pa)
Freq. Response	100 Hz to 10kHz
Cable	2 core shielded +2 core
Cable Length	2.5m
Termination	5 pin DIN plug
Dimensions (HWD)	215 x 100 x 150mm
Part Number	SU0169

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VIGILANT, a respected regional brand of Johnson Controls, is a technology leader in the Australian and New Zealand fire detection markets with AS and NZS product approvals. The VIGILANT product line includes a comprehensive range of MX TECHNOLOGY fire detection products and the market-leading QE90 voice evacuation systems. VIGILANT product is widely supported throughout Australia and New Zealand by a network of installation companies, service companies and distributors.

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