



# speaker assemblies

# Speaker Assemblies - Accessories

## Speakers - Speaker Assemblies - Transformers - Accessories

### Wide Range Dual Cone



**SP570 with 25/70V Transformer**

#### Wide Range Dual Cone Speaker

##### SP500 - 8" Dual Cone Speaker Only

**Power Handling:** 10 Watt RMS  
**Music Power Max.:** 15 Watt  
**Frequency Response:** 50 - 18 KHz  
**Sensitivity:** 96 db at 1 W - 1 Meter  
**Speaker Type:** 8" (200 mm) Dual Cone  
**Magnet:** 5.4 Oz (153 g) Ceramic  
**Flux Density:** 9,600 Gauss  
**Impedance:** 8 ohm  
**Net Weight Each:** 1.2 Lbs (0.6 Kg)  
**Standard Packaging:** 12 Pcs per Carton

##### SP570 - Speaker with 25/70 V Transf.

*Speaker assembly. 8" Wide Range, Dual Cone Speaker with pre-mounted 5 Watt, 25 Volt and 70 Volt Line Transformer.*

**Same as SP500** Transformer Mounted  
**Power Taps:**  
 25 Volt 5-2.5-1.25-0.625 Watt  
 70 Volt 5-2.5-1.25-0.625 Watt  
**Net Weight Each:** 1.7 Lbs (0.8 Kg)  
**Standard Packaging:** 12 Pcs per Carton  
**Gross Carton Weight:** 24.2 Lbs (11 Kg)

### Wide Range High Efficiency



**SP1070 with 25/70V Transformer**

#### Wide Range Dual Cone Speaker

##### SP1000 - 8" Dual Cone Speaker Only

**Power Handling:** 15 Watt RMS  
**Music Power Max.:** 25 Watt  
**Frequency Response:** 50 - 18 KHz  
**Sensitivity:** 97 db at 1 W - 1 Meter  
**Speaker Type:** 8" (200 mm) Dual Cone  
**Magnet:** 10 Oz (285 g) Ceramic  
**Flux Density:** 10,700 Gauss  
**Impedance:** 8 ohm  
**Net Weight Each:** 1.7 Lbs (0.8 Kg)  
**Standard Packaging:** 12 Pcs per Carton

##### SP1070 - Speaker with 25/70 V Transf.

*Speaker assembly. 8" Wide Range, Dual Cone Speaker with pre-mounted 5 Watt, 25 Volt and 70 Volt Line Transformer.*

**Same as SP1000** Transformer Mounted  
**Power Taps:**  
 25 Volt 5-2.5-1.25-0.625 Watt  
 70 Volt 5-2.5-1.25-0.625 Watt  
**Net Weight Each:** 2.2 Lbs (1.0 Kg)  
**Standard Packaging:** 12 Pcs per Carton  
**Gross Carton Weight:** 29.7 Lbs (13.5 Kg)

### Full Range Coaxial



**SP810CXT with 25/70V Transformer**

#### 2 Way Coaxial Speaker

##### SP810CX - 8" Coaxial, Speaker Only

**Power Handling:** 20 Watt RMS  
**Music Power Max. :** 30 Watt  
**Frequency Response:** 40 - 20 KHz  
**Sensitivity:** 98 db at 1 W - 1 Meter  
**Speaker Type:** 8" (200 mm) Coaxial  
**Tweeter:** Polypropylene  
**Magnet:** 10 Oz (285 g) Ceramic  
**Flux Density:** 10,700 Gauss  
**Impedance:** 8 ohm  
**Net Weight Each:** 2.5 Lbs (1.3 Kg)  
**Standard Packaging:** 12 Pcs per Carton

##### SP810CXT - Spkr with 25/70 V Transf.

*Speaker assembly. 8" Full Range, Coaxial Speaker with pre-mounted 10 Watt, 25 Volt and 70 Volt Line Transformer.*

**Same as SP810CX** Transformer Mounted  
**Power Taps:**  
 25 Volt 10-5-2.5-1.25 Watt  
 70 Volt 10-5-2.5-1.25 Watt  
**Net Weight Each:** 2.8 Lbs (1.3 Kg)  
**Standard Packaging:** 12 Pcs per Carton  
**Gross Carton Weight:** 34.75 Lbs (15.8 Kg)

### Line Transformer T2570/10 - 10 Watt, 25/70V



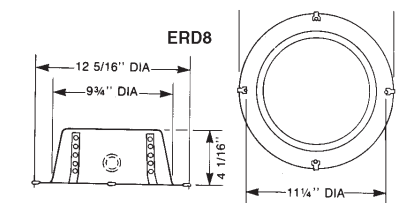
*Wide response for background/foreground music applications. Low insertion loss. High quality. Colored Wire Pigtail.*

**Power Handling:** 10 Watt  
**Line Voltage:** 25 Volt and 70.7 Volt  
**Power Taps:**  
 25 Volt: 10 - 5 - 2.5 - 1.25 W  
 70 Volt: 10 - 5 - 2.5 - 1.25 W  
**Secondary Impedance:** 8 ohm  
**Termination:** Stripped Wire Pigtail  
**Insertion Loss:** 1.0 db

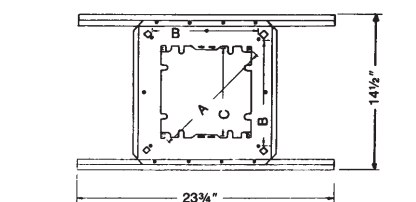
### Ceiling Speaker Back Box ERD8 - Closed Steel Enclosure



*Ceiling loudspeaker back box. Heavy-gauge steel construction. Complete with mounting straps and J-nuts for attaching Ceiling Baffles. Knockouts for armored cable mount. Integral Polymer damper.*



### Ceiling Speaker Tile Bridge SSB3 - Tile Bridge Assembly



*Ceiling loudspeaker tile bridge. Permits mounting of ceiling speaker over suspended ceiling frame. Prevents sagging of tile by supporting speaker weight over frame.*

**Mounting Dimensions**  
**A** - 4 J-nuts #8-32 on 11 1/4" Diameter bolt circle  
**B** - Provision for 4 J-nuts #8-32 on 10" X 10" square  
**C** - 4 torsion spring slots at 8 3/4" spacing



# speakers - baffles

Speakers - Baffles - Accessories

## Ceiling Speaker Assemblies - Wall Baffles - Accessories

### Wide Range Dual Cone



UL 94 VO

#### C15TABS with 25/70V Transformer

**Wide Range Dual Cone Speaker C15TABS** - 8" Dual Cone Speaker with 25/70 Volt Transformer and ABS Baffle  
**Model Supplied w/ White ABS Baffle**

*Recessed mount Ceiling Speaker assembly. 8" Wide Range, Dual Cone Speaker with or without Line Transformer. White ABS Baffle. Supplied with mounting hardware.*

**Assembly Model No.:** C15TABS  
**Power Handling:** 10 Watt RMS  
**Music Power Max.:** 15 Watt  
**Frequency Response:** 50 - 18 Khz  
**Sensitivity:** 96 db at 1 W - 1 Meter  
**Speaker Model:** SP570  
**Speaker Type:** 8" (200 mm) Dual Cone  
**Magnet:** 5.4 Oz (153 g) Ceramic  
**Flux Density:** 9,600 Gauss  
**Line Transformer:** 5 Watt - 25/70 Volt  
**Power Taps:** 5-2.5-1.25 Watt  
**Dimensions:** 13" (330 mm) Diameter  
 3.5" (89 mm) Deep  
**Net Weight:** 2.4 Lbs (1.1 Kg)  
**Baffle Finish:** White  
**Baffle Material:** ABS  
**Standard Packaging:** Individually Boxed  
**Master Carton:** 12 Pcs per Carton

### Wide Range High Efficiency



UL 94 VO

#### C16TABS with 25/70V Transformer

**Wide Range Dual Cone Speaker C16TABS** - 8" Dual Cone Speaker with 25/70 Volt Transformer and ABS Baffle  
**Model Supplied w/ White ABS Baffle**

*Recessed mount Ceiling Speaker assembly. 8" Wide Range, Dual Cone Speaker with or without Line Transformer. White ABS Baffle. Supplied with mounting hardware.*

**Assembly Model No.:** C16TABS  
**Power Handling:** 15 Watt RMS  
**Music Power Max.:** 25 Watt  
**Frequency Response:** 50 - 18 Khz  
**Sensitivity:** 97 db at 1 W - 1 Meter  
**Speaker Model:** SP1070  
**Speaker Type:** 8" (200 mm) Dual Cone  
**Magnet:** 10 Oz (285 g) Ceramic  
**Flux Density:** 10,700 Gauss  
**Line Transformer:** 5 Watt - 25/70 Volt  
**Power Taps:** 5-2.5-1.25 Watt  
**Dimensions:** 13" (330 mm) Diameter  
 3.5" (89 mm) Deep  
**Net Weight:** 3 Lbs (1.5 Kg)  
**Baffle Finish:** White  
**Baffle Material:** ABS  
**Standard Packaging:** Individually Boxed  
**Master Carton:** 12 Pcs per Carton

### Full Range Coaxial



UL 94 VO

#### C20CXT with 25/70V Transformer

**Full Range Coaxial Speaker C20CXT** - 8" Coaxial Speaker with 25/70 Volt Transformer and ABS Baffle  
**Model Supplied w/ White ABS Baffle**

*Recessed mount Ceiling Speaker assembly. 8" Full Range, 2 Way Coaxial Speaker with Tweeter and with or without Line Transformer. White ABS Baffle. Supplied with mounting hardware.*

**Assembly Model No.:** C20CXT  
**Power Handling:** 20 Watt RMS  
**Music Power Max.:** 30 Watt  
**Frequency Response:** 40 - 20 Khz  
**Sensitivity:** 98 db at 1 W - 1 Meter  
**Speaker Model:** SP810CXT  
**Speaker Type:** 8" (200 mm) Dual Cone  
**Tweeter:** Polypropylene  
**Magnet:** 10 Oz (285 g) Ceramic  
**Flux Density:** 10,700 Gauss  
**Line Transformer:** 10 Watt - 25/70 Volt  
**Power Taps:** 10-5-2.5-1.25 Watt  
**Dimensions:** 13" (330 mm) Diameter  
 3.5" (89 mm) Deep  
**Net Weight:** 4 Lbs (1.8 Kg)  
**Baffle Finish:** White  
**Baffle Material:** ABS  
**Standard Packaging:** Individually Boxed  
**Master Carton:** 12 Pcs per Carton

### ABS Ceiling Baffle Only



#### ABS Ceiling Baffle

**C14ABS** - White ABS Baffle for 8" Speaker

*Recessed mount Ceiling Speaker White ABS Baffle for standard 8" speaker. Supplied with mounting hardware.*

Diameter: 13" (330 mm) - 1/2" (13 mm) Deep - Net Weight: 10 Oz (0.5 Kg) - Finish: White - Material: Molded ABS - Four Studs are provided for speaker mounting - Accommodates standard 8" Speaker

### Wide Range - Wall Mount Tapered Speaker



- C21/T** - With 25/70V Transformer
- C21** - With 8" Speaker Only
- C21B** - Baffle Only, No Speaker

*Wall mount tapered speaker with dual cone 8" (200 mm) speaker. Tapered front. Wide range for background music and paging. With wall bracket.*

**Power Handling:** 10 Watt RMS  
**Music Power Max.:** 15 Watt  
**Frequency Response:** 50 - 18 Khz  
**Speaker Type:** 8" (200 mm) Dual Cone  
**Magnet:** 5 Oz (142 g) Ceramic  
**Power Taps:** 4-2-1-0.5-0.25 Watt  
**Dimensions:** 10" X 11" X 6 1/2"  
 254 X 280 X 165 mm  
**Net Weight:** 4 Lbs (1.9 Kg)  
**Finish:** Walnut Laminate, Black Grille  
**Standard Packaging:** Individually Boxed  
**Master Carton:** 4 Pcs per Carton



# reflex speaker

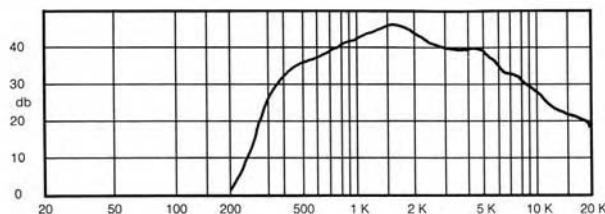
## Power Megaphone - Paging and Talk Back Speakers

### Surface or Flange-Mounting Reflex Loudspeakers

Paging and talk back reflex speakers for low to medium power output levels in paging, emergency alarm, protective signalling, intercom systems, public address and mobile applications both indoor or outdoor. The speakers employ a new high compression driver system that provides high efficiency, peak-free response and superior sound penetration and range. The wide-angle design of the rectangle type further improves the acoustic efficiency by concentrating more power where it is needed. High impact molded construction is virtually immune to extremes in weather conditions, deterioration and abuse. The exclusive dual swivel support of the model TR30/T permits continuous horizontal and vertical orientation of the speaker. Superior sound penetration. Rugged construction. Weatherproof.



TR30T



Frequency in Hertz

#### 30 Watt, General Purpose, Rectangle Speaker with 25V-70V-100V Transformer and Swivel Mounting Support

A rectangular double reentrant paging and talk-back speaker engineered for paging, public address, indoor or outdoor emergency alarm, protective signalling and intercom system applications. It is primarily recommended for use in indoor or outdoor areas where maximum speech intelligibility and sound coverage are required. It incorporates a high efficiency driver with a new high compression acoustic coupling system, a heavier narrow gap magnetic structure and a precision self-aligning driver unit assembly. Efficiency and effective sound coverage have been greatly improved for even better intelligibility and voice penetration. High impact ABS construction with die-cast driver and transformer housing. Built-in 25 Volt, 70 Volt and 100 Volt line transformer with rotary power tap selector. Armored cable adapter is optional.

#### ACCESSORIES

**ACB30** - Armored Cable Bracket. Attaches on to Speaker Input Terminals Housing.

#### SPECIFICATIONS

<b>Power Handling:</b>	30 Watts continuous
<b>Frequency Response:</b>	275 to 14,000Hz (nominal)
<b>Power Taps 100 Volt:</b>	30, 15, 7.7, 4.0 Watt
<b>Power Taps 70 Volt:</b>	30, 15, 7.5, 3.7, 1.8 Watt
<b>Power Taps 25 Volt:</b>	15, 7.5, 3.7, 1.8 Watt
<b>Power Taps Selector:</b>	Rotary Screwdriver adjustable
<b>Talk Back Impedance:</b>	45 ohm (Tap No. 7)
<b>Dispersion Angle:</b>	120° Hor., 60° Ver.
<b>Sensitivity (SPL):</b>	125 db at 30 watt (peak) 120 db at 30 Watt at 1 meter 106 db at 1 meter, 1 Watt
<b>Sensitivity as Microphone:</b>	-23 dbm
<b>Horn Material:</b>	High Impact ABS
<b>Driver Housing Material:</b>	Zinc Die-Cast
<b>Terminals:</b>	Screw Type with cover
<b>Dimensions:</b>	11"W 6¾"H 12¾"D 280 X 172 X 324 mm
<b>Color Finish:</b>	Beige
<b>Net Weight:</b>	5.5 lbs (2.5 Kg)

### MEGAVOICE® - Power Megaphone

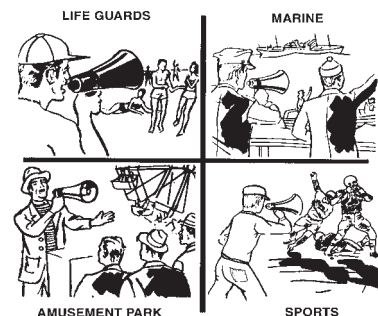


The Paso TA25W is a ruggedly constructed, Power Megaphone. The powerful amplifier utilizes a reflex horn speaker to provide a narrow sound dispersion with greater power concentration, sound penetration and effective range. It may be used for indoors applications or outdoors in any weather. The reduced dimensions of the Megaphone permit greater mobility and freedom of movement. Virtually indestructible, the non-corrosive, shockproof construction will withstand the abuse encountered in portable use. A hand carrying strap is provided. Operates on eight size C batteries. Alkaline batteries recommended. Batteries not included.

#### 25 Watt Power Megaphone with Signal Alarm, 800 Yard Range TA25W

<b>Power Output:</b>	25 Watt
<b>Microphone:</b>	Unidirectional Dynamic
<b>Speaker System:</b>	Reflex Horn
<b>Signal Alarm:</b>	Whistle Tone
<b>Controls:</b>	Volume, Hand-grip On-Off Switch, Signal Alarm Switch
<b>Supply:</b>	8 Size C Batteries
<b>Battery Life:</b>	Approx.. 15 Hours Alkaline Batt.
<b>Carrying Strap:</b>	Furnished
<b>Color Finish:</b>	White Bell with Navy Blue Body
<b>Dimensions:</b>	Bell 9" (23 cm), 15" (38 cm) L.
<b>Net Weight:</b>	3.5 Lbs (1.6 Kg) less batteries
<b>Shipping Weight:</b>	Carton 1: 5 Lbs (2.3 Kg)
<b>Dimensions: Carton:</b>	1: 17"X10"X10" (44X26X26 cm)
<b>Carton Volume: Carton:</b>	1: 0.99³ Ft. (0.028³ m)

- RUGGED HIGH-IMPACT CONSTRUCTION
- UNIDIRECTIONAL DYNAMIC MICROPHONE
- BUILT-IN SIGNAL ALARM
- HIGH EFFICIENCY REFLEX SPEAKER SYSTEM
- OPERATES WITH SELF-CONTAINED BATTERIES
- COMPLETE WITH CARRYING STRAP







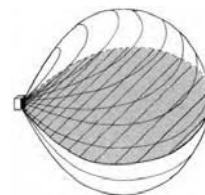
# full range speakers

## WATERPROOF Speaker System - 40 Watt, 2-Way Full Range 25V and 70V Transformer for Music and Paging

A waterproof speaker system created specifically for background or foreground music systems and paging. The watertight design allows extended use indoors in environments experiencing high humidity or the presence of moisture such as Ice Skating Rinks, Sporting Arenas, Indoor Pools, Kitchens, Manufacturing Facilities, etc. or outdoors, the speaker can be used literally everywhere, on walls, poles, roofs, ground, etc.. The wide frequency response and the acoustically balanced enclosure provide superb music reproduction and high efficiency. It is highly recommended for Patio Speaker applications as an outdoor speaker for Restaurants, Gardens, Around Pools, Shopping Malls, Marinas, etc. This ruggedly constructed, fully damped speaker utilizes a heavy-duty, fiberglass, acoustic suspension transducer and a hard polymer dome tweeter for long life and constant performance with time. Ergonomically engineered, the C55DMST can be rapidly mounted on ceiling, wall or shelf, etc. with the mounting bracket provided or can be used in arrays. Dynamically styled the enclosure is finished in designer gray with a black metal mesh speaker grille. Supplied with an adjustable sliding mounting bracket and vandal resistant hardware. Built-in 25 - 70 Volt Line Transformer.

Waterproof Full Range Speaker Systems

### Sound Radiation Pattern



C55DMSTW - White Finish

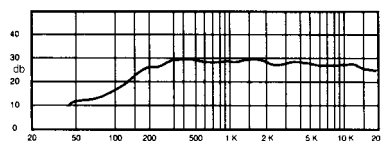
C55DMSTB - Black Finish

UL94VO

### Specifications

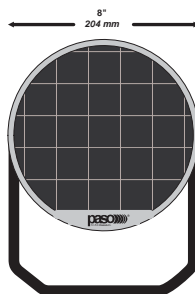
<b>Power Output:</b>	40 Watt RMS long term
<b>Continuous Program:</b>	80 Watt Music
<b>Frequency Response:</b>	80 - 22,000 Hz
<b>Applications:</b>	Waterproof Outdoor use, long term Music Reproduction and Paging
<b>Line Transformer:</b>	Integral, Wide Frequency Response
<b>Power Taps:</b>	
25 Volt	40 - 10 - 5 - 2.5 - 1.2 - 0.7 Watt
70 Volt	40 - 20 - 10 - 5 - 2.5 Watt
<b>Dispersion Angle:</b>	70°
<b>Sound Pressure Level:</b>	110 db Anechoic Environment <b>4' on axis at rated output</b> 95 db 1 Watt/1 Meter on axis
<b>Transducer Size:</b>	6" Heavy Duty
Type:	High Efficiency, Fiberglass with Polyester Urethane Cone Surround
<b>Tweeter:</b>	1" Neodymium Magnet Hard Polymer Dome
<b>Housing Material:</b>	ABS - meets UL 94 VO
<b>Speaker Grille:</b>	High Impact Stainless Steel
<b>Termination:</b>	Multicolor Wire Pigtail
<b>Mounting:</b>	Adjustable Bracket Supplied
<b>Hardware:</b>	Stainless Steel Vandal Resistant
<b>Dimensions:</b>	8" W., 8½" D. (204 X 216 mm)
<b>Net Weight:</b>	6 Lb. (2.75 Kg)

### Frequency in Hertz

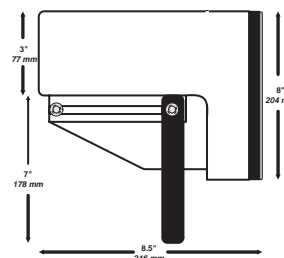


Frequency in Hertz

### Dimensional Drawings



Front View



Side View

- Waterproof for Outdoor Applications
- Foreground/Background Music Systems
- High Quality Music Reproduction
- Sound Reinforcement Systems
- Environmental Music Systems
- High Efficiency Music or Paging
- Can be Used Outdoors Indefinitely
- 2-Way Air Suspension, Wide Range System
- Rugged Fiberglass Transducer with Tweeter
- Dual Gasket Watertight Construction

- High Impact Stainless Steel Grille Protector
- Built-in 25V-70V Multi-Tap Line Transformer
- Single Cable Multi-Wire Tap Selector
- Controlled Sound Radiation Pattern
- Adjustable Mounting Bracket Supplied
- Vandal Resistant Stainless Steel Hardware
- Neodymium Magnet Hard Polymer Dome Tweeter
- Wide Frequency Response Transformer
- Available In White or Black Color Finish
- Rugged ABS UL 94VO Enclosure